



査読付き論文

(2022年4月～2026年3月)

1. Baba, Shunsuke; Imanishi, Masatoshi; Izumi, Takuma; Kawamuro, Taiki; Nguyen, Dieu D.; Nakagawa, Takao; Isobe, Naoki; Onishi, Shusuke; Matsumoto, Kosei. "The Extremely Buried Nucleus of IRAS 17208-0014 Observed at Submillimeter and Near-infrared Wavelengths", 2022, *The Astrophysical Journal*, **Volume 928**, Issue 2, id.184, 20 pp.
2. Yamamoto, H.; Okamoto, R.; Murata, Y.; Nakanishi, H.; Imai, H.; Kurahara, K. "Physical properties of the molecular cloud, N4, in SS 433; Evidence for an interaction of molecular cloud with the jet from SS 433", 2022, *Publications of the Astronomical Society of Japan*, **Volume 74**, Issue 3, pp.493-509
3. Kohno, Mikito; Omodaka, Toshihiro; Handa, Toshihiro; Chibueze, James O.; Nagayama, Takumi; Burns, Ross A.; Murase, Takeru; Matsusaka, Ren; Nakano, Makoto; Sunada, Kazuyoshi; Yamada, Rin I.; Bieging, John H. "Ammonia mapping observations toward the Galactic massive star-forming region Sh 2-255 and Sh 2-257", 2022, *Publications of the Astronomical Society of Japan*, **Volume 74**, Issue 3, pp.545-556
4. Scicluna, P.; Kemper, F.; McDonald, I.; Srinivasan, S.; Trejo, A.; Wallström, S. H. J.; Wouterloot, J. G. A.; Cami, J.; Greaves, J.; He, Jinhua; Hoai, D. T.; Kim, Hyosun; Jones, O. C.; Shinnaga, H.; Clark, C. J. R.; Dharmawardena, T.; Holland, W.; Imai, H.; van Loon, J. Th.; Menten, K. M.; Wesson, R.; Chawner, H.; Feng, S.; Goldman, S.; Liu, F. C.; MacIsaac, H.; Tang, J.; Zeegers, S.; Amada, K.; Antoniou, V.; Bemis, A.; Boyer, M. L.; Chapman, S.; Chen, X.; Cho, S. -H.; Cui, L.; Dell'Agli, F.; Friberg, P.; Fukaya, S.; Gomez, H.; Gong, Y.; Hadjara, M.; Haswell, C.; Hirano, N.; Hony, S.; Izumiura, H.; Jeste, M.; Jiang, X.; Kaminski, T.; Keaveney, N.; Kim, J.; Kraemer, K. E.; Kuan, Y. -J.; Lagadec, E.; Lee, C. F.; Li, D.; Liu, S. -Y.; Liu, T.; de Looze, I.; Lykou, F.; Maraston, C.; Marshall, J. P.; Matsuura, M.; Min, C.; Otsuka, M.; Oyadomari, M.; Parsons, H.; Patel, N. A.; Peeters, E.; Pham, T. A.; Qiu, J.; Randall, S.; Rau, G.; Redman, M. P.; Richards, A. M. S.; Serjeant, S.; Shi, C.; Sloan, G. C.; Smith, M. W. L.; Suh, K. -W.; Toalá, J. A.; Uttenthaler, S.; Ventura, P.; Wang, B.; Yamamura, I.; Yang, T.; Yun, Y.; Zhang, F.; Zhang, Y.; Zhao, G.; Zhu, M.; Zijlstra, A. A.; "The Nearby Evolved Stars Survey II: Constructing a volume-limited sample and first results from the James Clerk Maxwell Telescope", 2022, *Monthly Notices of the Royal Astronomical Society*, **Volume 512**, Issue 1, pp.1091-1110
5. Fanciullo, Lapo; Kemper, Francisca; Pattle, Kate; Koch, Patrick M.; Sadavoy, Sarah; Coudé, Simon; Soam, Archana; Hoang, Thiem; Onaka, Takashi; Le Gouellec, Valentin J. M.; Arzoumanian, Doris; Berry, David; Eswaraiyah, Chakali; Chung, Eun Jung; Furuya, Ray; Hull, Charles L. H.; Hwang, Jihye; Johnstone, Douglas; Kang, Ji-hyun; Kim, Kyoung Hee; Kirchschrager, Florian; Könyves, Vera; Kwon, Jungmi; Kwon, Woojin; Lai, Shih-Ping; Lee, Chang Won; Liu, Tie; Lyo, A. -Ran; Stephens, Ian; Tamura, Motohide; Tang, Xindi; Ward-Thompson, Derek; Whitworth, Anthony; Shinnaga, Hiroko; "The JCMT BISTRO Survey: multiwavelength polarimetry of bright regions in NGC 2071 in the far-infrared/submillimetre range, with POL-2 and HAWC+", 2022, *Monthly Notices of the Royal Astronomical Society*, **Volume 512**, Issue 2, pp.1985-2002
6. Dawson, J. R.; Jones, P. A.; Purcell, C.; Walsh, A. J.; Breen, S. L.; Brown, C.; Carretti, E.; Cunningham, M. R.; Dickey, J. M.; Ellingsen, S. P.; Gibson, S. J.; Gómez, J. F.; Green, J. A.; Imai, H.; Krishnan, V.; Lo, N.; Lowe, V.; Marquarding, M.; McClure-Griffiths, N. M. "SPLASH: the Southern Parkes Large-Area Survey in Hydroxyl - data description and release", 2022, *Monthly Notices of the Royal Astronomical Society*, **Volume 512**, Issue 3, pp.3345-3364
7. 柳田 浩嗣, 仲谷 幸浩, 八木原 寛, 平野 舟一郎, 小林 励司, 山下 裕亮, 松島 健, 清水 洋, 内田 和也, 馬越 孝道, 八木 光晴, 森井 康宏, 中東 和夫, 篠原 雅尚 "2015 年 11 月に沖縄トラフ北部で発生した地震 (M7.1) の余震活動と背弧リフティング", 2022, 地震第 2 輯, 2022, **75** 巻, pp.29-41
8. Arghajit Jana, Claudio Ricci, Sachindra Naik, Atsushi Tanimoto, Neeraj Kumari, Hsiang-Kuang Chang, Prantik Nandi, Arka Chatterjee, and Samar Safi-Harb "Absorption variability of the highly obscured active galactic nucleus NGC 4507", 2022, *Monthly Notices of*

the Royal Astronomical Society, **Volume 512**, Issue 4, pp.5942-5959

9. Baan, W. A.; An, T.; Henkel, C.; Imai, H.; Kostenko, V.; Sobolev, A. "H₂O MegaMaser emission in NGC 4258 indicative of a periodic disc instability" ,2022, *Nature Astronomy, Advanced Online Publication*
10. Kotomi Taniguchi, Kei E. I. Tanaka, Yichen Zhang, Rubén Fedriani, Jonathan C. Tan, Shigehisa Takakuwa, Fumitaka Nakamura, Masao Saito, Liton Majumdar, and Eric Herbst "Vibrationally Excited Lines of HC₃N Associated with the Molecular Disk around the G24.78+0.08 A1 Hypercompact H II Region" ,2022, *The Astrophysical Journal*, **Volume 931**, Issue 2, pp.99-115
11. Satoshi Yoshida, Shunya Asakura, Shuhei Yamanokuchi, and Kenjiro Nishikawa "152.6% Fractional Bandwidth UHF-to-Microwave Band Compact Rectifier Utilizing the Conditions for Flat Frequency Characteristics of RF–DC Conversion Efficiency . " ,2022, *IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS*32, **Volume 32**, Issue 6, pp.595 - 598
12. Atsushi Tanimoto, Yoshihiro Ueda, Hirokazu Odaka, Satoshi Yamada, and Claudio Ricci "NuSTAR Observations of 52 Compton-thick Active Galactic Nuclei Selected by the Swift/Burst Alert Telescope All-sky Hard X-Ray Survey" ,2022, *The Astrophysical Journal Supplement Series*, **Volume 260**, Eid 30
13. Shunya Asakura, Shuhei Yamanokuchi, Satoshi Yoshida, and Kenjiro Nishikawa "Design and Prototyping of a Single-Shunt Rectifier with 71% Fractional Bandwidth Having Acceptable Matching on 10 dBm LSSP" ,2022, *Proc. of 2022 IEEE Wireless Power Transfer Conference (WPTC2022)*, pp.383-387
14. Yotaro Watanabe, Shintaro Miya, Taishi Nara, Satoshi Yoshida, Shigeo Kawasaki, and Kenjiro Nishikawa "Investigation of Transmission Efficiency on Short-range 4x4 MIMO WiCoPT System (finalist for Student Paper Competition) . " ,2022, *Proc. of 2022 IEEE Wireless Power Transfer Conference (WPTC2022)*, 1-4
15. Teruki Yabuta, Satoshi Yoshida, and Kenjiro Nishikawa "Dual-band Wireless Power Transfer System for Simultaneous Wireless Information and Power Transfer System ." ,2022, *Proc. of 2022 IEEE Wireless Power Transfer Conference (WPTC2022)*, 1-3
16. Tokuda, Kazuki; Minami, Taisei; Fukui, Yasuo; Inoue, Tsuyoshi; Nishioka, Takeru; Tsuge, Kisetsu; Zahorecz, Sarolta; Sano, Hidetoshi; Konishi, Ayu; Rosie Chen, C. -H.; Sewiło, Marta; Madden, Suzanne C.; Nayak, Omnarayani; Saigo, Kazuya; Nishimura, Atsushi; Tanaka, Kei E. I.; Sawada, Tsuyoshi; Indebetouw, Remy; Tachihara, Kengo; Kawamura, Akiko; Onishi, Toshikazu "An ALMA Study of the Massive Molecular Clump N159W-North in the Large Magellanic Cloud: A Possible Gas Flow Penetrating One of the Most Massive Protocluster Systems in the Local Group" ,2022, *The Astrophysical Journal*, **Volume 933**, Number 1, id.20, 22 pp
17. Kosei Matsumoto, Takao Nakagawa, Keiichi Wada, Shunsuke Baba ,Shusuke Onishi, Taisei Uzuo, Naoki Isobe, and Yuki Kudoh "Probing Dynamics and Thermal Properties Inside Molecular Tori with CO Rovibrational Absorption Lines" ,2022, *The Astrophysical Journal*, **Volume 934**, Number 1, pp.25-39
18. Yusuke Tsukamoto and Satoshi Okuzumi "Impact of Dust Size Distribution Including Large Dust Grains on Magnetic Resistivity: An Analytical Approach" ,2022, *The Astrophysical Journal*, **Volume 934**, Number 1, pp.88-97
19. Patrick D. Sheehan, John J. Tobin, Zhi-Yun Li, Merel L. R. van't Hoff, Jes K. Jørgensen, Woojin Kwon, Leslie W. Looney, Nagayoshi Ohashi, Shigehisa Takakuwa, Jonathan P. Williams, Yusuke Aso, Sacha Gavino, Itziar de Gregorio-Monsalvo, Ilseung Han, Chang Won Lee, Adele Plunkett, Rajeeb Sharma, Yuri Aikawa, Shih-Ping Lai, Jeong-Eun Lee, Zhe-Yu Daniel Lin, Kazuya Saigo, Kengo Tomida, and Hsi-Wei Yen "A VLA View of the Flared, Asymmetric Disk around the Class 0 Protostar L1527 IRS" ,2022, *The Astrophysical Journal*, **Volume 934**, Number 2, pp.95-204
20. Okoda, Yuki; Oya, Yoko; Imai, Muneaki; Sakai, Nami;

- Watanabe, Yoshimasa; López-Sepulcre, Ana; Saigo, Kazuya; Yamamoto, Satoshi "Chemical Differentiation and Temperature Distribution on a Few au Scale around the Protostellar Source B335" ,2022, *The Astrophysical Journal*, **Volume 935**, Number 2, id.136, 20 pp
21. Naomichi Yutani, Yoshiki Toba, Shunsuke Baba, Keiichi Wada "Origin and evolution of the Dust Obscured Galaxies in Galaxy Mergers with Supermassive Black Holes" ,2022, *The Astrophysical Journal*, **Volume 936**, Number 2, id.118, 12pp.
 22. Kawamuro, Taiki ; Ricci, Claudio ; Imanishi, Masatoshi ; Mushotzky, Richard F. ; Izumi, Takuma ; Ricci, Federica ; Bauer, Franz E. ; Koss, Michael J. ; Trakhtenbrot, Benny ; Ichikawa, Kohei ; Rojas, Alejandra F. ; Smith, Krista Lynne ; Shimizu, Taro ; Oh, Kyuseok ; den Brok, Jakob S. ; Baba, Shunsuke ; Baloković, Mislav ; Chang, Chin-Shin ; Kakkad, Darshan ; Pfeifle, Ryan W. ; Privon, George C. ; Temple, Matthew J. ; Ueda, Yoshihiro ; Harrison, Fiona ; Powell, Meredith C. ; Stern, Daniel ; Urry, Meg ; Sanders, David B. "BASS XXXII: Studying the Nuclear Mm-wave Continuum Emission of AGNs with ALMA at Scales ~ 100 -200 pc" ,2022, *The Astrophysical Journal*, **Volume 938**, Issue 1, id.87, 32 pp.
 23. Cala, Roldán A. ; Gómez, José F. ; Miranda, Luis F. ; Uscanga, Lucero ; Breen, Shari L. ; Dawson, Joanne R. ; de Gregorio-Monsalvo, Itziar ; Imai, Hiroshi ; Qiao, Hai-Hua ; Suárez, Olga "Searching for nascent planetary nebulae: OHPNe candidates in the SPLASH survey" ,2022, *Monthly Notices of the Royal Astronomical Society*, **Volume 516**, Issue 2, pp.2235-2251
 24. Daiki Ogata, Ryosuke Kamiya, Yusuke Toyoshima, Kenichi Ohhata "A High-Time-Resolution Time-to-Digital Converter Using Coupled Ring Oscillator with Phase Averaging " ,2022, *Proc. of IEEE Asian Pacific Conference on Circuits and Systems*
 25. Koki Inaba, Yoshihiro Ueda, Satoshi Yamada, Shoji Ogawa, Ryosuke Uematsu, Atsushi Tanimoto, and Claudio Ricci "Broadband X-Ray Spectral Analysis of the Dual AGN System Mrk 739" ,2022, *The Astrophysical Journal*, **Volume 939**, Issue 2, id.88, 10 pp.
 26. Akiyama, Kazunori ; Algaba, Juan-Carlos ; An, Tao ; Asada, Keiichi ; Asanok, Kitiyanee ; Byun, Do-Young ; Chanapote, Thanapol ; Chen, Wen ; Chen, Zhong ; Cheng, Xiaopeng ; Chibueze, James O. ; Cho, Ilje ; Cho, Se-Hyung ; Chung, Hyun-Soo ; Cui, Lang ; Cui, Yuzhu ; Doi, Akihiro ; Dong, Jian ; Fujisawa, Kenta ; Gou, Wei ; Guo, Wen ; Hada, Kazuhiro ; Hagiwara, Yoshiaki ; Hirota, Tomoya ; Hodgson, Jeffrey A. ; Honma, Mareki ; Imai, Hiroshi ; Jaroenjittichai, Phrudth ; Jiang, Wu ; Jiang, Yongbin ; Jiang, Yongchen ; Jike, Takaaki ; Jung, Dong-Kyu ; Jung, Taehyun ; Kawaguchi, Noriyuki ; Kim, Dong-Jin ; Kim, Hyo-Ryoung ; Kim, Jaeheon ; Kim, Jeong-Sook ; Kim, Kee-Tae ; Kim, Soon-Wook ; Kino, Motoki ; Kobayashi, Hideyuki ; Koyama, Shoko ; Kramer, Busaba H. ; Lee, Jee-Won ; Lee, Jeong Ae ; Lee, Sang-Sung ; Lee, Sang Won ; Li, Bin ; Li, Guanghui ; Li, Xiaofei ; Li, Zhixuan ; Liu, Qinghui ; Liu, Xiang ; Lu, Ru-Sen ; Motogi, Kazuhito ; Nakamura, Masanori ; Niinuma, Kotaro ; Oh, Chungsik ; Oh, Hongjong ; Oh, Junghwan ; Oh, Se-Jin ; Oyama, Tomoaki ; Park, Jongho ; Poshyachinda, Saran ; Ro, Hyunwook ; Roh, Duk-Gyoo ; Rujopakarn, Wiphu ; Sakai, Nobuyuki ; Sawada-Satoh, Satoko ; Shen, Zhi-Qiang ; Shibata, Katsunori M. ; Sohn, Bong Won ; Soonthornthum, Boonrucksar ; Sugiyama, Koichiro ; Sun, Yunxia ; Takamura, Mieko ; Tanabe, Yoshihiro ; Tazaki, Fumie ; Trippe, Sascha ; Wajima, Kiyooki ; Wang, Jinqing ; Wang, Na ; Wang, Shiqiang ; Wang, Xuezheng ; Xia, Bo ; Xu, Shuangjing ; Yan, Hao ; Yang, Wenjun ; Yeom, Jae-Hwan ; Yi, Kunwoo ; Yi, Sang-Oh ; Yonekura, Yoshinori ; Yoon, Hasu ; Yu, Linfeng ; Yuan, Jianping ; Yun, Youngjoo ; Zhang, Bo ; Zhang, Hua ; Zhang, Yingkang ; Zhao, Guang-Yao ; Zhao, Rongbing ; Zhong, Weiye "Overview of the Observing System and Initial Scientific Accomplishments of the East Asian VLBI Network (EAVN)" ,2022, *Galaxies*, **vol. 10**, issue 6, p. 113
 27. Hiroyuki Nakanishi, Masataka Furuhashi, Saeko Nakahara "Pre-integration Digital Spectrometer" ,2022, *Proc. of IEEE Asian Pacific Microwave Conference*
 28. Hwang, Jihye ; Kim, Jongsoo ; Pattle, Kate ; Lee, Chang Won ; Koch, Patrick M. ; Johnstone, Doug ; Tomisaka, Kohji ; Whitworth, Anthony ; Furuya, Ray S. ; Kang, Ji-hyun ; Lyo, A. -Ran ; Chung, Eun Jung ; Arzoumanian, Doris ; Park, Geumsook ; Kwon, Woojin

; Kim, Shinyoung ; Tamura, Motohide ; Kwon, Jungmi ; Soam, Archana ; Han, Ilseung ; Hoang, Thiem ; Kim, Kyoung Hee ; Onaka, Takashi ; Eswaraiah, Chakali ; Ward-Thompson, Derek ; Liu, Hong-Li ; Tang, Xindi ; Chen, Wen Ping ; Matsumura, Masafumi ; Hoang, Thuong Duc ; Chen, Zhiwei ; Le Gouellec, Valentin J. M. ; Kirchschrager, Florian ; Poidevin, Frédérick ; Bastien, Pierre ; Qiu, Keping ; Hasegawa, Tetsuo ; Lai, Shih-Ping ; Byun, Do-Young ; Cho, Jungyeon ; Choi, Minhoo ; Choi, Youngwoo ; Choi, Yunhee ; Jeong, Il-Gyo ; Kang, Miju ; Kim, Hyosung ; Kim, Kee-Tae ; Lee, Jeong-Eun ; Lee, Sang-Sung ; Lee, Yong-Hee ; Lee, Hyeseung ; Kim, Mi-Ryang ; Yoo, Hyunju ; Yun, Hyeong-Sik ; Chen, Mike ; Di Francesco, James ; Fiege, Jason ; Fissel, Laura M. ; Franzmann, Erica ; Houde, Martin ; Lacaille, Kevin ; Matthews, Brenda ; Sadavoy, Sarah ; Moriarty-Schieven, Gerald ; Tahani, Mehrnoosh ; Ching, Tao-Chung ; Dai, Y. Sophia ; Duan, Yan ; Gu, Qilao ; Law, Chi-Yan ; Li, Dalei ; Li, Di ; Li, Guangxing ; Li, Hua-bai ; Liu, Tie ; Lu, Xing ; Qian, Lei ; Wang, Hongchi ; Wu, Jintai ; Xie, Jinjin ; Yuan, Jinghua ; Zhang, Chuan-Peng ; Zhang, Guoyin ; Zhang, Yapeng ; Zhou, Jianjun ; Zhu, Lei ; Berry, David ; Friberg, Per ; Graves, Sarah ; Liu, Junhao ; Mairs, Steve ; Parsons, Harriet ; Rawlings, Mark ; Doi, Yasuo ; Hayashi, Saeko ; Hull, Charles L. H. ; Inoue, Tsuyoshi ; Inutsuka, Shu-ichiro ; Iwasaki, Kazunari ; Kataoka, Akimasa ; Kawabata, Koji ; Kim, Gwanjeong ; Kobayashi, Masato I. N. ; Nagata, Tetsuya ; Nakamura, Fumitaka ; Nakanishi, Hiroyuki ; Pyo, Tae-Soo ; Saito, Hiro ; Seta, Masumichi ; Shimajiri, Yoshito ; Shinnaga, Hiroko ; Tsukamoto, Yusuke ; Zenko, Tetsuya ; Chen, Huei-Ru Vivien ; Duan, Hao-Yuan ; Fanciullo, Lapo ; Kemper, Francisca ; Lee, Chin-Fei ; Lin, Sheng-Jun ; Liu, Sheng-Yuan ; Ohashi, Nagayoshi ; Rao, Ramprasad ; Tang, Ya-Wen ; Wang, Jia-Wei ; Yang, Meng-Zhe ; Yen, Hsi-Wei ; Bourke, Tyler L. ; Chrysostomou, Antonio ; Debattista, Victor ; Eden, David ; Eyres, Stewart ; Falle, Sam ; Fuller, Gary ; Gledhill, Tim ; Greaves, Jane ; Griffin, Matt ; Hatchell, Jennifer ; Karoly, Janik ; Kirk, Jason ; Könyves, Vera ; Longmore, Steven ; van Loo, Sven ; de Looze, Ilse ; Peretto, Nicolas ; Priestley, Felix ; Rawlings, Jonathan ; Retter, Brendan ; Richer, John ; Rigby, Andrew ; Savini, Giorgio ; Scaife, Anna ; Viti, Serena ; Diep, Pham Ngoc ; Ngoc, Nguyen Bich ; Tram, Le Ngoc ; André, Philippe ; Coudé, Simon ; Dowell, C. Darren ; Friesen, Rachel ; Robitaille, Jean-François

"The JCMT BISTRO Survey: A Spiral Magnetic Field in a Hub-filament Structure, Monoceros R2", 2022, *The Astrophysical Journal*, **Volume 941**, Issue 1, id.51, 19 pp.

29. Xu, Shuangjing ; Imai, Hiroshi ; Yun, Youngjoo ; Zhang, Bo ; Rioja, María J. ; Dodson, Richard ; Cho, Se-Hyung ; Kim, Jaeheon ; Cui, Lang ; Sobolev, Andrey M. ; Chibueze, James O. ; Kim, Dong-Jin ; Amada, Kei ; Nakashima, Jun-ichi ; Orosz, Gabor ; Oyadomari, Miyako ; Oh, Sejin ; Yonekura, Yoshinori ; Sun, Yan ; Mai, Xiaofeng ; Zhang, Jingdong ; Wen, Shiming ; Jung, Taehyun "The Astrometric Animation of Water Masers toward the Mira Variable BX Cam", 2022, *The Astrophysical Journal*, **Volume 941**, Issue 2, id.105, 25 pp.
30. Ching, Tao-Chung ; Qiu, Keping ; Li, Di ; Ren, Zhiyuan ; Lai, Shih-Ping ; Berry, David ; Pattle, Kate ; Furuya, Ray ; Ward-Thompson, Derek ; Johnstone, Doug ; Koch, Patrick M. ; Lee, Chang Won ; Hoang, Thiem ; Hasegawa, Tetsuo ; Kwon, Woojin ; Bastien, Pierre ; Eswaraiah, Chakali ; Wang, Jia-Wei ; Kim, Kyoung Hee ; Hwang, Jihye ; Soam, Archana ; Lyo, A. -Ran ; Liu, Junhao ; Le Gouellec, Valentin J. M. ; Arzoumanian, Doris ; Whitworth, Anthony ; Di Francesco, James ; Poidevin, Frédérick ; Liu, Tie ; Coudé, Simon ; Tahani, Mehrnoosh ; Liu, Hong-Li ; Onaka, Takashi ; Li, Dalei ; Tamura, Motohide ; Chen, Zhiwei ; Tang, Xindi ; Kirchschrager, Florian ; Bourke, Tyler L. ; Byun, Do-Young ; Chen, Mike ; Chen, Huei-Ru Vivien ; Chen, Wen Ping ; Cho, Jungyeon ; Choi, Yunhee ; Choi, Youngwoo ; Choi, Minhoo ; Chrysostomou, Antonio ; Chung, Eun Jung ; Dai, Y. Sophia ; Diep, Pham Ngoc ; Doi, Yasuo ; Duan, Yan ; Duan, Hao-Yuan ; Eden, David ; Fanciullo, Lapo ; Fiege, Jason ; Fissel, Laura M. ; Franzmann, Erica ; Friberg, Per ; Friesen, Rachel ; Fuller, Gary ; Gledhill, Tim ; Graves, Sarah ; Greaves, Jane ; Griffin, Matt ; Gu, Qilao ; Han, Ilseung ; Hayashi, Saeko ; Houde, Martin ; Hull, Charles L. H. ; Inoue, Tsuyoshi ; Inutsuka, Shu-ichiro ; Iwasaki, Kazunari ; Jeong, Il-Gyo ; Könyves, Vera ; Kang, Ji-hyun ; Kang, Miju ; Karoly, Janik ; Kataoka, Akimasa ; Kawabata, Koji ; Kemper, Francisca ; Kim, Jongsoo ; Kim, Mi-Ryang ; Kim, Shinyoung ; Kim, Hyosung ; Kim, Kee-Tae ; Kim, Gwanjeong ; Kirk, Jason ; Kobayashi, Masato I. N. ; Kusune, Takayoshi ; Kwon,

- Jungmi ; Lacaille, Kevin ; Law, Chi-Yan ; Lee, Sang-Sung ; Lee, Hyeseung ; Lee, Jeong-Eun ; Lee, Chin-Fei ; Lee, Yong-Hee ; Li, Guangxing ; Li, Hua-bai ; Lin, Sheng-Jun ; Liu, Sheng-Yuan ; Lu, Xing ; Mairs, Steve ; Matsumura, Masafumi ; Matthews, Brenda ; Moriarty-Schieven, Gerald ; Nagata, Tetsuya ; Nakamura, Fumitaka ; Nakanishi, Hiroyuki ; Ngoc, Nguyen Bich ; Ohashi, Nagayoshi ; Park, Geumsook ; Parsons, Harriet ; Peretto, Nicolas ; Priestley, Felix ; Pyo, Tae-Soo ; Qian, Lei ; Rao, Ramprasad ; Rawlings, Mark ; Rawlings, Jonathan ; Retter, Brendan ; Richer, John ; Rigby, Andrew ; Sadavoy, Sarah ; Saito, Hiro ; Savini, Giorgio ; Seta, Masumichi ; Shimajiri, Yoshito ; Shinnaga, Hiroko ; Tang, Ya-Wen ; Tomisaka, Kohji ; Tram, Le Ngoc ; Tsukamoto, Yusuke ; Viti, Serena ; Wang, Hongchi ; Wu, Jintai ; Xie, Jinjin ; Yang, Meng-Zhe ; Yen, Hsi-Wei ; Yoo, Hyunju ; Yuan, Jinghua ; Yun, Hyeong-Sik ; Zenko, Tetsuya ; Zhang, Chuan-Peng ; Zhang, Yapeng ; Zhang, Guoyin ; Zhou, Jianjun ; Zhu, Lei ; de Looze, Ilse ; André, Philippe ; Dowell, C. Darren ; Eyres, Stewart ; Falle, Sam ; Robitaille, Jean-François ; van Loo, Sven "The JCMT BISTRO-2 Survey: Magnetic Fields of the Massive DR21 Filament" ,2022, *The Astrophysical Journal*, **Volume 941**, Issue 2, id.122, 21 pp.
31. Sakemi, Haruka ; Machida, Mami ; Yamamoto, Hiroaki ; Tachihara, Kengo "Molecular clouds at the eastern edge of radio nebula W 50" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 2, pp.338-350
32. Yen, Hsi-Wei ; Koch, Patrick M. ; Lee, Chin-Fei ; Hirano, Naomi ; Ohashi, Nagayoshi ; Sai, Jinshi Insa Choi ; Takakuwa, Shigehisa ; Tang, Ya-Wen ; Tatematsu, Ken'ichi ; Zhao, Bo "Increasing Mass-to-flux Ratio from the Dense Core to the Protostellar Envelope around the Class 0 Protostar HH 211" ,2023, *The Astrophysical Journal*, **Volume 942**, Issue 1, id.32, 20 pp.
33. Tsutsumi, Toshihisa ; Niinuma, Kotaro ; Imai, Hiroshi ; Amari, Ryoko ; Shimizu, Yusuke ; Ogawa, Hideo ; Nishimura, Atsushi ; Miyazawa, Chieko ; Oyama, Tomoaki ; Kaneko, Hiroyuki ; Nakashima, Keisuke ; Sawada-Satoh, Satoko ; Aoki, Takahiro "HINOTORI and Its Perspectives in the Black-Hole Jet Study" ,2023, *Galaxies*, **vol. 11**, issue 1, p. 30
34. Sakai, Nobuyuki ; Zhang, Bo ; Xu, Shuangjing ; Sakai, Daisuke ; Tamura, Yoshiaki ; Jike, Takaaki ; Jung, Taehyun ; Oh, Chungsik ; Kim, Jeong-Sook ; Kawaguchi, Noriyuki ; Imai, Hiroshi ; Jiang, Wu ; Cui, Lang ; Kim, Soon-Wook ; Jiang, Pengfei ; Kurayama, Tomoharu ; Lee, Jeong Ae ; Hachisuka, Kazuya ; Jung, Dong-Kyu ; Xia, Bo ; Li, Guanghui ; Honma, Mareki ; Kim, Kee-Tae ; Shen, Zhi-Qiang ; Wang, Na "East Asian VLBI Network astrometry toward the extreme outer Galaxy: Kinematic distance with the proper motion of G034.84-00.95" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 1, pp.208-224
35. Kohno M., Chibueze J. O., Burns R. A., Omodaka T., Handa T., Murase T., Yamada R. I., Nagayama T., Nakano M., Sunada K., Tachihara K., Fukui Y. "Ammonia mapping observations of the Galactic infrared bubble N49: Three NH3 clumps along the molecular filament" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 2, pp.397-415
36. Chibueze, James O. ; Akamatsu, Hiroki ; Parekh, Viral ; Sakemi, Haruka ; Ohmura, Takumi ; van Rooyen, Ruby ; Akahori, Takuya ; Nakanishi, Hiroyuki ; Machida, Mami ; Takeuchi, Tsutomu T. ; Smirnov, Oleg ; Kleiner, Dane ; Maccagni, Filippo M. "MeerKAT's view of double radio relic galaxy cluster Abell 3376" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue , Supplement_1, pp.S97-S107
37. Yoshiaki Misugi, Shu-ichiro Inutsuka, Doris Arzoumanian "Evolution of the Angular Momentum of Molecular Cloud Cores Formed from Filament Fragmentation" ,2023, *The Astrophysical Journal*, **Volume 943**, id 76, 24pp
38. Tsubasa Tamba, Hirokazu Odaka, Atsushi Tanimoto, Hiromasa Suzuki, Satoshi Takashima, and Aya Bamba "Orbital- and Spin-phase Variability in the X-Ray Emission from the Accreting Pulsar Centaurus X-3" ,2023, *The Astrophysical Journal*, **Volume 944**, Issue 1, id.9, 15 pp.
39. Tahani, Mehrnoosh ; Bastien, Pierre ; Furuya, Ray S. ; Pattle, Kate ; Johnstone, Doug ; Arzoumanian, Doris ; Doi, Yasuo ; Hasegawa, Tetsuo ; Inutsuka, Shu-

ichiro ; Coudé, Simon ; Fissel, Laura ; Chen, Michael Chun-Yuan ; Poidevin, Frédéric ; Sadavoy, Sarah ; Friesen, Rachel ; Koch, Patrick M. ; Di Francesco, James ; Moriarty-Schieven, Gerald H. ; Chen, Zhiwei ; Chung, Eun Jung ; Eswaraiah, Chakali ; Fanciullo, Lapo ; Gledhill, Tim ; Le Gouellec, Valentin J. M. ; Hoang, Thiem ; Hwang, Jihye ; Kang, Ji-hyun ; Kim, Kyoung Hee ; Kirchschrager, Florian ; Kwon, Woojin ; Lee, Chang Won ; Liu, Hong-Li ; Onaka, Takashi ; Rawlings, Mark G. ; Soam, Archana ; Tamura, Motohide ; Tang, Xindi ; Tomisaka, Kohji ; Whitworth, Anthony P. ; Kwon, Jungmi ; Hoang, Thuong D. ; Redman, Matt ; Berry, David ; Ching, Tao-Chung ; Wang, Jia-Wei ; Lai, Shih-Ping ; Qiu, Keping ; Ward-Thompson, Derek ; Houde, Martin ; Byun, Do-Young ; Chen, Huei-Ru Vivien ; Chen, Wen Ping ; Cho, Jungyeon ; Choi, Minhoo ; Choi, Yunhee ; Chrysostomou, Antonio ; Diep, Pham Ngoc ; Duan, Hao-Yuan ; Fiege, Jason ; Franzmann, Erica ; Friberg, Per ; Fuller, Gary ; Graves, Sarah F. ; Greaves, Jane S. ; Griffin, Matt J. ; Gu, Qilao ; Han, Ilseung ; Hatchell, Jennifer ; Hayashi, Saeko S. ; Hull, Charles L. H. ; Inoue, Tsuyoshi ; Iwasaki, Kazunari ; Jeong, Il-Gyo ; Kanamori, Yoshihiro ; Kang, Miju ; Kang, Sung-ju ; Kataoka, Akimasa ; Kawabata, Koji S. ; Kemper, Francisca ; Kim, Gwanjeong ; Kim, Jongsoo ; Kim, Kee-Tae ; Kim, Mi-Ryang ; Kim, Shinyoung ; Kirk, Jason M. ; Kobayashi, Masato I. N. ; Konyves, Vera ; Kusune, Takayoshi ; Lacaille, Kevin ; Law, Chi-Yan ; Lee, Chin-Fei ; Lee, Hyeseung ; Lee, Jeong-Eun ; Lee, Sang-Sung ; Lee, Yong-Hee ; Li, Dalei ; Li, Di ; Li, Hua-bai ; Liu, Junhao ; Liu, Sheng-Yuan ; Liu, Tie ; de Looze, Ilse ; Lyo, A. -Ran ; Mairs, Steve ; Matsumura, Masafumi ; Matthews, Brenda C. ; Nagata, Tetsuya ; Nakamura, Fumitaka ; Nakanishi, Hiroyuki ; Ohashi, Nagayoshi ; Park, Geumsook ; Parsons, Harriet ; Peretto, Nicolas ; Pyo, Tae-Soo ; Qian, Lei ; Rao, Ramprasad ; Retter, Brendan ; Richer, John ; Rigby, Andrew ; Saito, Hiro ; Savini, Giorgio ; Scaife, Anna M. M. ; Seta, Masumichi ; Shimajiri, Yoshito ; Shinnaga, Hiroko ; Tang, Ya-Wen ; Tsukamoto, Yusuke ; Viti, Serena ; Wang, Hongchi ; Yen, Hsi-Wei ; Yoo, Hyunju ; Yuan, Jinghua ; Yun, Hyeong-Sik ; Zenko, Tetsuya ; Zhang, Chuan-Peng ; Zhang, Guoyin ; Zhang, Yapeng ; Zhou, Jianjun ; Zhu, Lei ; André, Philippe ; Dowell, C. Darren ; Eyres, Stewart P. S. ; Falle, Sam ; van Loo, Sven ; Robitaille, Jean-François "JCMT BISTRO Observations: Magnetic Field

Morphology of Bubbles Associated with NGC 6334" ,2023, *The Astrophysical Journal*, **Volume 944**, Issue 2, id.139, 21 pp.

40. Uno, Kohki ;Maeda, Keiichi ;Nagao, Takashi ;Nakaoka, Tatsuya ;Motohara, Kentaro ;Tajitsu, Akito ;Konishi, Masahiro ;Koyama, Shuhei ;Takahashi, Hidenori ;Tanaka, Masaomi ;Kuncarayakti, Hanindyo ;Kawabata, Miho ;Yamanaka, Masayuki ;Aoki, Kentaro ;Isogai, Keisuke ;Taguchi, Kenta ;Ogawa, Mao ;Kawabata, Koji S. ;Yoshii, Yuzuru ;Miyata, Takashi ;Imazawa, Ryo "SN 2020uem: a Possible Thermonuclear Explosion within a Dense Circumstellar Medium. I. The Nature of Type II_n/I_a-CSM SNe from Photometry and Spectroscopy" ,2023, *The Astrophysical Journal*, **Volume 944**, Issue 2, id.203, 17 pp.
41. Uno, Kohki ;Nagao, Takashi ;Maeda, Keiichi ;Kuncarayakti, Hanindyo ;Tanaka, Masaomi ;Kawabata, Koji S. ;Nakaoka, Tatsuya ;Kawabata, Miho ;Yamanaka, Masayuki ;Aoki, Kentaro ;Isogai, Keisuke ;Ogawa, Mao ;Tajitsu, Akito ;Imazawa, Ryo "SN 2020uem: a Possible Thermonuclear Explosion within a Dense Circumstellar Medium (II). The Properties of the CSM from Polarimetry and Light-curve Modeling" ,2023, *The Astrophysical Journal*, **Volume 944**, Issue 2, id.204, 13 pp.
42. Fukaya, Sakiko ;Shinnaga, Hiroko ;Furuya, Ray S. ;Tomisaka, Kohji ;Machida, Masahiro N. ;Harada, Naoto "Twisted magnetic field in star formation processes of L1521 F revealed by submillimeter dual-band polarimetry using the James Clerk Maxwell Telescope" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 1, pp.120-127
43. Takahashi, Sanemichi Z. ;Kokubo, Eiichiro ;Inutsuka, Shu-ichiro "Planetesimal Formation by the Gravitational Instability of Dust Ring Structures" ,2023, *The Astrophysical Journal*, **Volume 945**, Issue 2, id.120, 13 pp.
44. Ward-Thompson, Derek ; Karoly, Janik ; Pattle, Kate ; Whitworth, Anthony ; Kirk, Jason ; Berry, David ; Bastien, Pierre ; Ching, Tao-Chung ; Coudé, Simon ; Hwang, Jihye ; Kwon, Woojin ; Soam, Archana ;

- Wang, Jia-Wei ; Hasegawa, Tetsuo ; Lai, Shih-Ping ; Qiu, Keping ; Arzoumanian, Doris ; Bourke, Tyler L. ; Byun, Do-Young ; Chen, Huei-Ru Vivien ; Chen, Wen Ping ; Chen, Mike ; Chen, Zhiwei ; Cho, Jungyeon ; Choi, Minho ; Choi, Youngwoo ; Choi, Yunhee ; Chrysostomou, Antonio ; Chung, Eun Jung ; Dai, Sophia ; Debattista, Victor ; Di Francesco, James ; Diep, Pham Ngoc ; Doi, Yasuo ; Duan, Hao-Yuan ; Duan, Yan ; Eswaraiah, Chakali ; Fanciullo, Lapo ; Fiege, Jason ; Fissel, Laura M. ; Franzmann, Erica ; Friberg, Per ; Friesen, Rachel ; Fuller, Gary ; Furuya, Ray ; Gledhill, Tim ; Graves, Sarah ; Greaves, Jane ; Griffin, Matt ; Gu, Qilao ; Han, Ilseung ; Hayashi, Saeko ; Hoang, Thiem ; Houde, Martin ; Hull, Charles L. H. ; Inoue, Tsuyoshi ; Inutsuka, Shu-ichiro ; Iwasaki, Kazunari ; Jeong, Il-Gyo ; Johnstone, Doug ; Könyves, Vera ; Kang, Ji-hyun ; Kang, Miju ; Kataoka, Akimasa ; Kawabata, Koji ; Kemper, Francisca ; Kim, Jongsoo ; Kim, Shinyoung ; Kim, Gwanjeong ; Kim, Kyoung Hee ; Kim, Mi-Ryang ; Kim, Kee-Tae ; Kim, Hyosung ; Kirchschrager, Florian ; Kobayashi, Masato I. N. ; Koch, Patrick M. ; Kusune, Takayoshi ; Kwon, Jungmi ; Lacaille, Kevin ; Law, Chi-Yan ; Lee, Chang Won ; Lee, Hyeseung ; Lee, Yong-Hee ; Lee, Chin-Fei ; Lee, Jeong-Eun ; Lee, Sang-Sung ; Li, Dalei ; Li, Di ; Li, Guangxing ; Li, Hua-bai ; Lin, Sheng-Jun ; Liu, Hong-Li ; Liu, Tie ; Liu, Sheng-Yuan ; Liu, Junhao ; Longmore, Steven ; Lu, Xing ; Lyo, A. -Ran ; Mairs, Steve ; Matsumura, Masafumi ; Matthews, Brenda ; Moriarty-Schieven, Gerald ; Nagata, Tetsuya ; Nakamura, Fumitaka ; Nakanishi, Hiroyuki ; Ngoc, Nguyen Bich ; Ohashi, Nagayoshi ; Onaka, Takashi ; Park, Geumsook ; Parsons, Harriet ; Peretto, Nicolas ; Priestley, Felix ; Pyo, Tae-Soo ; Qian, Lei ; Rao, Ramprasad ; Rawlings, Jonathan ; Rawlings, Mark ; Retter, Brendan ; Richer, John ; Rigby, Andrew ; Sadavoy, Sarah ; Saito, Hiro ; Savini, Giorgio ; Seta, Masumichi ; Shimajiri, Yoshito ; Shinnaga, Hiroko ; Tahani, Mehrnoosh ; Tamura, Motohide ; Tang, Ya-Wen ; Tang, Xindi ; Tomisaka, Kohji ; Tram, Le Ngoc ; Tsukamoto, Yusuke ; Viti, Serena ; Wang, Hongchi ; Wu, Jintai ; Xie, Jinjin ; Yang, Meng-Zhe ; Yen, Hsi-Wei ; Yoo, Hyunju ; Yuan, Jinghua ; Yun, Hyeong-Sik ; Zenko, Tetsuya ; Zhang, Guoyin ; Zhang, Yapeng ; Zhang, Chuan-Peng ; Zhou, Jianjun ; Zhu, Lei ; de Looze, Ilse ; André, Philippe ; Dowell, C. Darren ; Eden, David ; Eyres, Stewart ; Falle, Sam ; Le Gouellec, Valentin J. M. ; Poidevin, Frédéric ; Robitaille, Jean-François ; van Loo, Sven "First BISTRO Observations of the Dark Cloud Taurus L1495A-B10: The Role of the Magnetic Field in the Earliest Stages of Low-mass Star Formation", 2023, *The Astrophysical Journal*, **Volume 946**, Issue 2, id.62, 12 pp.
45. Yamada, Satoshi ; Ueda, Yoshihiro ; Herrera-Endoqui, Martin ; Toba, Yoshiki ; Miyaji, Takamitsu ; Ogawa, Shoji ; Uematsu, Ryosuke ; Tanimoto, Atsushi ; Imanishi, Masatoshi ; Ricci, Claudio "Hard X-Ray to Radio Multiwavelength SED Analysis of Local U/LIRGs in the GOALS Sample with a Self-consistent AGN Model including a Polar-dust Component", 2023, *The Astrophysical Journal Supplement Series*, **Volume 265**, Issue 2, id.37, 66 pp.
46. Kitayama, Tetsu ; Ueda, Shutaro ; Okabe, Nobuhiro ; Akahori, Takuya ; Hilton, Matt ; Hughes, John P. ; Ichinohe, Yuto ; Kohno, Kotaro ; Komatsu, Eiichiro ; Lin, Yen-Ting ; Miyatake, Hironao ; Oguri, Masamune ; Sifon, Cristobal ; Takakuwa, Shigehisa ; Takizawa, Motokazu ; Tsutsumi, Takahiro ; van Marrewijk, Joshiwa ; Wollack, Edward J. "Galaxy clusters at z 1 imaged by ALMA with the Sunyaev-Zel'dovich effect", 2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 2, pp.311-337
47. Orihara, Ryuta ; Momose, Munetake ; Muto, Takayuki ; Hashimoto, Jun ; Liu, Haoyu Baobab ; Tsukagoshi, Takashi ; Kudo, Tomoyuki ; Takahashi, Sanemichi ; Yang, Yi ; Hasegawa, Yasuhiro ; Dong, Ruobing ; Konishi, Mihoko ; Akiyama, Eiji "ALMA Band 6 high-resolution observations of the transitional disk around SY Chamaeleontis", 2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 2, pp.424-445
48. Kobayashi, Yudai ; Takaishi, Daisuke ; Tsukamoto, Yusuke "Cosmic ray ionization rate versus dust fraction: Which plays a crucial role in the early evolution of the circumstellar disc?", 2023, *Monthly Notices of the Royal Astronomical Society*, **Volume 521**, Issue 2, pp.2661-2669
49. Uscanga, L. ; Imai, H. ; Gomez, J. F. ; Tafaya, D. ; Orosz, G. ; McCarthy, T. P. ; Hamae, Y. ; Amada, K. "Evolution of

- the Outflow in the Water Fountain Source IRAS 18043-2116", 2023, *The Astrophysical Journal*, **Volume 948**, Issue 1, id.17, 11 pp.
50. Horiuchi, Takashi ;Hanayama, Hidekazu ;Ohishi, Masatoshi ;Nakaoka, Tatsuya ;Imazawa, Ryo ;Kawabata, Koji S. ;Takahashi, Jun ;Onozato, Hiroki ;Saito, Tomoki ;Yamanaka, Masayuki ;Nogami, Daisaku ;Tampo, Yusuke ;Kojiguchi, Naoto ;Ito, Jumpei ;Shibata, Masaaki ;Schramm, Malte ;Oasa, Yumiko ;Kanai, Takahiro ;Oide, Kohei ;Murata, Katsuhiro L. ;Hosokawa, Ryohei ;Takamatsu, Yutaka ;Imai, Yuri ;Ito, Naohiro ;Niwano, Masafumi ;Takagi, Seiko ;Ono, Tatsuharu ;Kouprianov, Vladimir V. "Multicolor and multi-spot observations of Starlink's Visorsat", 2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 3, pp.584-606
 51. Koda, Jin ;Hirota, Akihiko ;Egusa, Fumi ;Sakamoto, Kazushi ;Sawada, Tsuyoshi ;Heyer, Mark ;Baba, Junichi ;Boissier, Samuel ;Calzetti, Daniela ;Meyer, Jennifer Donovan ;Elmegreen, Bruce G. ;de Paz, Armando Gil ;Harada, Nanase ;Ho, Luis C. ;Kobayashi, Masato I. N. ;Kuno, Nario ;Lee, Amanda M. ;Madore, Barry F. ;Maeda, Fumiya ;Martin, Sergio ;Muraoka, Kazuyuki ;Nakanishi, Kouichiro ;Onodera, Sachiko ;Pineda, Jorge L. ;Scoville, Nick ;Watanabe, Yoshimasa "Diverse Molecular Structures across the Whole Star-forming Disk of M83: High-fidelity Imaging at 40 pc Resolution", 2023, *The Astrophysical Journal*, **Volume 949**, Issue 2, id.108, 25pp.
 52. Kudoh, Yuki ; Wada, Keiichi ; Kawakatu, Nozomu ; Nomura, Mariko "Multiphase Gas Nature in the Sub-parsec Region of the Active Galactic Nuclei. I. Dynamical Structures of Dusty and Dust-free Outflow", 2023, *The Astrophysical Journal*, **Volume 950**, Issue 1, id.72, 10 pp.
 53. Imanishi, Masatoshi ; Baba, Shunsuke ; Nakanishi, Kouichiro ; Izumi, Takuma "Dense Molecular Gas Properties of the Central Kiloparsec of Nearby Ultraluminous Infrared Galaxies Constrained by ALMA Three Transition-line Observations", 2023, *The Astrophysical Journal*, **Volume 950**, Issue 1, id.75, 28 pp.
 54. Ding, Xuheng ; Onoue, Masafusa ; Silverman, John D. ; Matsuoka, Yoshiki ; Izumi, Takuma ; Strauss, Michael A. ; Jahnke, Knud ; Phillips, Camryn L. ; Li, Junyao ; Volonteri, Marta ; Haiman, Zoltan ; Taufik Andika, Irham ; Aoki, Kentaro ; Baba, Shunsuke ; Bieri, Rebekka ; Bosman, Sarah E. I. ; Bottrell, Connor ; Eilers, Anna-Christina ; Fujimoto, Seiji ; Habouzit, Melanie ; Imanishi, Masatoshi ; Inayoshi, Kohei ; Iwasawa, Kazushi ; Kashikawa, Nobunari ; Kawaguchi, Toshihiro ; Kohno, Kotaro ; Lee, Chien-Hsiu ; Lupi, Alessandro ; Lyu, Jianwei ; Nagao, Tohru ; Overzier, Roderik ; Schindler, Jan-Torge ; Schramm, Malte ; Shimasaku, Kazuhiro ; Toba, Yoshiki ; Trakhtenbrot, Benny ; Trebitsch, Maxime ; Treu, Tommaso ; Umehata, Hideki ; Venemans, Bram P. ; Vestergaard, Marianne ; Walter, Fabian ; Wang, Feige ; Yang, Jinyi "Detection of stellar light from quasar host galaxies at redshifts above 6", 2023, *Nature*, **Volume 621**, Issue 7977, p.51-55
 55. Taniguchi, Kotomi ; Majumdar, Liton ; Caselli, Paola ; Takakuwa, Shigehisa ; Hsieh, Tien-Hao ; Saito, Masao ; Li, Zhi-Yun ; Dobashi, Kazuhito ; Shimoikura, Tomomi ; Nakamura, Fumitaka ; Tan, Jonathan C. ; Herbst, Eric "Chemical Differentiation around Five Massive Protostars Revealed by ALMA: Carbon-chain Species and Oxygen/Nitrogen-bearing Complex Organic Molecules", 2023, *The Astrophysical Journal Supplement Series*, **Volume 267**, Issue 1, id.4, 27 pp.
 56. Murase, Takeru ; Handa, Toshihiro ; Matsusaka, Ren ; Shimajiri, Yoshito ; Kobayashi, Masato I. N. ; Kohno, Mikito ; Nishi, Junya ; Takeba, Norimi ; Shibata, Yosuke "Multilognormal density structure in Cygnus-X molecular clouds: a fitting for N-PDF without power law", 2023, *Monthly Notices of the Royal Astronomical Society*, **Volume 523**, Issue 1, pp.1373-1387
 57. Tsukamoto, Yusuke ; Machida, Masahiro N. ; Inutsuka, Shu-ichiro "Co-evolution of dust grains and protoplanetary disks", 2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 5, pp.835-852
 58. Yamanaka, Masayuki ; Fujii, Mitsugu ; Nagayama, Takahiro "Bright Type II supernova 2023ixf in M 101: A quick analysis of the early-stage spectra and

- near-infrared light curves" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 5, pp.L27-L31
59. Ohmura, Takumi ;Asano, Katsuaki ;Nishiwaki, Kosuke ;Machida, Mami ;Sakemi, Haruka "Nonthermal Emissions from a Head-Tail Radio Galaxy in 3D Magnetohydrodynamic Simulations" ,2023, *The Astrophysical Journal*, **Volume 951**, Issue 1, id.76, 12 pp.
 60. Yamato, Yoshihide ;Aikawa, Yuri ;Ohashi, Nagayoshi ;Tobin, John J. ;Jorgensen, Jes K. ;Takakuwa, Shigehisa ;Aso, Yusuke ;Sai, Jinshi (Insa Choi) ;Flores, Christian ;de Gregorio-Monsalvo, Itziar ;Hirano, Shingo ;Han, Ilseung ;Kido, Miyu ;Koch, Patrick M. ;Kwon, Woojin ;Lai, Shih-Ping ;Lee, Chang Won ;Lee, Jeong-Eun ;Li, Zhi-Yun ;Lin, Zhe-Yu Daniel ;Looney, Leslie W. ;Mori, Shoji ;Narayanan, Suchitra ;Phuong, Nguyen Thi ;Saigo, Kazuya ;Santamaria-Miranda, Alejandro ;Sharma, Rajeeb ;Thieme, Travis J. ;Tomida, Kengo ;van't Hoff, Merel L. R. ;Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). IV. The Ringed and Warped Structure of the Disk around the Class I Protostar L1489 IRS" ,2023, *The Astrophysical Journal*, **Volume 951**, Issue 1, id.11, 20 pp.
 61. Ohashi, Nagayoshi ;Tobin, John J. ;Jorgensen, Jes K. ;Takakuwa, Shigehisa ;Sheehan, Patrick ;Aikawa, Yuri ;Li, Zhi-Yun ;Looney, Leslie W. ;Williams, Jonathan P. ;Aso, Yusuke ;Sharma, Rajeeb ;Sai, Jinshi (Insa Choi) ;Yamato, Yoshihide ;Lee, Jeong-Eun ;Tomida, Kengo ;Yen, Hsi-Wei ;Encalada, Frankie J. ;Flores, Christian ;Gavino, Sacha ;Kido, Miyu ;Han, Ilseung ;Lin, Zhe-Yu Daniel ;Narayanan, Suchitra ;Phuong, Nguyen Thi ;Santamaria-Miranda, Alejandro ;Thieme, Travis J. ;van't Hoff, Merel L. R. ;de Gregorio-Monsalvo, Itziar ;Koch, Patrick M. ;Kwon, Woojin ;Lai, Shih-Ping ;Lee, Chang Won ;Plunkett, Adele ;Saigo, Kazuya ;Hirano, Shingo ;Lam, Ka Ho ;Mori, Shoji "Early Planet Formation in Embedded Disks (eDisk). I. Overview of the Program and First Results" ,2023, *The Astrophysical Journal*, **Volume 951**, Issue 1, id.8, 26 pp.
 62. Lin, Zhe-Yu Daniel ;Li, Zhi-Yun ;Tobin, John J. ;Ohashi, Nagayoshi ;Jorgensen, Jes Kristian ;Looney, Leslie W. ;Aso, Yusuke ;Takakuwa, Shigehisa ;Aikawa, Yuri ;van't Hoff, Merel L. R. ;de Gregorio-Monsalvo, Itziar ;Encalada, Frankie J. ;Flores, Christian ;Gavino, Sacha ;Han, Ilseung ;Kido, Miyu ;Koch, Patrick M. ;Kwon, Woojin ;Lai, Shih-Ping ;Lee, Chang Won ;Lee, Jeong-Eun ;Phuong, Nguyen Thi ;Sai, Jinshi (Insa Choi) ;Sharma, Rajeeb ;Sheehan, Patrick ;Thieme, Travis J. ;Williams, Jonathan P. ;Yamato, Yoshihide ;Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). II. Limited Dust Settling and Prominent Snow Surfaces in the Edge-on Class I Disk IRAS 04302+2247" ,2023, *The Astrophysical Journal*, **Volume 951**, Issue 1, id.9, 26 pp.
 63. van't Hoff, Merel L. R. ;Tobin, John J. ;Li, Zhi-Yun ;Ohashi, Nagayoshi ;Jorgensen, Jes K. ;Lin, Zhe-Yu Daniel ;Aikawa, Yuri ;Aso, Yusuke ;de Gregorio-Monsalvo, Itziar ;Gavino, Sacha ;Han, Ilseung ;Koch, Patrick M. ;Kwon, Woojin ;Lee, Chang Won ;Lee, Jeong-Eun ;Looney, Leslie W. ;Narayanan, Suchitra ;Plunkett, Adele ;Sai, Jinshi (Insa Choi) ;Santamaria-Miranda, Alejandro ;Sharma, Rajeeb ;Sheehan, Patrick D. ;Takakuwa, Shigehisa ;Thieme, Travis J. ;Williams, Jonathan P. ;Lai, Shih-Ping ;Phuong, Nguyen Thi ;Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). III. A First High-resolution View of Submillimeter Continuum and Molecular Line Emission toward the Class 0 Protostar L1527 IRS" ,2023, *The Astrophysical Journal*, **Volume 951**, Issue 1, id.10, 29 pp.
 64. Ohyama, Youichi ;Onishi, Shusuke ;Nakagawa, Takao ;Matsumoto, Kosei ;Isobe, Naoki ;Shirahata, Mai ;Baba, Shunsuke ;Sakamoto, Kazushi "Warm Molecular Gas in the Central Parsecs of the Buried Nucleus of NGC 4418 Traced with the Fundamental CO Rovibrational Absorptions" ,2023, *The Astrophysical Journal*, **Volume 951**, Issue 2, id.87, 12 pp.
 65. Karoly, Janik ;Ward-Thompson, Derek ;Pattle, Kate ;Berry, David ;Whitworth, Anthony ;Kirk, Jason ;Bastien, Pierre ;Ching, Tao-Chung ;Coude, Simon ;Hwang, Jihye ;Kwon, Woojin ;Soam, Archana ;Wang, Jia-Wei ;Hasegawa, Tetsuo ;Lai, Shih-Ping ;Qiu, Keping ;Arzoumanian, Doris ;Bourke, Tyler L. ;Byun, Do-Young ;Chen, Huei-Ru Vivien ;Chen, Wen Ping ;Chen, Mike ;Chen, Zhiwei ;Cho, Jungyeon ;Choi, Minho ;Choi,

Youngwoo ;Choi, Yunhee ;Chrysostomou, Antonio ;Chung, Eun Jung ;Dai, Sophia ;Debattista, Victor ;Di Francesco, James ;Diep, Pham Ngoc ;Doi, Yasuo ;Duan, Hao-Yuan ;Duan, Yan ;Eswaraiah, Chakali ;Fanciullo, Lapo ;Fiege, Jason ;Fissel, Laura M. ;Franzmann, Erica ;Friberg, Per ;Friesen, Rachel ;Fuller, Gary ;Furuya, Ray ;Gledhill, Tim ;Graves, Sarah ;Greaves, Jane ;Griffin, Matt ;Gu, Qilao ;Han, Ilseung ;Hoang, Thiem ;Houde, Martin ;Hull, Charles L. H. ;Inoue, Tsuyoshi ;Inutsuka, Shu-ichiro ;Iwasaki, Kazunari ;Jeong, Il-Gyo ;Johnstone, Doug ;Konyves, Vera ;Kang, Ji-hyun ;Kang, Miju ;Kataoka, Akimasa ;Kawabata, Koji ;Kemper, Francisca ;Kim, Jongsoo ;Kim, Shinyoung ;Kim, Gwanjeong ;Kim, Kyoung Hee ;Kim, Mi-Ryang ;Kim, Kee-Tae ;Kim, Hyosung ;Kirchschlager, Florian ;Kobayashi, Masato I. N. ;Koch, Patrick M. ;Kusune, Takayoshi ;Kwon, Jungmi ;Lacaille, Kevin ;Law, Chi-Yan ;Lee, Chang Won ;Lee, Hyeseung ;Lee, Yong-Hee ;Lee, Chin-Fei ;Lee, Jeong-Eun ;Lee, Sang-Sung ;Li, Dalei ;Li, Di ;Li, Guangxing ;Li, Hua-bai ;Lin, Sheng-Jun ;Liu, Hong-Li ;Liu, Tie ;Liu, Sheng-Yuan ;Liu, Junhao ;Longmore, Steven ;Lu, Xing ;Lyo, A. -Ran ;Mairs, Steve ;Matsumura, Masafumi ;Matthews, Brenda ;Moriarty-Schieven, Gerald ;Nagata, Tetsuya ;Nakamura, Fumitaka ;Nakanishi, Hiroyuki ;Ngoc, Nguyen Bich ;Ohashi, Nagayoshi ;Onaka, Takashi ;Park, Geumsook ;Parsons, Harriet ;Peretto, Nicolas ;Priestley, Felix ;Pyo, Tae-Soo ;Qian, Lei ;Rao, Ramprasad ;Rawlings, Jonathan ;Rawlings, Mark ;Retter, Brendan ;Richer, John ;Rigby, Andrew ;Sadavoy, Sarah ;Saito, Hiro ;Savini, Giorgio ;Seta, Masumichi ;Sharma, Ekta ;Shimajiri, Yoshito ;Shinnaga, Hiroko ;Tahani, Mehrnoosh ;Tamura, Motohide ;Tang, Ya-Wen ;Tang, Xindi ;Tomisaka, Kohji ;Tram, Le Ngoc ;Tsukamoto, Yusuke ;Viti, Serena ;Wang, Hongchi ;Wu, Jintai ;Xie, Jinjin ;Yang, Meng-Zhe ;Yen, Hsi-Wei ;Yoo, Hyunju ;Yuan, Jinghua ;Yun, Hyeong-Sik ;Zenko, Tetsuya ;Zhang, uoyin ;Zhang, Yapeng ;Zhang, Chuan-Peng ;Zhou, Jianjun ;Zhu, Lei ;de Looze, Ilse ;Andre, Philippe ;Dowell, C. Darren ;Eden, David ;Eyles, Stewart ;Falle, Sam ;Le Gouellec, Valentin J. M. ;Poidevin, Frederick ;Robitaille, Jean-Francois ;van Loo, Sven "The JCMT BISTRO Survey: Studying the Complex Magnetic Field of L43" ,2023, *The Astrophysical Journal*, **Volume 952**, Issue 1, id.29, 18 pp.

66. Isobe, Naoki ; Nagai, Hiroshi ; Kino, Motoki ; Baba,

Shunsuke ; Nakagawa, Takao ; Sunada, Yuji ; Tashiro, Makoto "ALMA ACA Detection of Submillimeter Emission Associated with the Western Hot Spot of the Radio Galaxy Pictor A" ,2023, *The Astrophysical Journal*, **Volume 953**, Issue 1, id.76, 7 pp.

67. Tominaga, Ryosuke T. ; Inutsuka, Shu-ichiro ; Takahashi, Sanemichi Z. "On Secular Gravitational Instability in Vertically Stratified Disks" ,2023, *The Astrophysical Journal*, **Volume 953**, Issue 1, id.60, 18 pp.

68. Muraoka, Kazuyuki ;Konishi, Ayu ;Tokuda, Kazuki ;Kondo, Hiroshi ;Miura, Rie E. ;Tosaki, Tomoka ;Onodera, Sachiko ;Kuno, Nario ;Kobayashi, Masato I. N. ;Tsuge, Kisetu ;Sano, Hidetoshi ;Kitano, Naoya ;Fujita, Shinji ;Nishimura, Atsushi ;Onishi, Toshikazu ;Saigo, Kazuya ;Yamada, Rin I. ;Demachi, Fumika ;Tachihara, Kengo ;Fukui, Yasuo ;Kawamura, Akiko ;AAS Journals Data Editors "ACA CO(J = 2-1) Mapping of the Nearest Spiral Galaxy M33. I. Initial Results and Identification of Molecular Clouds" ,2023, *The Astrophysical Journal*, **Volume 953**, Issue 2, id.164, 16 pp.

69. Kido, Miyu ;Takakuwa, Shigehisa ;Saigo, Kazuya ;Ohashi, Nagayoshi ;Tobin, John J. ;Jorgensen, Jes K. ;Aikawa, Yuri ;Aso, Yusuke ;Encalada, Frankie J. ;Flores, Christian ;Gavino, Sacha ;de Gregorio-Monsalvo, Itziar ;Han, Ilseung ;Hirano, Shingo ;Koch, Patrick M. ;Kwon, Woojin ;Lai, Shih-Ping ;Lee, Chang Won ;Lee, Jeong-Eun ;Li, Zhi-Yun ;Lin, Zhe-Yu Daniel ;Looney, Leslie W. ;Mori, Shoji ;Narayanan, Suchitra ;Plunkett, Adele L. ;Phuong, Nguyen Thi ;(Insa Choi), Jinshi Sai ;Santamaria-Miranda, Alejandro ;Sharma, Rajeeb ;Sheehan, Patrick D. ;Thieme, Travis J. ;Tomida, Kengo ;van't Hoff, Merel L. R. ;Williams, Jonathan P. ;Yamato, Yoshihide ;Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). VII. Keplerian Disk, Disk Substructure, and Accretion Streamers in the Class 0 Protostar IRAS 16544-1604 in CB 68" ,2023, *The Astrophysical Journal*, **Volume 953**, Issue 2, id.190, 22 pp.

70. Fujimoto, Yusuke ; Inutsuka, Shu-ichiro ; Baba, Junichi "Efficient radial migration by giant molecular clouds in the first several hundred Myr after the stellar birth" ,2023, *Monthly Notices of the Royal Astronomical Society*,

Volume 523, Issue 2, pp.3049-3068

71. Tomaru, Ryota ;Done, Chris ;Odaka, Hirokazu ;Tanimoto, Atsushi "A different view of wind in X-ray binaries: the accretion disc corona source 2S 0921-630" ,2023, *Monthly Notices of the Royal Astronomical Society*, **Volume 523**, Issue3, pp.3441-3449
72. Aso, Yusuke ;Kwon, Woojin ;Ohashi, Nagayoshi ;Jorgensen, Jes K. ;Tobin, John J. ;Aikawa, Yuri ;de Gregorio-Monsalvo, Itziar ;Han, Ilseung ;Kido, Miyu ;Koch, Patrick M. ;Lai, Shih-Ping ;Lee, Chang Won ;Lee, Jeong-Eun ;Li, Zhi-Yun ;Lin, Zhe-Yu Daniel ;Looney, Leslie W. ;Narayanan, Suchitra ;Phuong, Nguyen Thi ;Sai, Jinshi (Insa Choi) ;Saigo, Kazuya ;Santamaria-Miranda, Alejandro ;Sharma, Rajeeb ;Takakuwa, Shigehisa ;Thieme, Travis J. ;Tomida, Kengo ;Williams, Jonathan P. ;Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). VI. Kinematic Structures around the Very-low-mass Protostar IRAS 16253-2429" ,2023, *The Astrophysical Journal*, **Volume 954**, Issue 1, id.101, 17 pp.
73. Sharma, Rajeeb ;Jorgensen, Jes K. ;Gavino, Sacha ;Ohashi, Nagayoshi ;Tobin, John J. ;Lin, Zhe-Yu Daniel ;Li, Zhi-Yun ;Takakuwa, Shigehisa ;Lee, Chang Won ;Sai (Insa Choi), Jinshi ;Kwon, Woojin ;de Gregorio-Monsalvo, Itziar ;Santamaria-Miranda, Alejandro ;Yen, Hsi-Wei ;Aikawa, Yuri ;Aso, Yusuke ;Lai, Shih-Ping ;Lee, Jeong-Eun ;Looney, Leslie W. ;Phuong, Nguyen Thi ;Thieme, Travis J. ;Williams, Jonathan P. "Early Planet Formation in Embedded Disks (eDisk). IX. High-resolution ALMA Observations of the Class 0 Protostar R CrA IRS5N and Its Surroundings" ,2023, *The Astrophysical Journal*, **Volume 954**, Issue 1, id.69, 22 pp.
74. Sai, Jinshi ;Yen, Hsi-Wei ;Ohashi, Nagayoshi ;Tobin, John J. ;Jorgensen, Jes K. ;Takakuwa, Shigehisa ;Saigo, Kazuya ;Aso, Yusuke ;Lin, Zhe-Yu Daniel ;Koch, Patrick M. ;Aikawa, Yuri ;Flores, Christian ;de Gregorio-Monsalvo, Itziar ;Han, Ilseung ;Kido, Miyu ;Kwon, Woojin ;Lai, Shih-Ping ;Lee, Chang Won ;Lee, Jeong-Eun ;Li, Zhi-Yun ;Looney, Leslie W. ;Mori, Shoji ;Phuong, Nguyen Thi ;Santamaria-Miranda, Alejandro ;Sharma, Rajeeb ;Thieme, Travis J. ;Tomida, Kengo ;Williams, Jonathan P. "Early Planet Formation in Embedded Disks (eDisk). V. Possible Annular Substructure in a Circumstellar Disk in the Ced110 IRS4 System" ,2023, *The Astrophysical Journal*, **Volume 954**, Issue 1, id.67, 25 pp.
75. Matsunaga, Noriyuki ;Taniguchi, Daisuke ;Elgueta, Scarlet S. ;Tsujimoto, Takuji ;Baba, Junichi ;McWilliam, Andrew ;Otsubo, Shogo ;Sarugaku, Yuki ;Takeuchi, Tomomi ;Katoh, Haruki ;Hamano, Satoshi ;Ikeda, Yuji ;Kawakita, Hideyo ;Hull, Charlie ;Albarracin, Rogelio ;Bono, Giuseppe ;D'Orazi, Valentina "Metallicities of Classical Cepheids in the Inner Galactic Disk" ,2023, *The Astrophysical Journal*, **Volume 954**, Issue 2, id.198, 8 pp.
76. Teja, Rishabh Singh ;Singh, Avinash ;Sahu, D. K. ;Anupama, G. C. ;Kumar, Brajesh ;Nakaoka, Tatsuya ;Kawabata, Koji S. ;Yamanaka, Masayuki ;Takey, Ali ;Kawabata, Miho "SN 2018gj: A Short Plateau Type II Supernova with Persistent Blueshifted Ha Emission" ,2023, *The Astrophysical Journal*, **Volume 954**, Issue 2, id.155, 23 pp.
77. Imanishi, Masatoshi ; Baba, Shunsuke ;Nakanishi, Kouichiro ; Izumi, Takuma "ALMA 0.5 kpc Resolution Spatially Resolved Investigations of Nuclear Dense Molecular Gas Properties in Nearby Ultraluminous Infrared Galaxies Based on HCN and HCO⁺ Three Transition Line Data" ,2023, *The Astrophysical Journal*, **Volume 954**, Issue 2, id.148, 52 pp.
78. Tachibana, Kengo ;Miyata, Takashi ;Kamizuka, Takafumi ;Ohsawa, Ryou ;Takita, Satoshi ;Nakagawa, Akiharu ;Ita, Yoshifusa ;Uchiyama, Mizuho "Investigation of mid-infrared long-term variability of dusty AGB stars using multi-epoch scan data of AKARI and WISE" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 3, pp.489-498
79. Nakagawa, Akiharu ;Morita, Atsushi ;Sakai, Nobuyuki ;Kurayama, Tomoharu ;Sudou, Hiroshi ;Orosz, Gabor ;Yuda, Akito ;Kaseda, Daichi ;Matsuno, Masako ;Hamada, Shota ;Omodaka, Toshihiro ;Ueno, Yuji ;Shibata, Katsunori M. ;Tamura, Yoshiaki ;Jike,Takaaki ;Hirano, Ken ;Honma, Mareki "Astrometric VLBI

- observations of H₂O masers in an extreme OH/IR star candidate NSV 17351", 2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 3, pp.529-545
80. Matsumoto, Kosei ;Camps, Peter ;Baes, Maarten ;De Ceuster, Frederik ;Wada, Keiichi ;Nakagawa, Takao ;Nagamine, Kentaro "Self-consistent dust and non-LTE line radiative transfer with SKIRT", 2023, *Astronomy & Astrophysics*, **Volume 678**, id.A175, 12 pp.
 81. Yusuke Toyoshima, Ryosuke Kamiya, Kenichi Ohhata "High-Precision Open-Loop Time Amplifier Using Current Regulator", 2023, *IEEE Asian Pacific Conference on Circuits and Systems*
 82. Kawamuro, Taiki ;Ricci, Claudio ;Mushotzky, Richard F. ;Imanishi, Masatoshi ;Bauer, Franz E. ;Ricci, Federica ;Koss, Michael J. ;Privon, George C. ;Trakhtenbrot, Benny ;Izumi, Takuma ;Ichikawa, Kohei ;Rojas, Alejandra F. ;Smith, Krista Lynne ;Shimizu, Taro ;Oh, Kyuseok ;den Brok, Jakob S. ;Baba, Shunsuke ;Balokovi., Mislav ;Chang, Chin-Shin ;Kakkad, Darshan ;Pfeifle, Ryan W. ;Temple, Matthew J. ;Ueda, Yoshihiro ;Harrison, Fiona ;Powell, Meredith C. ;Stern, Daniel ;Urry, Meg ;Sanders, David B. "BASS. XXXIV. A Catalog of the Nuclear Millimeter-wave Continuum Emission Properties of AGNs Constrained on Scales ※ 100-200 pc", 2023, *The Astrophysical Journal Supplement Series*, **Volume 269**, Issue 1, id.24, 20 pp.
 83. Izumi, Takuma ;Wada, Keiichi ;Imanishi, Masatoshi ;Nakanishi, Kouichiro ;Kohno, Kotaro ;Kudoh, Yuki ;Kawamuro, Taiki ;Baba, Shunsuke ;Matsumoto, Naoki ;Fujita, Yutaka ;Tristram, Konrad R. W. "Supermassive black hole feeding and feedback observed on subparsec scales", 2023, *Science*, **Volume 382**, Issue 6670, pp. 554-559
 84. Gangopadhyay, Anjasha ;Maeda, Keiichi ;Singh, Avinash ;Nayana, A. J. ;Nakaoka, Tatsuya ;Kawabata, Koji S. ;Taguchi, Kenta ;Singh, Mridweeka ;Chandra, Poonam ;Ryder, Stuart D. ;Dastidar, Raya ;Yamanaka, Masayuki ;Kawabata, Miho ;Alsaberi, Rami Z. E. ;Dukiya, Naveen ;Teja, Rishabh Singh ;Ailawadhi, Bhavya ;Dutta, Anirban ;Sahu, D. K. ;Moriya, Takashi J. ;Misra, Kuntal ;Tanaka, Masaomi ;Chevalier, Roger ;Tominaga, Nozomu ;Uno, Kohki ;Imazawa, Ryo ;Hamada, Taisei ;Hori, omoya ;Isogai, Keisuke "Bridging between Type IIb and Ib Supernovae: SN IIb 2022crv with a Very Thin Hydrogen Envelope", 2023, *The Astrophysical Journal*, **Volume 957**, Issue 2, id.100, 21 pp.
 85. Narayanan, Suchitra ;Williams, Jonathan P. ;Tobin, John J. ;Jorgensen, Jes K. ;Ohashi, Nagayoshi ;Lin, Zhe-Yu Daniel ;van't Hoff, Merel L. R. ;Li, Zhi-Yun ;Plunkett, Adele L. ;Looney, Leslie W. ;Takakuwa, Shigehisa ;Yen, Hsi-Wei ;Aso, Yusuke ;Flores, Christian ;Lee, Jeong-Eun ;Lai, Shih-Ping ;Kwon, Woojin ;de Gregorio-Monsalvo, Itziar ;Sharma, Rajeeb ;Lee, Chang Won "Early Planet Formation in Embedded Disks (eDisk). X. Compact Disks, Extended Infall, and a Fossil Outburst in the Class I Oph IRS43 Binary", 2023, *The Astrophysical Journal*, **Volume 958**, Issue 1, id.20, 10 pp.
 86. Thieme, Travis J. ;Lai, Shih-Ping ;Ohashi, Nagayoshi ;Tobin, John J. ;Jorgensen, Jes K. ;Sai, Jinshi (Insa Choi) ;Aso, Yusuke ;Williams, Jonathan P. ;Yamato, Yoshihide ;Aikawa, Yuri ;de Gregorio-Monsalvo, Itziar ;Han, Ilseung ;Kwon, Woojin ;Lee, Chang Won ;Lee, Jeong-Eun ;Li, Zhi-Yun ;Lin, Zhe-Yu Daniel ;Looney, Leslie W. ;Narayanan, Suchitra ;Phuong, Nguyen Thi ;Plunkett, Adele L. ;Santamaria-Miranda, Alejandro ;Sharma, Rajeeb ;Takakuwa, Shigehisa ;Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). VIII. A Small Protostellar Disk around the Extremely Low Mass and Young Class 0 Protostar IRAS 15398-3359", 2023, *The Astrophysical Journal*, **Volume 958**, Issue 1, id.60, 22 pp.
 87. Flores, Christian ;Ohashi, Nagayoshi ;Tobin, John J. ;Jorgensen, Jes K. ;Takakuwa, Shigehisa ;Li, Zhi-Yun ;Lin, Zhe-Yu Daniel ;van't Hoff, Merel L. R. ;Plunkett, Adele L. ;Yamato, Yoshihide ;Sai (Insa Choi), Jinshi ;Koch, Patrick M. ;Yen, Hsi-Wei ;Aikawa, Yuri ;Aso, Yusuke ;de Gregorio-Monsalvo, Itziar ;Kido, Miyu ;Kwon, Woojin ;Lee, Jeong-Eun ;Lee, Chang Won ;Looney, Leslie W. ;Santamaria-Miranda, Alejandro ;Sharma, Rajeeb ;Thieme, Travis J. ;Williams, Jonathan P. ;Han, Ilseung ;Narayanan, Suchitra ;Lai, Shih-Ping "Early Planet Formation in Embedded Disks (eDisk). XII. Accretion Streamers,Protoplanetary Disk, and

- Outflow in the Class I Source Oph IRS 63" ,2023, *The Astrophysical Journal*, **Volume 958**, Issue 1, id.98, 22 pp.
88. Tanimoto, Atsushi ;Wada, Keiichi ;Kudoh, Yuki ;Odaka, Hirokazu ;Uematsu, Ryosuke ;Ogawa, Shoji "Circumnuclear Multiphase Gas in the Circinus Galaxy. V. The Origin of the X-Ray Polarization in the Circinus Galaxy" ,2023, *The Astrophysical Journal*, **Volume 958**, Issue 2, id.150, 9 pp.
 89. Taguchi, Kenta ;Maeda, Keiichi ;Maehara, Hiroyuki ;Tajitsu, Akito ;Yamanaka, Masayuki ;Arai, Akira ;Isogai, Keisuke ;Shibata, Masaaki ;Tampo, Yusuke ;Kojiguchi, Naoto ;Nogami, Daisaku ;Kato, Taichi "Spectra of V1405 Cas at the Very Beginning Indicate a Low-mass ONeMg White Dwarf Progenitor" ,2023, *The Astrophysical Journal*, **Volume 958**, Issue 2, id.156, 12 pp.
 90. Wada, Keiichi ;Kudoh, Yuki ;Nagao, Tohru "Multiphase gas nature in the sub-pc region of the active galactic nuclei - II.Possible origins of the changing-state AGNs" ,2023, *Monthly Notices of the Royal Astronomical Society*, **Volume 526**, Issue 2, pp.2717-2723
 91. Baba, Junichi ;Saitoh, Takayuki R. ;Tsujimoto, Takuji "Exploring the Sun's birth radius and the distribution of planet building blocks in the Milky Way galaxy: a multizone Galactic chemical evolution approach" ,2023, *Monthly Notices of the Royal Astronomical Society*, **Volume 526**, Issue 4, pp.6088-6102
 92. Imai, Hiroshi ;Hamae, Yuhki ;Amada, Kei ;Nakashima, Keisuke ;Shum, Ka-Yiu ;Kasai, Rina ;Gomez, Jose F. ;Uscanga, Lucero ;Tafoya, Daniel ;Orosz, Gabor ;Burns, Ross A. "FLASHING: Project overview" ,2023, *Publications of the Astronomical Society of Japan*, **Volume 75**, Issue 6, pp.1183-1213
 93. Tsukui, Takafumi ;Wisnioski, Emily ;Bland-Hawthorn, Joss ;Mai, Yifan ;Iguchi, Satoru ;Baba, Junichi ;Freeman, Ken "Detecting a disc bending wave in a barred-spiral galaxy at redshift 4.4" ,2024, *Monthly Notices of the Royal Astronomical Society*, **Volume 527**, Issue 3, pp.8941-8949
 94. Fan, Haichen ;Nakashima, Jun-ichi ;Engels, D. ;Zhang, Yong ;Qiu, Jian-Jie ;Feng, Huan-Xue ;Xie, Jia-Yong ;Imai, Hiroshi ;Hsia, Chih-Hao "Systematic Search for Water Fountain Candidates Using the Databases of Circumstellar Maser Sources" ,2024, *The Astrophysical Journal Supplement Series*, **Volume 270**, Issue 1, id.13, 25 pp.
 95. Yutani, Naomichi ;Toba, Yoshiki ;Wada, Keiichi "Apparent Effect of Dust Extinction on the Observed Outflow Velocity of Ionized Gas in Galaxy Mergers" ,2024, *The Astrophysical Journal*, **Volume 961**, Issue 1, id.68, 11 pp.
 96. Arimoto, Makoto ;Asano, Katsuaki ;Kawabata, Koji S. ;Toma, Kenji ;Gill, Ramandeep ;Granot, Jonathan ;Ohno, Masanori ;Takahashi, Shuta ;Ogino, Naoki ;Goto, Hatsune ;Nakamura, Kengo ;Nakaoka, Tatsuya ;Takagi, Kengo ;Kawabata, Miho ;Yamanaka, Masayuki ;Sasada, Mahito ;Razzaque, Soebur "Gamma rays from a reverse shock with turbulent magnetic fields in GRB 180720B" ,2024, *Nature Astronomy*, **Volume 8**, p. 134-144
 97. Ciuc., Ioana ;Kawata, Daisuke ;Ting, Yuan-Sen ;Grand, Robert J. J. ;Miglio, Andrea ;Hayden, Michael ;Baba, Junichi ;Fragkoudi, Francesca ;Monty, Stephanie ;Buder, Sven ;Freeman, Ken "Chasing the impact of the Gaia-Sausage-Enceladus merger on the formation of the Milky Way thick disc" ,2024, *Monthly Notices of the Royal Astronomical Society: Letters*, **Volume 528**, Issue 1, pp.L122-L126
 98. Matsusaka, Ren ;Handa, Toshihiro ;Fujimoto, Yusuke ;Murase, Takeru ;Hirata, Yushi ;Nishi, Junya ;Ito, Takumi ;Sasaki, Megumi ;Mizoguchi, Tomoki "Sub-kpc scale gas density histogram of the galactic molecular gas: a new statistical method to characterize galactic-scale gas structures" ,2024, *Monthly Notices of the Royal Astronomical Society*, **Volume 528**, Issue 2, pp.3473-3485
 99. Murai, Yuta ;Tanaka, Masaomi ;Kawabata, Miho ;Taguchi, Kenta ;Teja, Rishabh Singh ;Nakaoka, Tatsuya ;Maeda, Keiichi ;Kawabata, Koji S. ;Nagao, Takashi ;Moriya, Takashi J. ;Sahu, D. K. ;Anupama, G. C.

;Tominaga, Nozomu ;Morokuma, Tomoki ;Imazawa, Ryo ;Inutsuka, Satoko ;Isogai, Keisuke ;Kasuga, Toshihiro ;Kobayashi, Naoto ;Kondo, Sohei ;Maehara, Hiroyuki ;Mori, Yuki ;Niino, Yuu ;Ogawa, Mao ;Ohsawa, Ryou ;Okumura, Shin-ichiro ;Saito, Sei ;Sako, Shigeyuki ;Takahashi, Hidenori ;Uno, Kohki ;Yamanaka, Masayuki "Intermediate-luminosity Type IIP SN 2021gmj: a low-energy explosion with signatures of circumstellar material" ,2024, *Monthly Notices of the Royal Astronomical Society*, **Volume 528**, Issue 3, pp.4209-4227

100.Asano, Tetsuro ;Kawata, Daisuke ;Fujii, Michiko S. ;Baba, Junichi "Growing local arm inferred by the breathing motion" ,2024, *Monthly Notices of the Royal Astronomical Society: Letters*, **Volume 529**, Issue 1, pp.L7-L12

101.Almannaei, Aisha S. ;Kawata, Daisuke ;Baba, Junichi ;Hunt, Jason A. S. ;Seabroke, George ;Yan, Ziyang "Impacts of the Local arm on the local circular velocity inferred from the Gaia DR3 young stars in the Milky Way" ,2024, *Monthly Notices of the Royal Astronomical Society*, **Volume 529**, Issue 2, Pages 1035–1046

102.Wang, Jia-Wei ; Koch, Patrick M. ; Clarke, Seamus D. ; Fuller, Gary ; Peretto, Nicolas ; Tang, Ya-Wen ; Yen, Hsi-Wei ; Lai, Shih-Ping ; Ohashi, Nagayoshi ; Arzoumanian, Doris ; Johnstone, Doug ; Furuya, Ray ; Inutsuka, Shu-ichiro ; Lee, Chang Won ; Ward-Thompson, Derek ; Le Gouellec, Valentin J. M. ; Liu, Hong-Li ; Fanciullo, Lapo ; Hwang, Jihye ; Pattle, Kate ; Poidevin, Frédéric ; Tahani, Mehrnoosh ; Onaka, Takashi ; Rawlings, Mark G. ; Chung, Eun Jung ; Liu, Junhao ; Lyo, A-Ran ; Priestley, Felix ; Hoang, Thiem ; Tamura, Motohide ; Berry, David ; Bastien, Pierre ; Ching, Tao-Chung ; Coudé, Simon ; Kwon, Woojin ; Chen, Mike ; Eswarajah, Chakali ; Soam, Archana ; Hasegawa, Tetsuo ; Qiu, Keping ; Bourke, Tyler L. ; Byun, Do-Young ; Chen, Zhiwei ; Chen, Huei-Ru Vivien ; Chen, Wen Ping ; Cho, Jungyeon ; Choi, Minho ; Choi, Yunhee ; Choi, Youngwoo ; Chrysostomou, Antonio ; Dai, Sophia ; Di Francesco, James ; Diep, Pham Ngoc ; Doi, Yasuo ; Duan, Yan ; Duan, Hao-Yuan ; Eden, David ; Fiege, Jason ; Fissel, Laura M. ; Franzmann, Erica ; Friberg, Per ; Friesen, Rachel ; Gledhill, Tim ; Graves, Sarah ; Greaves, Jane ;

Griffin, Matt ; Gu, Qilao ; Han, Ilseung ; Hayashi, Saeko ; Houde, Martin ; Inoue, Tsuyoshi ; Iwasaki, Kazunari ; Jeong, Il-Gyo ; Könyves, Vera ; Kang, Ji-hyun ; Kang, Miju ; Karoly, Janik ; Kataoka, Akimasa ; Kawabata, Koji ; Khan, Zacariyya ; Kim, Mi-Ryang ; Kim, Kee-Tae ; Kim, Kyoung Hee ; Kim, Shinyoung ; Kim, Jongsoo ; Kim, Hyosung ; Kim, Gwanjeong ; Kirchschlager, Florian ; Kirk, Jason ; Kobayashi, Masato I. N. ; Kusune, Takayoshi ; Kwon, Jungmi ; Lacaille, Kevin ; Law, Chi-Yan ; Lee, Sang-Sung ; Lee, Hyeseung ; Lee, Jeong-Eun ; Lee, Chin-Fei ; Li, Dalei ; Li, Hua-bai ; Li, Guangxing ; Li, Di ; Lin, Sheng-Jun ; Liu, Tie ; Liu, Sheng-Yuan ; Lu, Xing ; Mairs, Steve ; Matsumura, Masafumi ; Matthews, Brenda ; Moriarty-Schieven, Gerald ; Nagata, Tetsuya ; Nakamura, Fumitaka ; Nakanishi, Hiroyuki ; Bich Ngoc, Nguyen ; Park, Geumsook ; Parsons, Harriet ; Pyo, Tae-Soo ; Qian, Lei ; Rao, Ramprasad ; Rawlings, Jonathan ; Retter, Brendan ; Richer, John ; Rigby, Andrew ; Sadavoy, Sarah ; Saito, Hiro ; Savini, Giorgio ; Seta, Masumichi ; Sharma, Ekta ; Shimajiri, Yoshito ; Shinnaga, Hiroko ; Tang, Xindi ; Thuong, Hoang Duc ; Tomisaka, Kohji ; Tram, Le Ngoc ; Tsukamoto, Yusuke ; Viti, Serena ; Wang, Hongchi ; Whitworth, Anthony ; Wu, Jintai ; Xie, Jinjin ; Yang, Meng-Zhe ; Yoo, Hyunju ; Yuan, Jinghua ; Yun, Hyeong-Sik ; Zenko, Tetsuya ; Zhang, Chuan-Peng ; Zhang, Yapeng ; Zhang, Guoyin ; Zhou, Jianjun ; Zhu, Lei ; de Looze, Ilse ; André, Philippe ; Dowell, C. Darren ; Eyres, Stewart ; Falle, Sam ; Robitaille, Jean-François ; van Loo, Sven "Filamentary Network and Magnetic Field Structures Revealed with BISTRO in the High-Mass Star-Forming Region NGC2264 : Global Properties and Local Magnetogravitational Configurations" ,2024, *The Astrophysical Journal*, **Volume 962**, Issue 2, id.136, 34 pp.

103.Takaishi, Daisuke ;Tsukamoto, Yusuke ;Kido, Miyu ;Takakuwa, Shigehisa ;Misugi, Yoshiaki ;Kudoh, Yuki ;Suto, Yasushi "Formation of Unipolar Outflow and Protostellar Rocket Effect in Magnetized Turbulent Molecular Cloud Cores" ,2024, *The Astrophysical Journal*, **Volume 963**, Issue 1, id.20, 14 pp.

104.Poojon, Panomporn ;Chung, Aeree ;Hoang, Thiem ;Baek, Junhyun ;Nakanishi, Hiroyuki ;Hirota, Tomoya ;Tsai, Chao-Wei "Detection of extragalactic anomalous

microwave emission in NGC 2903 using KVN single-dish observations", 2024, *The Astrophysical Journal*, **Volume 963**, Issue 2, id.88, 15 pp.

105. Misugi, Yoshiaki ; Inutsuka, Shu-ichiro ; Arzoumanian, Doris ; Tsukamoto, Yusuke "Evolution of the Angular Momentum of Molecular Cloud Cores in Magnetized Molecular Filaments", 2024, *The Astrophysical Journal*, **Volume 963**, Issue 2, id.106, 19 pp.

106. Hirata, Yushi ; Murase, Takeru ; Nishi, Junya ; Shimajiri, Yoshito ; Omodaka, Toshihiro ; Nakano, Makoto ; Sunada, Kazuyoshi ; Ito, Takumi ; Handa, Toshihiro "KAGoshima Galactic Object survey with Nobeyama 45 m telescope by Mapping in Ammonia lines (KAGONMA): Discovery of parsec-scale CO depletion in the Canis Major star-forming region", 2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 1, pp.65-80

107. Takakuwa, Shigehisa ; Saigo, Kazuya ; Kido, Miyu ; Ohashi, Nagayoshi ; Tobin, John J. ; Jorgensen, Jes K. ; Aikawa, Yuri ; Aso, Yusuke ; Gavino, Sacha ; Han, Ilseung ; Koch, Patrick M. ; Kwon, Woojin ; Lee, Chang Won ; Lee, Jeong-Eun ; Li, Zhi-Yun ; Lin, Zhe-Yu Daniel ; Looney, Leslie W. ; Mori, Shoji ; Sai, Jinshi ; Sharma, Rajeeb ; Sheehan, Patrick ; Tomida, Kengo ; Williams, Jonathan P. ; Yamato, Yoshihide ; Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). XIV. Flared Dust Distribution and Viscous Accretion Heating of the Disk around R CrA IRS 7B-a", 2024, *The Astrophysical Journal*, **Volume 964**, Issue 1, id.24, 21 pp.

108. Yamada, Satoshi ; Ueda, Yoshihiro ; Kawamuro, Taiki ; Ricci, Claudio ; Toba, Yoshiki ; Imanishi, Masatoshi ; Miyaji, Takamitsu ; Tanimoto, Atsushi ; Ichikawa, Kohei ; Herrera-Endoqui, Martin ; Ogawa, Shoji ; Uematsu, Ryosuke ; Wada, Keiichi "[O IV] and [Ne V]-weak AGNs Hidden by Compton-thick Material in Late Mergers", 2024, *The Astrophysical Journal*, **Volume 965**, Issue 2, id.153, 10 pp.

109. Oyama, Tomoaki ; Nagayama, Takumi ; Yamauchi, Aya ; Sakai, Daisuke ; Imai, Hiroshi ; Honma, Mareki ; Asakura, Yu ; Hada, Kazuhiro ; Hagiwara, Yoshiaki ; Hirota, Tomoya ; Jike, Takaaki ; Kono, Yusuke ; Suzuki,

Syunsaku ; Kobayashi, Hideyuki ; Kawaguchi, Noriyuki "Trigonometric parallax and proper motion of Sagittarius A* measured by VERA using the new broad-band back-end system OCTAVE-DAS", 2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 2, pp.163-174

110. Takahashi, Satoko ; Machida, Masahiro N. ; Omura, Mitsuki ; Johnstone, Doug ; Saigo, Kazuya ; Harada, Naoto ; Tomisaka, Kohji ; Ho, Paul T. P. ; Zapata, Luis A. ; Mairs, Steve ; Herczeg, Gregory J. ; Taniguchi, Kotomi ; Liu, Yuhua ; Sato, Asako "An Extremely Young Protostellar Core, MMS 1/OMC-3: Episodic Mass Ejection History Traced by the Micro SiO Jet", 2024, *The Astrophysical Journal*, **Volume 964**, Issue 1, id.48, 14 pp.

111. M. D. Gorski, S. Aalto, S. König, C. F. Wethers, C. Yang, S. Muller, K. Onishi, M. Sato, N. Falstad, Jeffrey G. Mangum, S. T. Linden, F. Combes, S. Martín, M. Imanishi, Keiichi Wada, L. Barcos-Muñoz, F. Stanley, S. García-Burillo, P.P. van der Werf, A. S. Evans, C. Henkel, S. Viti, N. Harada, T. Díaz-Santos, J. S. Gallagher, and E. González-Alfonso "A Spectacular Galactic Scale MHD-Powered Wind in ESO 320-G030", 2024, *Astronomy & Astrophysics*, **Volume 684**, id.L11, 9 pp.

112. Iwasawa, K. ; Liu, T. ; Boller, Th. ; Buchner, J. ; Li, J. ; Kawaguchi, T. ; Nagao, T. ; Terashima, Y. ; Toba, Y. ; Silverman, J. D. ; Arcodia, R. ; Dauser, Th. ; Krumpke, M. ; Nandra, K. ; Wilms, J. "Steep-spectrum AGN in eROSITA Final Equatorial-Depth Survey (eFEDS): Their host galaxies and multi-wavelength properties", 2024, *Astronomy & Astrophysics*, **Volume 684**, id.A153, 8 pp.

113. Nakatsuno, Naoki ; Baba, Junichi "Dynamical influence of a central massive object on double-barred galaxies: self-destruction mechanism of secondary bars", 2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 2, pp.316-328

114. Matsuoka, Yoshiki ; Izumi, Takuma ; Onoue, Masafusa ; Strauss, Michael A. ; Iwasawa, Kazushi ; Kashikawa, Nobunari ; Akiyama, Masayuki ; Aoki, Kentaro ; Arita, Junya ; Imanishi, Masatoshi ; Ishimoto, Rikako ; Kawaguchi, Toshihiro ; Kohno, Kotaro ; Lee, Chien-

- Hsiu ; Nagao, Tohru ; Silverman, John D. ; Toba, Yoshiki "Discovery of Merging Twin Quasars at $z = 6.05$ ", 2024, *The Astrophysical Journal Letters*, **Volume 965**, Issue 1, id.L4, 8 pp.
115. Tokuda, Kazuki ; Harada, Naoto ; Omura, Mitsuki ; Matsumoto, Tomoaki ; Onishi, Toshikazu ; Saigo, Kazuya ; Shoshi, Ayumu ; Nozaki, Shingo ; Tachihara, Kengo ; Fukaya, Naofumi ; Fukui, Yasuo ; Inutsuka, Shu-ichiro ; Machida, Masahiro N. "Discovery of Asymmetric Spike-like Structures of the 10 au Disk around the Very Low-luminosity Protostar Embedded in the Taurus Dense Core MC 27/L1521F with ALMA", 2024, *The Astrophysical Journal*, **Volume 965**, Issue 2, id.99, 10 pp.
116. Baba, Shunsuke ; Wada, Keiichi ; Izumi, Takuma ; Kudoh, Yuki ; Matsumoto, Kosei "Circumnuclear Multiphase Gas in the Circinus Galaxy. VI. Detectability of Molecular Inflow and Atomic Outflow", 2024, *The Astrophysical Journal*, **Volume 966**, Issue 1, id.15, 16 pp.
117. Encalada, Frankie J. ; Looney, Leslie W. ; Takakuwa, Shigehisa ; Tobin, John J. ; Ohashi, Nagayoshi ; Jørgensen, Jes K. ; Li, Zhi-Yun ; Aikawa, Yuri ; Aso, Yusuke ; Koch, Patrick M. ; Kwon, Woojin ; Lai, Shih-Ping ; Lee, Chang Won ; Lin, Zhe-Yu Daniel ; Santamaría-Miranda, Alejandro ; de Gregorio-Monsalvo, Itziar ; Phuong, Nguyen Thi ; Plunkett, Adele ; Sai (Insa Choi), Jinshi ; Sharma, Rajeeb ; Yen, Hsi-Wei ; Han, Ilseung "Early Planet Formation in Embedded Disks (eDisk). XIII. Aligned Disks with Nonsettled Dust around the Newly Resolved Class 0 Protobinary R CrA IRAS 32", 2024, *The Astrophysical Journal*, **Volume 966**, Issue 1, id.32, 27 pp.
118. Toba, Yoshiki ; Hashiguchi, Aoi ; Ota, Naomi ; Oguri, Masamune ; Okabe, Nobuhiro ; Ueda, Yoshihiro ; Imanishi, Masatoshi ; Nishizawa, Atsushi J. ; Goto, Tomotsugu ; Hsieh, Bau-Ching ; Kondo, Marie ; Koyama, Shuhei ; Lee, Kianhong ; Mitsuishi, Ikuyuki ; Nagao, Tohru ; Oogi, Taira ; Sakuta, Koki ; Schramm, Malte ; Yanagawa, Anri ; Yoshimoto, Anje "Active Galactic Nucleus Properties of ~1 Million Member Galaxies of Galaxy Groups and Clusters at $z < 1.4$ Based on the Subaru Hyper Suprime-Cam Survey", 2024, *The Astrophysical Journal*, **Volume 967**, Issue 1, id.65, 19 pp.
119. Pouliaxis, E. ; Ruiz, A. ; Georgantopoulos, I. ; Vito, F. ; Gilli, R. ; Vignali, C. ; Ueda, Y. ; Koulouridis, E. ; Akiyama, M. ; Marchesi, S. ; Laloux, B. ; Nagao, T. ; Paltani, S. ; Pierre, M. ; Toba, Y. ; Habouzit, M. ; Vijarnwannaluk, B. ; Garrel, C. "Active galactic nucleus X-ray luminosity function and absorption function in the Early Universe ($3 \leq z \leq 6$)", 2024, *Astronomy & Astrophysics*, **Volume 685**, id.A97, 25 pp.
120. 中西 裕之, 矢崎 義直, 下田 治信, 榑原 保志 "移動式プラネタリウムを利用した日周運動・年周運動に関する試行授業—自作プラネタリウムを中学校に持ち込んで—", 2024, 地学教育, **76 巻**, pp. 81-95
121. Kawata, Daisuke ; Kawahara, Hajime ; Gouda, Naoteru ; Secrest, Nathan J. ; Kano, Ryouhei ; Kataza, Hirokazu ; Isobe, Naoki ; Ohsawa, Ryou ; Usui, Fumihiko ; Yamada, Yoshiyuki ; Graham, Alister W. ; Pettitt, Alex R. ; Asada, Hideki ; Baba, Junichi ; Bekki, Kenji ; Dorland, Bryan N. ; Fujii, Michiko ; Fukui, Akihiko ; Hattori, Kohei ; Hirano, Teruyuki ; Kamizuka, Takafumi ; Kashima, Shingo ; Kawanaka, Norita ; Kawashima, Yui ; Klioner, Sergei A. ; Kodama, Takanori ; Koshimoto, Naoki ; Kotani, Takayuki ; Kuzuhara, Masayuki ; Levine, Stephen E. ; Majewski, Steven R. ; Masuda, Kento ; Matsunaga, Noriyuki ; Miyakawa, Kohei ; Miyoshi, Makoko ; Morihana, Kumiko ; Nishi, Ryoichi ; Notsu, Yuta ; Omiya, Masashi ; Sanders, Jason ; Tanikawa, Ataru ; Tsujimoto, Masahiro ; Yano, Taihei ; Aizawa, Masataka ; Arimatsu, Ko ; Biermann, Michael ; Boehm, Celine ; Chiba, Masashi ; Debattista, Victor P. ; Gerhard, Ortwin ; Hirabayashi, Masayuki ; Hobbs, David ; Ikenoue, Bungo ; Izumiura, Hideyuki ; Jordi, Carme ; Kohara, Naoki ; Löffler, Wolfgang ; Luri, Xavier ; Mase, Ichiro ; Miglio, Andrea ; Mitsuda, Kazuhisa ; Newswander, Trent ; Nishiyama, Shogo ; Obuchi, Yoshiyuki ; Ootsubo, Takafumi ; Ouchi, Masami ; Ozaki, Masanobu ; Perryman, Michael ; Prusti, Timo ; Ramos, Pau ; Read, Justin I. ; Rich, R. Michael ; Schönrich, Ralph ; Shikauchi, Minori ; Shimizu, Risa ; Suematsu, Yoshinori ; Tada, Shotaro ; Takahashi, Aoi ; Tatekawa, Takayuki ; Tatsumi, Daisuke ; Tsujimoto, Takuji ; Tsuzuki, Toshihiro ; Urakawa, Seitaro ; Uruguchi, Fumihiko ; Utsunomiya, Shin ; Van Eylen, Vincent ; van

- Leeuwen, Floor ; Wada, Takehiko ; Walton, Nicholas A. "JASMINE: Near-infrared astrometry and time-series photometry science" ,2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 3, pp.386-425
- 122.Tachihara, Kengo ; Fukaya, Naofumi ; Tokuda, Kazuki ; Yamasaki, Yasumasa ; Nishioka, Takeru ; Abe, Daisei ; Inoue, Tsuyoshi ; Harada, Naoto ; Shoshi, Ayumu ; Nozaki, Shingo ; Sato, Asako ; Omura, Mitsuki ; Fujishiro, Kakeru ; Fukagawa, Misato ; Machida, Masahiro N. ; Kanai, Takahiro ; Oasa, Yumiko ; Onishi, Toshikazu ; Saigo, Kazuya ; Fukui, Yasuo "Internal 1000 au Scale Structures of the R CrA Cluster-forming Cloud. I. Filamentary Structures" ,2024, *The Astrophysical Journal*, **Volume 968**, Issue 2, id.131, 16 pp.
- 123.Yen, Hsi-Wei ; Williams, Jonathan P. ; Sai, Jinshi ; Koch, Patrick M. ; Han, Ilseung ; Jørgensen, Jes K. ; Kwon, Woojin ; Lee, Chang Won ; Li, Zhi-Yun ; Looney, Leslie W. ; Narang, Mayank ; Ohashi, Nagayoshi ; Takakuwa, Shigehisa ; Tobin, John J. ; de Gregorio-Monsalvo, Itziar ; Lai, Shih-Ping ; Lee, Jeong-Eun ; Tomida, Kengo "Early Planet Formation in Embedded Disks (eDisk). XV. Influence of Magnetic Field Morphology in Dense Cores on Sizes of Protostellar Disks" ,2024, *The Astrophysical Journal*, **Volume 969**, Issue 2, id.125, 10 pp.
- 124.Nagao, T. ; Maeda, K. ; Mattila, S. ; Kuncarayakti, H. ; Kawabata, M. ; Taguchi, K. ; Nakaoka, T. ; Cikota, A. ; Bulla, M. ; Vasylyev, S. S ; Gutiérrez, C. P. ; Yamanaka, M. ; Isogai, K. ; Uno, K. ; Ogawa, M. ; Inutsuka, S. ; Tsurumi, M. ; Imazawa, R. ; Kawabata, K. S. "Evidence for bipolar explosions in Type IIP supernovae" ,2024, *Astronomy & Astrophysics*, **Volume 687**, id.L17, 15 pp.
- 125.Li, Wenxiu ; Inayoshi, Kohei ; Onoue, Masafusa ; He, Wanqiu ; Matsuoka, Yoshiki ; Pan, Zhiwei ; Akiyama, Masayuki ; Izumi, Takuma ; Nagao, Tohru "Reconstruction of Cosmic Black Hole Growth and Mass Distribution from Quasar Luminosity Functions at $z > 4$: Implications for Faint and Low-mass Populations in JWST" ,2024, *The Astrophysical Journal*, **Volume 969**, Issue 1, id.69, 14 pp.
- 126.Hoshi, Atsushi ; Yamada, Toru ; Kokubo, Mitsuru ; Matsuoka, Yoshiki ; Nagao, Tohru "The Relationship of Supermassive Black Holes and Host Galaxies at $z < 4$ in the Deep Optical Variability-selected Active Galactic Nuclei Sample in the COSMOS Field" ,2024, *The Astrophysical Journal*, **Volume 969**, Issue 1, id.11, 9 pp.
- 127.Bert Vander Meulen, Peter Camps, Masahiro Tsujimoto, and Keiichi Wada "Intrinsic line profiles for X-ray fluorescent lines in SKIRT" ,2024, *Astronomy & Astrophysics*, **Volume 688**, id.L33, 5 pp.
- 128.Kataoka, J. ; Iwashita, R. ; Tanaka, K. S. ; Mori, R. ; Ogasawara, S. ; Suga, T. ; Koshikawa, N. ; Watanabe, K. ; Yasuda, M. ; Kobayashi, H. ; Kobayashi, D. ; Otsubo, K. ; Ohira, A. ; Amaki, Y. ; Arai, Y. ; Tashiro, K. ; Ozeki, Y. ; Kawaguchi, Y. ; Yoshimura, D. ; Yoshida, H. ; Takahashi, K. ; Yatsu, Y. ; Chujo, T. ; Nakanishi, H. ; Onishi, M. ; Takeda, S. "INSPIRE: Challenge of 50 kg-class satellite to open up MeV gamma-ray astronomy" ,2024, *Nuclear Inst. and Methods in Physics Research, A*, **Volume 1065**, id.169518
- 129.Abdullah, M. ; Bagchi, S. ; Harakeh, M. N. ; Akimune, H. ; Das, D. ; Doi, T. ; Donaldson, L. M. ; Fujikawa, Y. ; Fujiwara, M. ; Furuno, T. ; Garg, U. ; Gupta, Y. K. ; Howard, K. B. ; Hijikata, Y. ; Inaba, K. ; Ishida, S. ; Itoh, M. ; Kalantar-Nayestanaki, N. ; Kar, D. ; Kawabata, T. ; Kawashima, S. ; Khokhar, K. ; Kitamura, K. ; Kobayashi, N. ; Matsuda, Y. ; Nakagawa, A. ; Nakamura, S. ; Nosaka, K. ; Okamoto, S. ; Ota, S. ; Pal, S. ; Pramanik, R. ; Roy, S. ; Weyhmiller, S. ; Yang, Z. ; Zamora, J. C. "Effect of ground-state deformation on the isoscalar giant monopole resonance and the first observation of overtones of the isoscalar giant quadrupole resonance in rare-Earth Nd isotopes" ,2024, *Physics Letters B*, **Volume 855**, id.138852
- 130.Tsukamoto, Yusuke "Co-evolution of dust grains and protoplanetary disks. II. Structure and evolution of protoplanetary disks: An analytical approach" ,2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 4, pp.674-687

131. Marconi, A. ; Amiri, A. ; Feltre, A. ; Belfiore, F. ; Cresci, G. ; Curti, M. ; Mannucci, F. ; Bertola, E. ; Brazzini, M. ; Carniani, S. ; Cataldi, E. ; D'Amato, Q. ; de Rosa, G. ; Di Teodoro, E. ; Ginolfi, M. ; Kumari, N. ; Marconcini, C. ; Maiolino, R. ; Magrini, L. ; Marasco, A. ; Mingozi, M. ; Moreschini, B. ; Nagao, T. ; Oliva, E. ; Scialpi, M. ; Tomicic, N. ; Tozzi, G. ; Ulivi, L. ; Venturi, G. "HOMERUN: A new approach to photoionization modeling: I. Reproducing observed emission lines with percent accuracy and obtaining accurate physical properties of the ionized gas", 2024, *Astronomy & Astrophysics*, **Volume 689**, id.A78, 16 pp.
132. Lee, Kianhong ; Akiyama, Masayuki ; Kohno, Kotaro ; Iono, Daisuke ; Imanishi, Masatoshi ; Hatsukade, Bunyo ; Umehata, Hideki ; Nagao, Tohru ; Toba, Yoshiki ; Chen, Xiaoyang ; Egusa, Fumi ; Ichikawa, Kohei ; Izumi, Takuma ; Matsumoto, Naoki ; Schramm, Malte ; Matsuoka, Kenta "Ongoing and Fossil Large-scale Outflows Detected in a High-redshift Radio Galaxy: [C II] Observations of TN J0924-2201 at $z = 5.174$ ", 2024, *The Astrophysical Journal*, **Volume 972**, Issue 1, id.111, 13 pp.
133. Izumi, Takuma ; Matsuoka, Yoshiki ; Onoue, Masafusa ; Strauss, Michael A. ; Umehata, Hideki ; Silverman, John D. ; Nagao, Tohru ; Imanishi, Masatoshi ; Kohno, Kotaro ; Toba, Yoshiki ; Iwasawa, Kazushi ; Nakanishi, Kouichiro ; Sawamura, Mahoshi ; Fujimoto, Seiji ; Kikuta, Satoshi ; Kawaguchi, Toshihiro ; Aoki, Kentaro ; Goto, Tomotsugu "Merging Gas-rich Galaxies That Harbor Low-luminosity Twin Quasars at $z = 6.05$: A Promising Progenitor of the Most Luminous Quasars", 2024, *The Astrophysical Journal*, **Volume 972**, Issue 1, id.116, 12 pp.
134. Davies, R. ; Shimizu, T. ; Pereira-Santaella, M. ; Alonso-Herrero, A. ; Audibert, A. ; Bellocchi, E. ; Boorman, P. ; Campbell, S. ; Cao, Y. ; Combes, F. ; Delaney, D. ; Díaz-Santos, T. ; Eisenhauer, F. ; Esparza Arredondo, D. ; Feuchtgruber, H. ; Förster Schreiber, N. M. ; Fuller, L. ; Gandhi, P. ; García-Bernete, I. ; García-Burillo, S. ; García-Lorenzo, B. ; Genzel, R. ; Gillessen, S. ; González Martín, O. ; Haidar, H. ; Hermosa Muñoz, L. ; Hicks, E. K. S. ; Hönig, S. ; Imanishi, M. ; Izumi, T. ; Labiano, A. ; Leist, M. ; Levenson, N. A. ; Lopez-Rodriguez, E. ; Lutz, D. ; Ott, T. ; Packham, C. ; Rabien, S. ; Ramos Almeida, C. ; Ricci, C. ; Rigopoulou, D. ; Rosario, D. ; Rouan, D. ; Santos, D. J. D. ; Shangguan, J. ; Stalevski, M. ; Sternberg, A. ; Sturm, E. ; Tacconi, L. ; Villar Martín, M. ; Ward, M. ; Zhang, L. "GATOS: missing molecular gas in the outflow of NGC 5728 revealed by JWST", 2024, *Astronomy & Astrophysics*, **Volume 689**, id.A263, 16 pp.
135. Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiko ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi

- ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Xiang, Xin ; Minezaki, Takeo ; Buhariwalla, Margaret ; Gerolymatou, Dimitra ; Hagen, Scott "XRISM Spectroscopy of the Fe K α Emission Line in the Seyfert Active Galactic Nucleus NGC 4151 Reveals the Disk, Broad-line Region, and Torus" ,2024, *The Astrophysical Journal*, **Volume 973**, Issue 1, id.L25, 14 pp.
- 136.Hermosa Muñoz, L. ; Alonso-Herrero, A. ; Pereira-Santaella, M. ; García-Bernete, I. ; García-Burillo, S. ; García-Lorenzo, B. ; Davies, R. ; Shimizu, T. ; Esparza-Arredondo, D. ; Hicks, E. K. S. ; Haidar, H. ; Leist, M. ; López-Rodríguez, E. ; Ramos Almeida, C. ; Rosario, D. ; Zhang, L. ; Audibert, A. ; Bellocchi, E. ; Boorman, P. ; Bunker, A. J. ; Combes, F. ; Campbell, S. ; Díaz-Santos, T. ; Fuller, L. ; Gandhi, P. ; González-Martín, O. ; Hönig, S. ; Imanishi, M. ; Izumi, T. ; Labiano, A. ; Levenson, N. A. ; Packham, C. ; Ricci, C. ; Rigopoulou, D. ; Rouan, D. ; Stalevski, M. ; Villar-Martín, M. ; Ward, M. J. "A biconical ionised gas outflow and evidence of positive feedback in NGC 7172 uncovered by MIRI/JWST" ,2024, *Astronomy & Astrophysics*, **Volume 690**, id.A350, 20 pp.
- 137.Santamaría-Miranda, Alejandro; de Gregorio-Monsalvo, Itziar; Ohashi, Nagayoshi;Tobin, John J.; Sai, Jinshi; Jørgensen, Jes K.; Aso, Yusuke; Daniel Lin, Zhe-Yu;Flores, Christian; Kido, Miyu; Koch, Patrick M.; Kwon, Woojin; Lee, Chang Won; Li, Zhi-Yun;Looney, Leslie W.; Plunkett, Adele L.; Takakuwa, Shigehisa; R van't Hoff, Merel L.;Williams, Jonathan P.; Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk): XVI. Asymmetric dust disk driving a multicomponent molecular outflow in the young Class 0 protostar GSS30 IRS3" ,2024, *Astronomy & Astrophysics*, **Volume 690**, id.A46, 23 pp.
- 138.Funakoshi, Natsuki ; Matsunaga, Noriyuki ; Kawata, Daisuke ; Baba, Junichi ;Taniguchi, Daisuke ; Fujii, Michiko "Clues to growth and disruption of two neighbouring spiral arms of the Milky Way" ,2024, *Monthly Notices of the Royal Astronomical Society*, **Volume 533**, Issue 4, pp.4324-4333
- 139.Tamba, Tsubasa ; Odaka, Hirokazu ; Watanabe, Taihei ; Iwata, Toshiya ; Kasuga, Tomoaki ; Tanimoto, Atsushi ; Takashima, Satoshi ; Ichihashi, Masahiro ; Suzuki, Hiromasa ; Bamba, Aya "Imaging reconstruction method on X-ray data of CMOS polarimeter combined with coded aperture" ,2024, *Nuclear Inst. and Methods in Physics Research, A*, **Volume 1067**, id.169589
- 140.Kaneda, Yuka ; Mori, Masao ; Otaki, Koki "A universal scaling relation incorporating the cusp-to-core transition of dark matter haloes" ,2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 5, pp.1026-1040
- 141.Iwata, Toshiya ; Tanimoto, Atsushi ; Odaka, Hirokazu ; Bamba, Aya ; Inoue, Yoshiyuki ; Hagino, Kouichi "Multi-epoch X-ray spectral analysis of Centaurus A: Revealing new constraints on iron emission line origins" ,2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 5, pp.923-939
- 142.Sato, Kazuki ; Shinnaga, Hiroko ; Furuya, Ray S. ; Suzuki, Takeru K. ; Kakiuchi, Kensuke ; Ott, Jürgen "Spiral Magnetic Field and Their Role on Accretion Dynamics in the Circumnuclear Disk of Sagittarius A*: Insight from $\lambda = 850 \mu\text{m}$ Polarization Imaging" , 2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 5, pp.960-979
- 143.Gavino, Sacha; Jørgensen, Jes K.; Sharma, Rajeeb; Yang, Yao-Lun; Li, Zhi-Yun; Tobin, John J.; Ohashi, Nagayoshi; Takakuwa, Shigehisa; Plunkett, Adele L.; Kwon, Woojin; de Gregorio-Monsalvo, Itziar; Lin, Zhe-Yu Daniel; Santamaría-Miranda, Alejandro; Aso, Yusuke; Sai, Jinshi; Aikawa, Yuri; Tomida, Kengo; Koch, Patrick M.; Lee, Jeong-Eun; Lee, Chang Won; Lai, Shih-Ping; Looney, Leslie W.; Narayanan, Suchitra; Phuong, Nguyen Thi; Thieme, Travis J.; van't Hoff, Merel L. R.; Williams, Jonathan P.; Yen, Hsi-Wei "Early Planet Formation in Embedded Disks. XI. A High-resolution View Toward the BHR 71 Class 0 Protostellar Wide Binary" ,2024, *The Astrophysical Journal*, **Volume 974**, Issue 1, id.21, 33 pp.

144. Zhang, Lulu ; Packham, Chris ; Hicks, Erin K. S. ; Davies, Ric I. ; Shimizu, Taro T. ; Alonso-Herrero, Almudena ; Hermosa Muñoz, Laura ; García-Bernete, Ismael ; Pereira-Santaella, Miguel ; Audibert, Anelise ; López-Rodríguez, Enrique ; Bellocchi, Enrica ; Bunker, Andrew J. ; Combes, Francoise ; Díaz-Santos, Tanio ; Gandhi, Poshak ; García-Burillo, Santiago ; García-Lorenzo, Begoña ; González-Martín, Omaira ; Imanishi, Masatoshi ; Labiano, Alvaro ; Leist, Mason T. ; Levenson, Nancy A. ; Ramos Almeida, Cristina ; Ricci, Claudio ; Rigopoulou, Dimitra ; Rosario, David J. ; Stalevski, Marko ; Ward, Martin J. ; Esparza-Arredondo, Donaji ; Delaney, Dan ; Fuller, Lindsay ; Haidar, Houda ; Hönig, Sebastian ; Izumi, Takuma ; Rouan, Daniel "The Galaxy Activity, Torus, and Outflow Survey (GATOS). IV. Exploring Ionized Gas Outflows in Central Kiloparsec Regions of GATOS Seyferts" ,2024, *The Astrophysical Journal*, **Volume 974**, Issue 2, id.195, 31 pp.
145. Singh, Avinash ; Teja, Rishabh Singh ; Moriya, Takashi J. ; Maeda, Keiichi ; ; Nakaoka, Tatsuya ; Kawabata, Koji S. ; Tanaka, Masaomi ; Imazawa, Ryo Gangopadhyay, Anjasha ; Yamanaka, Masayuki ; Swain, Vishwajeet ; Sahu, D. K. ; ; Sano, Yasuo ; Raj, A. ; Agnihotri, V. K. ; Anupama, G. C. ; Kumar, Brajesh ; Anche, Ramya M. Bhalerao, Varun ; Bisht, D. ; Bisht, M. S. ; Belwal, K. ; Chakrabarti, S. K. ; Fujii, Mitsugu ; Nagayama, Takahiro ; Matsumoto, Katsura ; Hamada, Taisei ; Kawabata, Miho ; Kumar, Amit ; Kumar, Ravi ; Malkan, Brian K. ; Smith, Paul ; Sakagami, Yuta ; Taguchi, Kenta ; ; Watanabe, Arata Tominaga, Nozomu "Unravelling the Asphericities in the Explosion and Multifaceted Circumstellar Matter of SN 2023ixf" ,2024, *The Astrophysical Journal*, **Volume 975**, Issue 1, id.132, 24 pp.
146. Zhang, Lulu ; García-Bernete, Ismael ; Packham, Chris ; Donnan, Fergus R. ; Rigopoulou, Dimitra ; Hicks, Erin K. S. ; Davies, Ric I. ; Shimizu, Taro T. ; Alonso-Herrero, Almudena ; Ramos Almeida, Cristina ; Pereira-Santaella, Miguel ; Ricci, Claudio ; Bunker, Andrew J. ; Leist, Mason T. ; Rosario, David J. ; García-Burillo, Santiago ; Hermosa Muñoz, Laura ; Combes, Francoise ; Imanishi, Masatoshi ; Labiano, Alvaro ; Esparza-Arredondo, Donaji ; Bellocchi, Enrica ; Audibert, Anelise ; Fuller, Lindsay ; González-Martín, Omaira ; Hönig, Sebastian ; Izumi, Takuma ; Levenson, Nancy A. ; López-Rodríguez, Enrique ; Rouan, Daniel ; Stalevski, Marko ; Ward, Martin J. "Polycyclic Aromatic Hydrocarbon Emission in the Central Regions of Three Seyferts and the Implication for Underlying Feedback Mechanisms" ,2024, *The Astrophysical Journal Letters*, **Volume 975**, Issue 1, id.L2, 17 pp.
147. Hagen, Scott ; Done, Chris ; Silverman, John D. ; Li, Junyao ; Liu, Teng ; Ren, Wenke ; Buchner, Johannes ; Merloni, Andrea ; Nagao, Tohru ; Salvato, Mara "Systematic collapse of the accretion disc across the supermassive black hole population" ,2024, *Monthly Notices of the Royal Astronomical Society*, **Volume 534**, Issue 3, pp.2803-2818
148. Cala, Roldán A. ; Gómez, José F. ; Miranda, Luis F. ; Imai, Hiroshi ; de Gregorio-Monsalvo, Itziar ; Placinta Mitrea, Florin ; Osorio, Mayra ; Anglada, Guillem "An interferometric search for SiO maser emission in planetary nebulae" ,2024, *Astronomy & Astrophysics*, **Volume 692**, id.A24, 14 pp.
149. Toba, Yoshiki ; Masu, Keito ; Ota, Naomi ; Gao, Zhen-Kai ; Imanishi, Masatoshi ; Yanagawa, Anri ; Yamada, Satoshi ; Dosaka, Itsuki ; Kakimoto, Takumi ; Kobayashi, Seira ; Kurokawa, Neiro ; Oki, Aika ; Soga, Sorami ; Shibata, Kohei ; Takeuchi, Sayaka ; Tsujita, Yukana ; Nagao, Tohru ; Tanaka, Masayuki ; Ueda, Yoshihiro ; Wang, Wei-Hao "Discovery of a hyperluminous quasar at $z = 1.62$ with Eddington ratio >3 in the eFEDS field confirmed by KOOLS-IFU on Seimei Telescope" ,2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 6, pp.1173-1180
150. Tampo, Yusuke ; Kato, Taichi ; Isogai, Keisuke ; Kimura, Mariko ; Kojiguchi, Naoto ; Nogami, Daisaku ; Ito, Junpei ; Shibata, Masaaki ; Yamanaka, Masayuki ; Taguchi, Kenta ; Maehara, Hiroyuki ; Itoh, Hiroshi ; Matsumoto, Katsura ; Nakagawa, Momoka ; Nishida, Yukitaka ; Dvorak, Shawn ; Murata, Katsuhiro L. ; Hosokawa, Ryohei ; Imai, Yuri ; Ito, Naohiro ; Niwano, Masafumi ; Sato, Shota ; Noto, Ryotaro ; Yamaguchi, Ryodai ; Schramm, Malte ; Oasa, Yumiko ; Kanai, Takahiro ; Sasaki, Yu ; Tordai, Tamás ; Vanmunster, Tonny ; Kiyota, Seiichiro ; Katysheva, Nataly ; Shugarov,

Sergey Yu ; Zubareva, Alexandra M. ; Antipin, Sergei ; Ikonnikova, Natalia ; Belinski, Alexandr ; Dubovsky, Pavol A. ; Medulka, Tomáš ; Takahashi, Jun ; Takayama, Masaki ; Ohshima, Tomohito ; Saito, Tomoki ; Tozuka, Miyako ; Sako, Shigeyuki ; Tanaka, Masaomi ; Tominaga, Nozomu ; Horiuchi, Takashi ; Hanayama, Hidekazu ; Reichart, Daniel E. ; Kouprianov, Vladimir V. ; Davidson, James W., Jr. ; Caton, Daniel B. ; Romanov, Filipp D. ; Lane, David J. ; Hambusch, Franz-Josef ; Narita, Norio ; Fukui, Akihiko ; Ikoma, Masahiro ; Tamura, Motohide ; Kawabata, Koji S. ; Nakaoka, Tatsuya ; Imazawa, Ryo "MASTER OT J030227.28+191754.5: An unprecedentedly energetic dwarf nova outburst" ,2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 6, pp.1228-1245

- 151.Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz-Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul

; Porter, Frederick Scott ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G. ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Agarwal, Manan ; Ohshiro, Yuken ; "The XRISM first-light observation: Velocity structure and thermal properties of the supernova remnant N 132D" ,2024, *Publications of the Astronomical Society of Japan*, **Volume 76**, Issue 6, pp.1186-1201

- 152.Baba, Junichi ; Tsujimoto, Takuji ; Saitoh, Takayuki R. "Solar system migration points to a renewed concept: Galactic habitable orbits" ,2024, *The Astrophysical Journal*, **Volume 976**, Issue 2, id.L29, 10 pp.

- 153.Kudoh, Yuki ; Wada, Keiichi ; Kawakatu, Nozomu ; Nomura, Mariko "Multiphase Gas Nature in the Sub-parsec Region of the Active Galactic Nuclei. III. Eddington Ratio Dependence on the Structures of Dusty and Dust-free Outflows" ,2024, *The Astrophysical Journal*, **Volume 977**, Issue 1, id.48, 14 pp.

- 154.Choi, Youngwoo ; Kwon, Woojin ; Pattle, Kate ; Arzoumanian, Doris ; Bourke, Tyler L. ; Hoang, Thiem ; Hwang, Jihye ; Koch, Patrick M. ; Sadavoy, Sarah ; Bastien, Pierre ; Furuya, Ray ; Lai, Shih-Ping ; Qiu, Keping ; Ward-Thompson, Derek ; Berry, David ; Byun, Do-Young ; Chen, Huei-Ru Vivien ; Chen, Wen Ping ; Chen, Mike ; Chen, Zhiwei ; Ching, Tao-Chung ; Cho, Jungyeon ; Choi, Minho ; Choi, Yunhee ; Coudé, Simon ; Chrysostomou, Antonio ; Chung, Eun Jung ; Dai, Sophia ; Debattista, Victor ; Di Francesco, James ; Diep, Pham Ngoc ; Doi, Yasuo ; Duan, Hao-Yuan ; Duan, Yan ; Eswaraiah, Chakali ; Fanciullo, Lapo ; Fiege,

Jason ; Fissel, Laura M. ; Franzmann, Erica ; Friberg, Per ; Friesen, Rachel ; Fuller, Gary ; Gledhill, Tim ; Graves, Sarah ; Greaves, Jane ; Griffin, Matt ; Gu, Qilao ; Han, Ilseung ; Hasegawa, Tetsuo ; Houde, Martin ; Hull, Charles L. H. ; Inoue, Tsuyoshi ; Inutsuka, Shu-ichiro ; Iwasaki, Kazunari ; Jeong, Il-Gyo ; Johnstone, Doug ; Karoly, Janik ; Könyves, Vera ; Kang, Ji-hyun ; Kang, Miju ; Kataoka, Akimasa ; Kawabata, Koji ; Kemper, Francisca ; Kim, Jongsoo ; Kim, Shinyoung ; Kim, Gwanjeong ; Kim, Kyoung Hee ; Kim, Mi-Ryang ; Kim, Kee-Tae ; Kim, Hyosung ; Kirchschlager, Florian ; Kirk, Jason ; Kobayashi, Masato I. N. ; Kusune, Takayoshi ; Kwon, Jungmi ; Lacaille, Kevin ; Law, Chi-Yan ; Lee, Chang Won ; Lee, Hyeseung ; Lee, Chin-Fei ; Lee, Jeong-Eun ; Lee, Sang-Sung ; Li, Dalei ; Li, Di ; Li, Guangxing ; Li, Hua-bai ; Lin, Sheng-Jun ; Liu, Hong-Li ; Liu, Tie ; Liu, Sheng-Yuan ; Liu, Junhao ; Longmore, Steven ; Lu, Xing ; Lyo, A. -Ran ; Mairs, Steve ; Matsumura, Masafumi ; Matthews, Brenda ; Moriarty-Schieven, Gerald ; Nagata, Tetsuya ; Nakamura, Fumitaka ; Nakanishi, Hiroyuki ; Ngoc, Nguyen Bich ; Ohashi, Nagayoshi ; Onaka, Takashi ; Park, Geumsook ; Parsons, Harriet ; Peretto, Nicolas ; Priestley, Felix ; Pyo, Tae-Soo ; Qian, Lei ; Rao, Ramprasad ; Rawlings, Jonathan ; Rawlings, Mark ; Retter, Brendan ; Richer, John ; Rigby, Andrew ; Saito, Hiro ; Savini, Giorgio ; Seta, Masumichi ; Sharma, Ekta ; Shimajiri, Yoshito ; Shinnaga, Hiroko ; Soam, Archana ; Tahani, Mehrnoosh ; Tamura, Motohide ; Tang, Ya-Wen ; Tang, Xindi ; Tomisaka, Kohji ; Tram, Le Ngoc ; Tsukamoto, Yusuke ; Viti, Serena ; Wang, Hongchi ; Wang, Jia-Wei ; Whitworth, Anthony ; Wu, Jintai ; Xie, Jinjin ; Yang, Meng-Zhe ; Yen, Hsi-Wei ; Yoo, Hyunju ; Yuan, Jinghua ; Yun, Hyeong-Sik ; Zenko, Tetsuya ; Zhang, Guoyin ; Zhang, Yapeng ; Zhang, Chuan-Peng ; Zhou, Jianjun ; Zhu, Lei ; de Looze, Ilse ; André, Philippe ; Dowell, C. Darren ; Eden, David ; Eyres, Stewart ; Falle, Sam ; Le Gouellec, Valentin J. M. ; Poidevin, Frédérick ; van Loo, Sven "The JCMT BISTRO Survey: The Magnetic Fields of the IC 348 Star-forming Region", 2024, *The Astrophysical Journal*, **Volume 977**, Issue 1, id.32, 17 pp.

155. Wu, Jintai ; Qiu, Keping ; Poidevin, Frédérick ; Bastien, Pierre ; Liu, Junhao ; Ching, Tao-Chung ; Bourke, Tyler L. ; Ward-Thompson, Derek ; Pattle, Kate ; Johnstone, Doug ; Koch, Patrick M. ; Arzoumanian, Doris ; Lee,

Chang Won ; Fanciullo, Lapo ; Onaka, Takashi ; Hwang, Jihye ; Le Gouellec, Valentin J. M. ; Soam, Archana ; Tamura, Motohide ; Tahani, Mehrnoosh ; Eswaraiah, Chakali ; Li, Hua-Bai ; Berry, David ; Furuya, Ray S. ; Coudé, Simon ; Kwon, Woojin ; Lin, Sheng-Jun ; Wang, Jia-Wei ; Hasegawa, Tetsuo ; Lai, Shih-Ping ; Byun, Do-Young ; Chen, Zhiwei ; Chen, Huei-Ru Vivien ; Chen, Wen Ping ; Chen, Mike ; Cho, Jungyeon ; Choi, Youngwoo ; Choi, Yunhee ; Choi, Minho ; Chrysostomou, Antonio ; Chung, Eun Jung ; Dai, Sophia ; Di Francesco, James ; Diep, Pham Ngoc ; Doi, Yasuo ; Duan, Hao-Yuan ; Duan, Yan ; Eden, David ; Fiege, Jason ; Fissel, Laura M. ; Franzmann, Erica ; Friberg, Per ; Friesen, Rachel ; Fuller, Gary ; Gledhill, Tim ; Graves, Sarah ; Greaves, Jane ; Griffin, Matt ; Gu, Qilao ; Han, Ilseung ; Hayashi, Saeko ; Hoang, Thiem ; Houde, Martin ; Inoue, Tsuyoshi ; Inutsuka, Shu-ichiro ; Iwasaki, Kazunari ; Jeong, Il-Gyo ; Könyves, Vera ; Kang, Ji-hyun ; Kang, Miju ; Karoly, Janik ; Kataoka, Akimasa ; Kawabata, Koji ; Kim, Shinyoung ; Kim, Mi-Ryang ; Kim, Kyoung Hee ; Kim, Kee-Tae ; Kim, Jongsoo ; Kim, Hyosung ; Kim, Gwanjeong ; Kirchschlager, Florian ; Kirk, Jason ; Kobayashi, Masato I. N. ; Kusune, Takayoshi ; Kwon, Jungmi ; Lacaille, Kevin ; Law, Chi-Yan ; Lee, Hyeseung ; Lee, Chin-Fei ; Lee, Sang-Sung ; Lee, Jeong-Eun ; Li, Dalei ; Li, Di ; Li, Guangxing ; Liu, Sheng-Yuan ; Liu, Tie ; Liu, Hong-Li ; Lu, Xing ; Lyo, A. -Ran ; Mairs, Steve ; Matsumura, Masafumi ; Matthews, Brenda ; Moriarty-Schieven, Gerald ; Nagata, Tetsuya ; Nakamura, Fumitaka ; Nakanishi, Hiroyuki ; Ngoc, Nguyen Bich ; Ohashi, Nagayoshi ; Park, Geumsook ; Parsons, Harriet ; Peretto, Nicolas ; Priestley, Felix ; Pyo, Tae-Soo ; Qian, Lei ; Rao, Ramprasad ; Rawlings, Jonathan ; Rawlings, Mark ; Retter, Brendan ; Richer, John ; Rigby, Andrew ; Sadavoy, Sarah ; Saito, Hiro ; Savini, Giorgio ; Seta, Masumichi ; Sharma, Ekta ; Shimajiri, Yoshito ; Shinnaga, Hiroko ; Tang, Ya-Wen ; Tang, Xindi ; Thuong, Hoang Duc ; Tomisaka, Kohji ; Tram, Le Ngoc ; Tsukamoto, Yusuke ; Viti, Serena ; Wang, Hongchi ; Whitworth, Anthony ; Xie, Jinjin ; Yang, Meng-Zhe ; Yen, Hsi-Wei ; Yoo, Hyunju ; Yuan, Jinghua ; Yun, Hyeong-Sik ; Zenko, Tetsuya ; Zhang, Guoyin ; Zhang, Chuan-Peng ; Zhang, Yapeng ; Zhou, Jianjun ; Zhu, Lei ; Looze, Ilse de ; André, Philippe ; Dowell, C. Darren ; Eyres, Stewart ; Falle, Sam ; Robitaille, Jean-François ; van Loo, Sven "A Tale of

Three: Magnetic Fields along the Orion Integral-shaped Filament as Revealed by the JCMT BISTRO Survey", 2024, *The Astrophysical Journal*, **Volume 977**, Issue 2, id.L31, 14 pp.

- 156.Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Díaz Trigo, María ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ;

Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Tomaru, Ryota ; Hayashi, Tasuku ; Hakamata, Tomohiro ; Miura, Daiki ; Koljonen, Karri ; McCollough, Mike "The XRISM/Resolve View of the Fe K Region of Cyg X-3", 2024, *The Astrophysical Journal*, **Volume 977**, Issue 2, id.L34, 13 pp.

- 157.Esparza-Arredondo, D. ; Ramos Almeida, C. ; Audibert, A. ; Pereira-Santaella, M. ; García-Bernete, I. ; García-Burillo, S. ; Shimizu, T. ; Davies, R. ; Hermosa Muñoz, L. ; Alonso-Herrero, A. ; Combes, F. ; Speranza, G. ; Zhang, L. ; Campbell, S. ; Bellocchi, E. ; Bunker, A. J. ; Díaz-Santos, T. ; García-Lorenzo, B. ; González-Martín, O. ; Hicks, E. K. S. ; Labiano, A. ; Levenson, N. A. ; Ricci, C. ; Rosario, D. ; Hoenig, S. ; Packham, C. ; Stalevski, M. ; Fuller, L. ; Izumi, T. ; López-Rodríguez, E. ; Rigopoulou, D. ; Rouan, D. ; Ward, M. "Molecular gas stratification and disturbed kinematics in the Seyfert galaxy MCG-05-23-16 revealed by JWST and ALMA", 2025, *Astronomy & Astrophysics*, **Volume 693**, id.A174, 18 pp.
- 158.Yamamoto, Yuta ; Nagao, Tohru ; Yamashita, Takuji ; Uchiyama, Hisakazu ; Kubo, Mariko ; Toba, Yoshiki ; Harikane, Yuichi ; Ichikawa, Kohei ; Kajisawa, Masaru ; Noboriguchi, Akatoki ; Ono, Yoshiaki ; Kawaguchi, Toshihiro "A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). X. The Massive and Passive Nature of Radio Galaxies at $z \sim 4$ ", 2025, *The Astrophysical Journal*, **Volume 978**, Issue 1, id.102, 14 pp.
- 159.Chen, Xiaoyang ; Akiyama, Masayuki ; Ichikawa, Kohei ; Toba, Yoshiki ; Kawaguchi, Toshihiro ; Izumi, Takuma ; Saito, Toshiki ; Iono, Daisuke ; Imanishi, Masatoshi ; Lee, Kianhong ; Nagai, Hiroshi ; Noda, Hirofumi ; Abdurro'uf ; Kokubo, Mitsuru ; Matsumoto, Naoki "Implication of Galaxy-scale Negative Feedback by One of the Most Powerful Multiphase Outflows in a Hyperluminous Infrared Galaxy at Intermediate Redshift", 2025, *The Astrophysical Journal*, **Volume 979**, Issue 1, id.32, 30 pp.

160. Khouri, T. ; Tafoya, D. ; Vlemmings, W. H. T. ; Olofsson, H. ; Sánchez Contreras, C. ; Alcolea, J. ; Gómez, J. F. ; Velilla-Prieto, L. ; Sahai, R. ; Santander-García, M. ; Bujarrabal, V. ; Karakas, A. ; Saberi, M. ; Gallardo Cava, I. ; Imai, H. ; Pérez-Sánchez, A. F. "ALMA observations of CO isotopologues towards six obscured post-asymptotic giant branch stars" ,2025, *Astronomy & Astrophysics*, **Volume 694**, id.A222, 18 pp.
161. Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick Scott ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Trigo, María Díaz ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G. ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko Y. ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Kondo, Marie ; Werner, Norbert ; Plšek, Tomáš ; Sun, Ming ; Hosogi, Kokoro ; Majumder, Anwesh "The bulk motion of gas in the core of the Centaurus galaxy cluster" ,2025, *Nature*, **Volume 638**, Issue 8050, pp. 365-369
162. Ohashi, Satoshi ; Muto, Takayuki ; Tsukamoto, Yusuke ; Kataoka, Akimasa ; Tsukagoshi, Takashi ; Momose, Munetake ; Fukagawa, Misato ; Sakai, Nami "Observationally derived magnetic field strength and 3D components in the HD 142527 disk" ,2025, *Nature Astronomy*, **Volume 9**, p. 526-534
163. Ishii, Nozomi ; Hashimoto, Takuya ; Ferkinhoff, Carl ; Rybak, Matus ; Inoue, Akio K. ; Michiyama, Tomonari ; Donevski, Darko ; Fujimoto, Seiji ; Salak, Dragan ; Kuno, Nario ; Matsuo, Hiroshi ; Mawatari, Ken ; Tamura, Yoichi ; Izumi, Takuma ; Nagao, Tohru ; Nakazato, Yurina ; Osone, Wataru ; Sugahara, Yuma ; Usui, Mitsutaka ; Wakasugi, Koki ; Yajima, Hidenobu ; Bakx, Tom J. L. C. ; Fudamoto, Yoshinobu ; Meyer, Romain A. ; Walter, Fabian ; Yoshida, Naoki "Detection of the [O I] 63 μm emission line from the $z = 6.04$ quasar J2054-0005" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 1, pp.139-148
164. XRISM Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz-Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi,

Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanemaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D ; Miller, Jon M ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Scott Porter, Frederick ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Wang, Q Daniel ; Amano, Yuki ; Tanaka, Kojiro ; Narita, Takuto ; Ohshiro, Yuken ; Yoshimoto, Anje ; Aoki, Yuma ; Balakrishnan, Mayura "Overionized plasma in the supernova remnant Sagittarius A East anchored by XRISM observations" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 1, pp. L1-L8, 8 pp.

165. Fukihara, Haruka ; Takaishi, Daisuke ; Misugi, Yoshiaki ; Sasaki, Megumi ; Tsukamoto, Yusuke "A statistical approach for interpreting polarized dust emission of the filamentary molecular clouds toward the estimate

of 3D magnetic field structure" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 2, Pages 277–287

166. Iwamoto, Ryo ; Matsuoka, Yoshiki ; Imanishi, Masatoshi ; Iwasawa, Kazushi ; Izumi, Takuma ; Kashikawa, Nobunari ; Kawaguchi, Toshihiro ; Sawamura, Mahoshi ; Strauss, Michael A. ; Takahashi, Ayumi ; Toba, Yoshiki "Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XXI. Candidate Red Quasars at $z \geq 6$ from Near-infrared Photometry" ,2025, *The Astrophysical Journal*, **Volume 979**, Issue 2, id.183, 11 pp.
167. Sawamura, Mahoshi ; Izumi, Takuma ; Nakanishi, Kouichiro ; Okuda, Takeshi ; Strauss, Michael A. ; Imanishi, Masatoshi ; Matsuoka, Yoshiki ; Toba, Yoshiki ; Umehata, Hideki ; Hashimoto, Takuya ; Baba, Shunsuke ; Goto, Tomotsugu ; Kawaguchi, Toshihiro ; Kohno, Kotaro ; Salak, Dragan ; Kawamuro, Taiki ; Iwasawa, Kazushi ; Onoue, Masafusa ; Lee, Chien-Hsiu ; Lee, Kianhong "No Galaxy-scale [C II] Fast Outflow in the $z = 6.72$ Red Quasar HSC J1205–0000" ,2025, *The Astrophysical Journal*, **Volume 980**, Issue 1, id.121, 11 pp.
168. Fuller, Lindsay ; Lopez-Rodriguez, Enrique ; García-Bernete, Ismael ; Ramos Almeida, Cristina ; Alonso-Herrero, Almudena ; Packham, Chris ; Zhang, Lulu ; Leist, Mason ; Levenson, Nancy A. ; Imanishi, Masatoshi ; Hoenig, Sebastian ; Stalevski, Marko ; Ricci, Claudio ; Hicks, Erin ; Bellocchi, Enrica ; Combes, Francoise ; Davies, Ric ; García Burillo, Santiago ; González Martín, Omaira ; Izumi, Takuma ; Labiano, Alvaro ; Pereira Santaella, Miguel ; Rigopoulou, Dimitra ; Rosario, David ; Rouan, Daniel ; Shimizu, Taro ; Ward, Martin "The Galaxy Activity, Torus, and Outflow Survey (GATOS). VII. The 20 — 214 μ m Imaging Atlas of Active Galactic Nuclei Using SOFIA" ,2025, *The Astrophysical Journal Supplement Series*, **Volume 276**, Issue 2, id.64, 24 pp.
169. Euclid Collaboration ; Mellier, Y. ; Abdurro'uf ; Acevedo Barroso, J. A. ; Achúcarro, A. ; Adamek, J. ; Adam, R. ; Addison, G. E. ; Aghanim, N. ; Agüena, M. ; Ajani, V. ; Akrami, Y. ; Al-Bahlawan, A. ; Alavi, A. ; Albuquerque, I. S. ; Alestas, G. ; Alguero, G. ; Allaoui, A. ; Allen, S. W. ; Allevato, V. ; Alonso-Tetilla, A. V. ; Altieri, B. ; Alvarez-

Candal, A. ; Alvi, S. ; Amara, A. ; Amendola, L. ; Amiaux, J. ; Andika, I. T. ; Andreon, S. ; Andrews, A. ; Angora, G. ; Angulo, R. E. ; Annibali, F. ; Anselmi, A. ; Anselmi, S. ; Arcari, S. ; Archidiacono, M. ; Aricò, G. ; Arnaud, M. ; Arnouts, S. ; Asgari, M. ; Asorey, J. ; Atayde, L. ; Atek, H. ; Atrio-Barandela, F. ; Aubert, M. ; Aubourg, E. ; Auphan, T. ; Auricchio, N. ; Aussel, B. ; Aussel, H. ; Avelino, P. P. ; Avgoustidis, A. ; Avila, S. ; Awan, S. ; Azzollini, R. ; Baccigalupi, C. ; Bachelet, E. ; Bacon, D. ; Baes, M. ; Bagley, M. B. ; Bahr-Kalus, B. ; Balaguera-Antolinez, A. ; Balbinot, E. ; Balcells, M. ; Baldi, M. ; Baldry, I. ; Balestra, A. ; Ballardini, M. ; Ballester, O. ; Balogh, M. ; Bañados, E. ; Barbier, R. ; Bardelli, S. ; Baron, M. ; Barreiro, T. ; Barrera, R. ; Barriere, J.-C. ; Barros, B. J. ; Barthelemy, A. ; Bartolo, N. ; Basset, A. ; Battaglia, P. ; Battisti, A. J. ; Baugh, C. M. ; Baumont, L. ; Bazzanini, L. ; Beaulieu, J.-P. ; Beckmann, V. ; Belikov, A. N. ; Bel, J. ; Bellagamba, F. ; Bella, M. ; Bellini, E. ; Benabed, K. ; Bender, R. ; Benevento, G. ; Bennett, C. L. ; Benson, K. ; Bergamini, P. ; Bermejo-Climent, J. R. ; Bernardeau, F. ; Bertacca, D. ; Berthe, M. ; Berthier, J. ; Bethermin, M. ; Beutler, F. ; Bevilion, C. ; Bhargava, S. ; Bhatawdekar, R. ; Bianchi, D. ; Bisigello, L. ; Biviano, A. ; Blake, R. P. ; Blanchard, A. ; Blazek, J. ; Blot, L. ; Bosco, A. ; Bodendorf, C. ; Boenke, T. ; Böhringer, H. ; Boldrini, P. ; Bolzonella, M. ; Bonchi, A. ; Bonici, M. ; Bonino, D. ; Bonino, L. ; Bonvin, C. ; Bon, W. ; Booth, J. T. ; Borgani, S. ; Borlaff, A. S. ; Borsato, E. ; Bose, B. ; Botticella, M. T. ; Boucaud, A. ; Bouche, F. ; Boucher, J. S. ; Boutigny, D. ; Bouvard, T. ; Bouwens, R. ; Bouy, H. ; Bowler, R. A. A. ; Bozza, V. ; Bozzo, E. ; Branchini, E. ; Brando, G. ; Brau-Nogue, S. ; Brekke, P. ; Bremer, M. N. ; Brescia, M. ; Breton, M.-A. ; Brinchmann, J. ; Brinckmann, T. ; Brockley-Blatt, C. ; Brodwin, M. ; Brouard, L. ; Brown, M. L. ; Bruton, S. ; Bucko, J. ; Buddelmeijer, H. ; Buenadicha, G. ; Buitrago, F. ; Burger, P. ; Burigana, C. ; Busillo, V. ; Busonero, D. ; Cabanac, R. ; Cabayol-Garcia, L. ; Cagliari, M. S. ; Caillat, A. ; Caillat, L. ; Calabrese, M. ; Calabro, A. ; Calderone, G. ; Calura, F. ; Camacho Quevedo, B. ; Camera, S. ; Campos, L. ; Cañas-Herrera, G. ; Candini, G. P. ; Cantiello, M. ; Capobianco, V. ; Cappellaro, E. ; Cappelluti, N. ; Cappi, A. ; Caputi, K. I. ; Cara, C. ; Carbone, C. ; Cardone, V. F. ; Carella, E. ; Carlberg, R. G. ; Carle, M. ; Carminati, L. ; Caro, F. ; Carrasco, J. M. ; Carretero, J. ; Carrilho, P. ; Carron Duque, J. ; Carry, B. ; Carvalho, A. ; Carvalho, C. S. ; Casas, R. ; Casas, S. ; Casenove, P. ; Casey, C. M. ;

Cassata, P. ; Castander, F. J. ; Castela, D. ; Castellano, M. ; Castiblanco, L. ; Castignani, G. ; Castro, T. ; Cavet, C. ; Cavuoti, S. ; Chabaud, P.-Y. ; Chambers, K. C. ; Charles, Y. ; Charlot, S. ; Chartab, N. ; Chary, R. ; Chaumeil, F. ; Cho, H. ; Chon, G. ; Ciacetta, E. ; Cilieg, P. ; Cimatti, A. ; Cimino, M. ; Cioni, M.-R. L. ; Claydon, R. ; Cleland, C. ; Clément, B. ; Clements, D. L. ; Clerc, N. ; Clesse, S. ; Codis, S. ; Cogato, F. ; Colbert, J. ; Cole, R. E. ; Coles, P. ; Collett, T. E. ; Collins, R. S. ; Colodro-Conde, C. ; Colombo, C. ; Combes, F. ; Conforti, V. ; Congedo, G. ; Conseil, S. ; Conselice, C. J. ; Contarini, S. ; Contini, T. ; Conversi, L. ; Cooray, A. R. ; Copin, Y. ; Corasaniti, P.-S. ; Corcho-Caballero, P. ; Corcione, L. ; Cordes, O. ; Corpacci, O. ; Correnti, M. ; Costanzi, M. ; Costille, A. ; Courbin, F. ; Courcoult Mifsud, L. ; Courtois, H. M. ; Cousinou, M.-C. ; Covone, G. ; Cowell, T. ; Cragg, C. ; Cresci, G. ; Cristiani, S. ; Crocce, M. ; Cropper, M. ; Crouzet, P. E. ; Csizi, B. ; Cuby, J.-G. ; Cucchetti, E. ; Cucciati, O. ; Cuillandre, J.-C. ; Cunha, P. A. C. ; Cuozzo, V. ; Daddi, E. ; D'Addona, M. ; D'Amico, G. ; D'Amico, G. ; Dannerbauer, H. ; Danto, P. ; Das, I. ; Da Silva, A. ; da Silva, R. ; d'Assignies Doumerg, W. ; Daste, G. ; Davies, J. E. ; Davini, S. ; Dayal, P. ; de Boer, T. ; Decarli, R. ; De Caro, B. ; Degaudenzi, H. ; Degni, G. ; de Jong, J. T. A. ; de la Bella, L. F. ; de la Torre, S. ; Delhaese, F. ; Delley, D. ; Delucchi, G. ; De Lucia, G. ; Denniston, J. ; De Paolis, F. ; De Petris, M. ; Derosa, A. ; Desai, S. ; Desjacques, V. ; Despali, G. ; Desprez, G. ; De Vicente-Albendea, J. ; Deville, Y. ; Dias, J. D. F. ; Díaz-Sánchez, A. ; Díaz, J. J. ; Di Domizio, S. ; Diego, J. M. ; Di Ferdinando, D. ; Di Giorgio, A. M. ; Dimauro, P. ; Dinis, J. ; Dolag, K. ; Dolding, C. ; Dole, H. ; Domínguez Sánchez, H. ; Doré, O. ; Dournac, F. ; Douspis, M. ; Dreihahn, H. ; Droge, B. ; Dryer, B. ; Dubath, F. ; Duc, P.-A. ; Ducret, F. ; Duffy, C. ; Dufresne, F. ; Duncan, C. A. J. ; Dupac, X. ; Durret, V. ; Durrer, R. ; Durret, F. ; Dusini, S. ; Ealet, A. ; Eggemeier, A. ; Eisenhardt, P. R. M. ; Elbaz, D. ; Elkhatab, M. Y. ; Ellien, A. ; Endicott, J. ; Enia, A. ; Erben, T. ; Escartin Vigo, J. A. ; Escoffier, S. ; Escudero Sanz, I. ; Essert, J. ; Etori, S. ; Ezziati, M. ; Fabbian, G. ; Fabricius, M. ; Fang, Y. ; Farina, A. ; Farina, M. ; Farinelli, R. ; Farrens, S. ; Faustini, F. ; Feltre, A. ; Ferguson, A. M. N. ; Ferrando, P. ; Ferrari, A. G. ; Ferré-Mateu, A. ; Ferreira, P. G. ; Ferreras, I. ; Ferrero, I. ; Ferriol, S. ; Ferruit, P. ; Filleul, D. ; Finelli, F. ; Finkelstein, S. L. ; Finoguenov, A. ; Fiorini, B. ; Flentge,

F. ; Focardi, P. ; Fonseca, J. ; Fontana, A. ; Fontanot, F. ; Fornari, F. ; Fosalba, P. ; Fossati, M. ; Fotopoulou, S. ; Fouchez, D. ; Fourmanoit, N. ; Frailis, M. ; Fraix-Burnet, D. ; Franceschi, E. ; Franco, A. ; Franzetti, P. ; Freihoefer, J. ; Frenk, C. S. ; Frittoli, G. ; Frugier, P.-A. ; Frusciante, N. ; Fumagalli, A. ; Fumagalli, M. ; Fumana, M. ; Fu, Y. ; Gabarra, L. ; Galeotta, S. ; Galluccio, L. ; Ganga, K. ; Gao, H. ; García-Bellido, J. ; Garcia, K. ; Gardner, J. P. ; Garilli, B. ; Gaspar-Venancio, L.-M. ; Gasparetto, T. ; Gautard, V. ; Gavazzi, R. ; Gaztanaga, E. ; Genolet, L. ; Genova Santos, R. ; Gentile, F. ; George, K. ; Gerbino, M. ; Ghaffari, Z. ; Giacomini, F. ; Gianotti, F. ; Gibb, G. P. S. ; Gillard, W. ; Gillis, B. ; Ginolfi, M. ; Giocoli, C. ; Girardi, M. ; Giri, S. K. ; Goh, L. W. K. ; Gómez-Alvarez, P. ; Gonzalez-Perez, V. ; Gonzalez, A. H. ; Gonzalez, E. J. ; Gonzalez, J. C. ; Gouyou Beauchamps, S. ; Gozaliasl, G. ; Gracia-Carpio, J. ; Grandis, S. ; Granett, B. R. ; Granvik, M. ; Grazian, A. ; Gregorio, A. ; Grenet, C. ; Grillo, C. ; Grupp, F. ; Gruppioni, C. ; Gruppuso, A. ; Guerbuez, C. ; Guerrini, S. ; Guidi, M. ; Guillard, P. ; Gutierrez, C. M. ; Guttridge, P. ; Guzzo, L. ; Gwyn, S. ; Haapala, J. ; Haase, J. ; Haddow, C. R. ; Hailey, M. ; Hall, A. ; Hall, D. ; Hamaus, N. ; Haridasu, B. S. ; Harnois-Déraps, J. ; Harper, C. ; Hartley, W. G. ; Hasinger, G. ; Hassani, F. ; Hatch, N. A. ; Haugan, S. V. H. ; Häußler, B. ; Heavens, A. ; Heisenberg, L. ; Helmi, A. ; Helou, G. ; Hemmati, S. ; Henares, K. ; Herent, O. ; Hernández-Monteagudo, C. ; Heuberger, T. ; Hewett, P. C. ; Heydenreich, S. ; Hildebrandt, H. ; Hirschmann, M. ; Hjorth, J. ; Hoar, J. ; Hoekstra, H. ; Holland, A. D. ; Holliman, M. S. ; Holmes, W. ; Hook, I. ; Horeau, B. ; Hormuth, F. ; Hornstrup, A. ; Hosseini, S. ; Hu, D. ; Hudelot, P. ; Hudson, M. J. ; Huertas-Company, M. ; Huff, E. M. ; Hughes, A. C. N. ; Humphrey, A. ; Hunt, L. K. ; Huynh, D. D. ; Ibata, R. ; Ichikawa, K. ; Iglesias-Groth, S. ; Ilbert, O. ; Ilić, S. ; Ingoglia, L. ; Iodice, E. ; Israel, H. ; Israelsson, U. E. ; Izzo, L. ; Jablonka, P. ; Jackson, N. ; Jacobson, J. ; Jafariyazani, M. ; Jahnke, K. ; Jain, B. ; Jansen, H. ; Jarvis, M. J. ; Jasche, J. ; Jauzac, M. ; Jeffrey, N. ; Jhabvala, M. ; Jimenez-Teja, Y. ; Jimenez Muñoz, A. ; Joachimi, B. ; Johansson, P. H. ; Joudaki, S. ; Jullo, E. ; Kajava, J. J. E. ; Kang, Y. ; Kannawadi, A. ; Kansal, V. ; Karagiannis, D. ; Kärcher, M. ; Kashlinsky, A. ; Kazandjian, M. V. ; Keck, F. ; Keihänen, E. ; Kerins, E. ; Kermiche, S. ; Khalil, A. ; Kiessling, A. ; Kiiveri, K. ; Kilbinger, M. ; Kim, J. ; King, R. ; Kirkpatrick, C. C. ; Kitching, T. ; Kluge, M. ; Knabenhans, M. ; Knapen, J. H.

; Knebe, A. ; Kneib, J.-P. ; Kohley, R. ; Koopmans, L. V. E. ; Koskinen, H. ; Koulouridis, E. ; Kou, R. ; Kovács, A. ; Kovačić, I. ; Kowalczyk, A. ; Koyama, K. ; Kraljic, K. ; Krause, O. ; Kruk, S. ; Kubik, B. ; Kuchner, U. ; Kuijken, K. ; Kümmel, M. ; Kunz, M. ; Kurki-Suonio, H. ; Lacasa, F. ; Lacey, C. G. ; La Franca, F. ; Lagarde, N. ; Lahav, O. ; Laigle, C. ; La Marca, A. ; La Marle, O. ; Lamine, B. ; Lam, M. C. ; Lançon, A. ; Landt, H. ; Langer, M. ; Lapi, A. ; Larcheveque, C. ; Larsen, S. S. ; Lattanzi, M. ; Laudisio, F. ; Laugier, D. ; Laureijs, R. ; Laurent, V. ; Lavaux, G. ; Lawrenson, A. ; Lazanu, A. ; Lazeyras, T. ; Le Boulc'h, Q. ; Le Brun, A. M. C. ; Le Brun, V. ; Leclercq, F. ; Lee, S. ; Le Graet, J. ; Legrand, L. ; Leirvik, K. N. ; Le Jeune, M. ; Lembo, M. ; Le Mignant, D. ; Lepinzan, M. D. ; Lepori, F. ; Le Reun, A. ; Leroy, G. ; Lesci, G. F. ; Lesgourgues, J. ; Leuzzi, L. ; Levi, M. E. ; Liaudat, T. I. ; Libet, G. ; Liebing, P. ; Ligor, S. ; Lilje, P. B. ; Lin, C.-C. ; Linde, D. ; Linder, E. ; Lindholm, V. ; Linke, L. ; Li, S.-S. ; Liu, S. J. ; Lloro, I. ; Lobo, F. S. N. ; Lodieu, N. ; Lombardi, M. ; Lombriser, L. ; Lonare, P. ; Longo, G. ; López-Caniego, M. ; Lopez Lopez, X. ; Lorenzo Alvarez, J. ; Loureiro, A. ; Loveday, J. ; Lusso, E. ; Macias-Perez, J. ; Maciaszek, T. ; Maggio, G. ; Magliocchetti, M. ; Magnard, F. ; Magnier, E. A. ; Magro, A. ; Mahler, G. ; Mainetti, G. ; Maino, D. ; Maiorano, E. ; Malavasi, N. ; Mamon, G. A. ; Mancini, C. ; Mandelbaum, R. ; Manera, M. ; Manjón-García, A. ; Mannucci, F. ; Mansutti, O. ; Manteiga Outeiro, M. ; Maoli, R. ; Maraston, C. ; Marcin, S. ; Marcos-Arenal, P. ; Margalef-Bentabol, B. ; Marggraf, O. ; Marinucci, D. ; Marinucci, M. ; Markovic, K. ; Marleau, F. R. ; Marpaud, J. ; Martignac, J. ; Martín-Fleitas, J. ; Martin-Moruno, P. ; Martin, E. L. ; Martinelli, M. ; Martinet, N. ; Martin, H. ; Martins, C. J. A. P. ; Marulli, F. ; Massari, D. ; Massey, R. ; Masters, D. C. ; Matarrese, S. ; Matsuoka, Y. ; Matthew, S. ; Maughan, B. J. ; Mauri, N. ; Maurin, L. ; Maurogordato, S. ; McCarthy, K. ; McConnachie, A. W. ; McCracken, H. J. ; McDonald, I. ; McEwen, J. D. ; McPartland, C. J. R. ; Medinaceli, E. ; Mehta, V. ; Mei, S. ; Melchior, M. ; Melin, J.-B. ; Ménard, B. ; Mendes, J. ; Mendez-Abreu, J. ; Meneghetti, M. ; Mercurio, A. ; Merlin, E. ; Metcalf, R. B. ; Meylan, G. ; Migliaccio, M. ; Mignoli, M. ; Miller, L. ; Miluzio, M. ; Milvang-Jensen, B. ; Mimoso, J. P. ; Miquel, R. ; Miyatake, H. ; Mobasher, B. ; Mohr, J. J. ; Monaco, P. ; Monguió, M. ; Montoro, A. ; Mora, A. ; Moradinezhad Dizgah, A. ; Moresco, M. ; Moretti, C. ; Morgante, G. ; Morisset, N. ; Moriya, T. J. ;

Morris, P. W. ; Mortlock, D. J. ; Moscardini, L. ; Mota, D. F. ; Mottet, S. ; Moustakas, L. A. ; Moutard, T. ; Müller, T. ; Munari, E. ; Murphree, G. ; Murray, C. ; Murray, N. ; Musi, P. ; Nadathur, S. ; Nagam, B. C. ; Nagao, T. ; Naidoo, K. ; Nakajima, R. ; Nally, C. ; Natoli, P. ; Navarro-Alsina, A. ; Navarro Girones, D. ; Neissner, C. ; Nersesian, A. ; Nesseris, S. ; Nguyen-Kim, H. N. ; Nicastro, L. ; Nichol, R. C. ; Nielbock, M. ; Niemi, S.-M. ; Nieto, S. ; Nilsson, K. ; Noller, J. ; Norberg, P. ; Nouri-Zonoz, A. ; Ntelis, P. ; Nucita, A. A. ; Nugent, P. ; Nunes, N. J. ; Nutma, T. ; Ocampo, I. ; Odier, J. ; Oesch, P. A. ; Oguri, M. ; Magalhaes Oliveira, D. ; Onoue, M. ; Oosterbroek, T. ; Oppizzi, F. ; Ordenovic, C. ; Osato, K. ; Pacaud, F. ; Pace, F. ; Padilla, C. ; Paech, K. ; Pagano, L. ; Page, M. J. ; Palazzi, E. ; Paltani, S. ; Pamuk, S. ; Pandolfi, S. ; Paoletti, D. ; Paolillo, M. ; Papaderos, P. ; Pardede, K. ; Parimbelli, G. ; Parmar, A. ; Partmann, C. ; Pasian, F. ; Passalacqua, F. ; Paterson, K. ; Patrizii, L. ; Pattison, C. ; Paulino-Afonso, A. ; Paviot, R. ; Peacock, J. A. ; Pearce, F. R. ; Pedersen, K. ; Peel, A. ; Peletier, R. F. ; Pellejero Ibanez, M. ; Pello, R. ; Penny, M. T. ; Percival, W. J. ; Perez-Garrido, A. ; Perotto, L. ; Pettorino, V. ; Pezzotta, A. ; Pezzuto, S. ; Philippon, A. ; Pierre, M. ; Piersanti, O. ; Pietroni, M. ; Piga, L. ; Pilo, L. ; Pires, S. ; Pisani, A. ; Pizzella, A. ; Pizzuti, L. ; Plana, C. ; Polenta, G. ; Pollack, J. E. ; Poncet, M. ; Pöntinen, M. ; Pool, P. ; Popa, L. A. ; Popa, V. ; Popp, J. ; Porciani, C. ; Porth, L. ; Potter, D. ; Poulain, M. ; Poursidou, A. ; Pozzetti, L. ; Prandoni, I. ; Pratt, G. W. ; Prezelus, S. ; Prieto, E. ; Pugno, A. ; Quai, S. ; Quilley, L. ; Racca, G. D. ; Raccanelli, A. ; Rácz, G. ; Radinović, S. ; Radovich, M. ; Ragagnin, A. ; Ragnit, U. ; Raison, F. ; Ramos-Chernenko, N. ; Ranc, C. ; Rasera, Y. ; Raylet, N. ; Rebolo, R. ; Refregier, A. ; Reimberg, P. ; Reiprich, T. H. ; Renk, F. ; Renzi, A. ; Retre, J. ; Revaz, Y. ; Reylé, C. ; Reynolds, L. ; Rhodes, J. ; Ricci, F. ; Ricci, M. ; Riccio, G. ; Ricken, S. O. ; Rissanen, S. ; Risso, I. ; Rix, H.-W. ; Robin, A. C. ; Rocca-Volmerange, B. ; Rocci, P.-F. ; Rodenhuis, M. ; Rodighiero, G. ; Rodriguez Monroy, M. ; Rollins, R. P. ; Romanello, M. ; Roman, J. ; Romelli, E. ; Romero-Gomez, M. ; Roncarelli, M. ; Rosati, P. ; Rosset, C. ; Rossetti, E. ; Roster, W. ; Rottgering, H. J. A. ; Rozas-Fernández, A. ; Ruane, K. ; Rubino-Martin, J. A. ; Rudolph, A. ; Ruppin, F. ; Rusholme, B. ; Sacquegna, S. ; Sáez-Casares, I. ; Saga, S. ; Saglia, R. ; Sahlén, M. ; Saifollahi, T. ; Sakr, Z. ; Salvaggio, J. ; Salvaterra, R. ; Salvati, L. ; Salvato, M. ; Salvignol, J.-C. ; Sánchez, A. G. ;

Sanchez, E. ; Sanders, D. B. ; Sapone, D. ; Saponara, M. ; Sarpa, E. ; Sarron, F. ; Sartori, S. ; Sartoris, B. ; Sassolas, B. ; Saunier, L. ; Sauvage, M. ; Sawicki, M. ; Scaramella, R. ; Scarlata, C. ; Scharré, L. ; Schaye, J. ; Schewtschenko, J. A. ; Schindler, J.-T. ; Schinnerer, E. ; Schirmer, M. ; Schmidt, F. ; Schmidt, M. ; Schneider, A. ; Schneider, M. ; Schneider, P. ; Schöneberg, N. ; Schrabback, T. ; Schultheis, M. ; Schulz, S. ; Schuster, N. ; Schwartz, J. ; Sciotti, D. ; Scodeggio, M. ; Scognamiglio, D. ; Scott, D. ; Scottez, V. ; Secroun, A. ; Sefusatti, E. ; Seidel, G. ; Seiffert, M. ; Sellentin, E. ; Selwood, M. ; Semboloni, E. ; Sereno, M. ; Serjeant, S. ; Serrano, S. ; Setnikar, G. ; Shankar, F. ; Sharples, R. M. ; Short, A. ; Shulevski, A. ; Shuntov, M. ; Sias, M. ; Sikkema, G. ; Silvestri, A. ; Simon, P. ; Sirignano, C. ; Sirri, G. ; Skottfelt, J. ; Slezak, E. ; Sluse, D. ; Smith, G. P. ; Smith, L. C. ; Smith, R. E. ; Smit, S. J. A. ; Soldano, F. ; Solheim, B. G. B. ; Sorce, J. G. ; Sorrenti, F. ; Soubrie, E. ; Spinoglio, L. ; Spurio Mancini, A. ; Stadel, J. ; Stagnaro, L. ; Stanco, L. ; Stanford, S. A. ; Starck, J.-L. ; Stassi, P. ; Steinwagner, J. ; Stern, D. ; Stone, C. ; Strada, P. ; Strafella, F. ; Stramaccioni, D. ; Surace, C. ; Sureau, F. ; Suyu, S. H. ; Swindells, I. ; Szafraniec, M. ; Szapudi, I. ; Taamoli, S. ; Talia, M. ; Tallada-Crespí, P. ; Tanidis, K. ; Tao, C. ; Tarrío, P. ; Tavagnacco, D. ; Taylor, A. N. ; Taylor, J. E. ; Taylor, P. L. ; Teixeira, E. M. ; Tenti, M. ; Teodoro Idiago, P. ; Teplitz, H. I. ; Tereno, I. ; Tessore, N. ; Testa, V. ; Testera, G. ; Tewes, M. ; Teyssier, R. ; Theret, N. ; Thizy, C. ; Thomas, P. D. ; Toba, Y. ; Toft, S. ; Toledo-Moreo, R. ; Tolstoy, E. ; Tommasi, E. ; Torbaniuk, O. ; Torradeflot, F. ; Tortora, C. ; Tosi, S. ; Tosti, S. ; Trifoglio, M. ; Troja, A. ; Trombetti, T. ; Tronconi, A. ; Tsedrik, M. ; Tsyganov, A. ; Tucci, M. ; Tutusaus, I. ; Uhlemann, C. ; Ulivi, L. ; Urbano, M. ; Vacher, L. ; Vaillon, L. ; Valageas, P. ; Valdes, I. ; Valentijn, E. A. ; Valenziano, L. ; Valieri, C. ; Valiviita, J. ; Van den Broeck, M. ; Vassallo, T. ; Vavrek, R. ; Vega-Ferrero, J. ; Venemans, B. ; Venhola, A. ; Ventura, S. ; Verdoes Kleijn, G. ; Vergani, D. ; Verma, A. ; Vernizzi, F. ; Veropalumbo, A. ; Verza, G. ; Vescovi, C. ; Vibert, D. ; Viel, M. ; Vielzeuf, P. ; Viglione, C. ; Viitanen, A. ; Villaescusa-Navarro, F. ; Vinciguerra, S. ; Visticot, F. ; Voggel, K. ; von Wietersheim-Kramsta, M. ; Vriend, W. J. ; Wachter, S. ; Walmsley, M. ; Walth, G. ; Walton, D. M. ; Walton, N. A. ; Wander, M. ; Wang, L. ; Wang, Y. ; Weaver, J. R. ; Weller, J. ; Wetzstein, M. ; Whalen, D. J. ; Whittam, I. H. ; Widmer, A. ; Wiesmann, M. ; Wilde, J. ; Williams, O. R. ; Winther, H.-A. ; Wittje, A. ; Wong, J. H.

W. ; Wright, A. H. ; Yankelevich, V. ; Yeung, H. W. ; Yoon, M. ; Youles, S. ; Yung, L. Y. A. ; Zacchei, A. ; Zalesky, L. ; Zamorani, G. ; Zamorano Vitorelli, A. ; Zanoni Marc, M. ; Zennaro, M. ; Zerbi, F. M. ; Zinchenko, I. A. ; Zoubian, J. ; Zucca, E. ; Zumalacarregui, M. "Euclid: I. Overview of the Euclid mission" ,2025, *Astronomy & Astrophysics*, **Volume 697**, id.A1, 94 pp.

170.Drigga, E. ; Koulouridis, E. ; Pouliaxis, E. ; Toba, Y. ; Akiyama, M. ; Ruiz, A. ; Vignali, C. ; Georgantopoulos, I. ; Nagao, T. ; Paltani, S. ; Plionis, M. ; Pierre, M. ; Vijarnwannaluk, B. "XXL-HSC: Host properties of X-ray detected AGNs in XXL clusters" ,2025, *Astronomy & Astrophysics*, **Volume 697**, id.A234, 20 pp.

171.Gangopadhyay, Anjasha ; Dukiya, Naveen ; Moriya, Takashi J. ; Tanaka, Masaomi ; Maeda, Keiichi ; Howell, D. Andrew ; Singh, Mridweeka ; Singh, Avinash ; Sollerman, Jesper ; Kawabata, Koji S. ; Brennan, Seán J. ; Pellegrino, Craig ; Dastidar, Raya ; Nakaoka, Tatsuya ; Kawabata, Miho ; Misra, Kuntal ; Schulze, Steve ; Chandra, Poonam ; Taguchi, Kenta ; Sahu, Devendra K. ; McCully, Curtis ; Bostroem, K. Azalee ; Gonzalez, Estefania Padilla ; Newsome, Megan ; Hiramatsu, Daichi ; Takei, Yuki ; Yamanaka, Masayuki ; Tajitsu, Akito ; Isogai, Keisuke "SN 2021foa: the bridge between SN IIn and Ibn" ,2025, *Monthly Notices of the Royal Astronomical Society*, **Volume 537** , Issue 3, pp.2898-2917

172.Tamura, Yoichi ; Taniguchi, Akio ; Bakx, Tom J. L. C. ; De Gregorio-Monsalvo, Itziar ; Hagimoto, Masato ; Ikarashi, Soh ; Kawabe, Ryohei ; Kohno, Kotaro ; Nakanishi, Kouichiro ; Takekoshi, Tatsuya ; Shimajiri, Yoshito ; Tsukagoshi, Takashi ; Hatsukade, Bunyo ; Iono, Daisuke ; Matsuhara, Hideo ; Saigo, Kazuya ; Saito, Masao "Large Molecular and Dust Reservoir of a Gravitationally Lensed Submillimeter Galaxy behind the Lupus I Molecular Cloud" ,2025, *The Astrophysical Journal*, **Volume 981**, Issue 1, id.51, 9 pp.

173.Zhu, Chenghao ; Harikane, Yuichi ; Ouchi, Masami ; Ono, Yoshiaki ; Onodera, Masato ; Tang, Shenli ; Isobe, Yuki ; Matsuoka, Yoshiki ; Kawaguchi, Toshihiro ; Umeda, Hiroya ; Nakajima, Kimihiko ; Liang, Yongming ; Xu, Yi ; Zhang, Yechi ; Sun, Dongsheng ; Shimasaku,

Kazuhiro ; Greene, Jenny ; Iwasawa, Kazushi ; Kohno, Kotaro ; Nagao, Tohru ; Schulze, Andreas ; Shibuya, Takatoshi ; Hilmi, Miftahul ; Schramm, Malte "The Physical Origin of Extreme Emission Line Galaxies at High Redshifts: Strong [O III] Emission Lines Produced by Obscured Active Galactic Nuclei" ,2025, *The Astrophysical Journal*, **Volume 982**, Issue 1, id.27, 16 pp.

174.Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiko ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ;

- Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Bartalesi, Tommaso ; Etori, Stefano ; Kosarzycki, Roman ; Lovisari, Lorenzo ; Rose, Tom ; Sarkar, Arnab ; Sun, Ming ; Tamhane, Prathamesh "XRISM Reveals Low Nonthermal Pressure in the Core of the Hot, Relaxed Galaxy Cluster A2029", 2025, *The Astrophysical Journal Letters*, **Volume 982**, Issue 1, id.L5, 9 pp.
175. Kanezashi, Takumi ; Tsukayama, Daisuke ; Shirakashi, Jun-ichi ; Shibuya, Tetsuo ; Imai, Hiroshi "Utility of NISQ devices: optimizing experimental parameters for the fabrication of Au atomic junction using gate-based quantum computers", 2025, *Applied Physics Express*, **Volume 18**, Issue 4, id.047001, 6 pp.
176. Blanc, Michel Estrada, Paul ; Crida, Aurélien ; Mousis, Olivier ; Shibaike, Yuhito ; Salmon, Julien ; Charnoz, Sebastien ; Schneeberger, Antoine ; El Moutamid, Maryame ; Vernazza, Pierre ; "Understanding the Formation of Saturn's Regular Moons in the Context of Giant Planet Moons Formation Scenarios", 2025, *Space Science Reviews*, **Volume 221**, Issue 3, id.35
177. Aliste Castillo, Rommy L. S. E. ; Lee, Yong-Hyun ; Kokusho, Takuma ; Lee, Ho-Gyu ; Koo, Bon-Chul ; Kaneda, Hidehiro ; Nagayama, Takahiro "Near-infrared [P II] and [Fe II] Emission-line Study of Supernova Remnants in the Magellanic Clouds", 2025, *The Astronomical Journal*, **Volume 169**, Issue 4, id.227, 21 pp.
178. Imai, Hiroshi ; Hoshino, Takeshi ; Tafuya, Daniel ; Gómez, José F. 1 ; Nakashima, Jun-ichi ; Orosz, Gabor "SiO v = 1 J = 5 → 4 Maser Emission from the Root of the "Water Fountain" Source W 43A", 2025, *The Astrophysical Journal*, **Volume 987**, Issue 2, id.114, 7 pp.
179. Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Trigo, María Díaz ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiko ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Mikiaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick Scott ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G. ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Braito, Valentina ;

Condò, Pierpaolo ; Fukumura, Keigo ; Gonzalez, Adam ; Luminari, Alfredo ; Miyamoto, Aiko ; Mizukawa, Ryuki ; Reeves, James ; Sato, Riki ; Tombesi, Francesco ; Xu, Yerong "Structured ionized winds shooting out from a quasar at relativistic speeds" ,2025, *Nature*, **Volume 641**, Issue 8065, pp. 1132-1136

180.Uchimura, Hayato ; Kudoh, Takahiro ; Tsukamoto, Yusuke "'Ashfall" Induced by Molecular Outflow in Protostar Evolution. II. Analytical Study on the Maximum Size of Dust Grains Lifted by Outflows" ,2025, *The Astrophysical Journal*, **Volume 984**, Issue 2, id.143, 15 pp.

181.Tamba, Tsubasa Bamba, Aya ; Odaka, Hirokazu ; Tanimoto, Atsushi ; Suzuki, Hiromasa ; Takashima, Satoshi ; "The Nature of Spectral Variability of the Accreting Pulsar Centaurus X-3 Unveiled by NuSTAR Observation Covering Two Orbital Cycles" ,2025, *The Astrophysical Journal*, **Volume 984**, Issue 2, id.126, 10 pp.

182.Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori,

Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzałek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stéphane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Tümer, Aysegül ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Shutaro ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Fabian, Andrew ; Nelson, Dylan ; Okabe, Nobuhiro ; Pillepich, Annalisa ; Potter, Cicely ; Regamey, Manon ; Sakai, Kosei ; Shishido, Mona ; Truong, Nhut ; Wik, Daniel R. ; Zuhone, John "XRISM Forecast for the Coma Cluster: Stormy, with a Steep Power Spectrum" ,2025, *The Astrophysical Journal Letters*, **Volume 985**, Issue 1, id.L20, 12 pp.

183.Oh, Kyuseok ; Ueda, Yoshihiro ; Yamada, Satoshi ; Toba, Yoshiki Ogawa, Shoji ; Uematsu, Ryosuke ; Nakatani, Yuya ; Isogai, Keisuke ; Tanimoto, Atsushi ; Fujiwara, Kanta ; Okada, Yuta ; Matsubayashi, Kazuya Setoguchi, Kenta ; "AGN outflows and their properties in Mrk 766 as revealed by KOOLS-IFU on the Seimei Telescope" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 3, pp.562-571

184.Shinnaga, Hiroko ; Oyadomari, Miyako ; Imai, Hiroshi ; Oyama, Tomoaki ; Claussen, Mark J. ; Shimojo, Masumi ; Yamamoto, Satoshi ; Richards, Anita M. S. ; Eto, Sandra ; Gray, Malcolm ; Suzuki, Takeru "First VLBI imaging of SiO $v = 0, J = 1 \rightarrow 0$ masers in VY Canis Majoris" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 3, pp.459-465

185. Yamanaka, Masayuki ; Nagayama, Takahiro ; Horikiri, Tsukiha "SN 2024iss: Double-peaked light curves and implications for a yellow supergiant progenitor" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 3, pp.L31-L35
186. Kido, Miyu ; Yen, Hsi-Wei ; Sai, Jinshi ; Takakuwa, Shigehisa ; Ohashi, Nagayoshi ; Aikawa, Yuri ; Aso, Yusuke ; Flores, Christian ; Han, Ilseung ; Koch, Patrick M. ; Kwon, Woojin ; Lee, Jeong-Eun; Li, Zhi-Yun ; Looney, Leslie W. ; Narang, Mayank ; Saigo, Kazuya ; Sharma, Rajeeb ; Thieme, Travis J. ; Tomida, Kengo ; Williams, Jonathan P. "Early Planet Formation in Embedded Disks (eDisk). XXI. Limited Role of Streamers in Mass Supply to the Disk in the Class 0 Protostar IRAS 16544-1604" ,2025, *The Astrophysical Journal*, **Volume 985**, Issue 2, id.166, 18 pp.
187. Liang, Yongming; Ouchi, Masami; Sun, Dongsheng; Kashikawa, Nobunari; Cai, Zheng; Cantalupo, Sebastiano; Nagamine, Kentaro; Yajima, Hidenobu; Kiriara, Takanobu; Zhang, Haibin; Li, Mingyu; Shimakawa, Rhythm; Fan, Xiaohui; Ito, Kei; Tanaka, Masayuki; Harikane, Yuichi; Prochaska, J. Xavier; Travascio, Andrea; Wang, Weichen; Elvis, Martin; Fabbiano, Giuseppina; Arita, Junya; Onoue, Masafusa; Silverman, John D.; Shi, Dong Dong; An, Fangxia; Izumi, Takuma; Shimasaku, Kazuhiro; Uchiyama, Hisakazu; Zhu, Chenghao "Cosmic Himalayas: The Highest Quasar Density Peak Identified in a 10,000 deg² Sky with Spatial Discrepancies between Galaxies, Quasars, and IGM H I" ,2025, *The Astrophysical Journal*, **Volume 986**, Issue 1, id.60, 16 pp.
188. Tanimoto, Atsushi ; Wada, Keiichi ; Odaka, Hirokazu ; Kudoh, Yuki ; Kawakatu, Nozomu "X-Ray Radiative Transfer Calculation Based on a Physics-based Model of the Subparsec-scale Gases around an Active Galactic Nucleus and Its Application to NGC 3783" ,2025, *The Astrophysical Journal*, **Volume 986**, Issue 2, id.186, 11 pp.
189. Mehdipour, Missagh ; Kaastra, Jelle S. ; Eckart, Megan E. ; Gu, Liyi ; Ballhausen, Ralf ; Behar, Ehud ; Diez, Camille M. ; Fukumura, Keigo ; Guainazzi, Matteo ; Hagino, Kouichi ; Kallman, Timothy R. ; Kara, Erin ; Li, Chen ; Miller, Jon M. ; Mizumoto, Misaki ; Noda, Hirofumi ; Ogawa, Shoji ; Panagiotou, Christos ; Tanimoto, Atsushi ; Zhao, Keqin "Delving into the depths of NGC 3783 with XRISM: I. Kinematic and ionization structure of the highly ionized outflows" ,2025, *Astronomy & Astrophysics*, **Volume 699**, id.A228, 10 pp.
190. Fernández-Ontiveros, Juan Antonio ; Spinoglio, Luigi ; Nagao, Tohru "Black hole accretion, star formation, and chemical evolution with PRobe far-infrared mission for astrophysics/far-IR enhanced survey spectrometer spectroscopy: toward the cosmic noon and beyond" ,2025, *Journal of Astronomical Telescopes, Instruments, and Systems*, **Volume 11**, id. 031637 (2025).
191. McDonald, I. ; Srinivasan, S. ; Scicluna, P. ; Jones, O. C. ; Zijlstra, A. A. ; Wallström, S. H. J. ; Danilovich, T. ; He, J. H. ; Marshall, J. P. ; van Loon, J. Th ; Wesson, R. ; Kemper, F. ; Trejo-Cruz, A. ; Greaves, J. ; Dharmawardena, T. ; Cami, J. ; Kim, Hyosun ; Kraemer, K. E. ; Clark, C. J. R. ; Shinnaga, H. ; Haswell, C. ; Imai, H. ; Wouterloot, J. G. A. ; Pérez Vidal, A. J. ; Rau, G. "The Nearby Evolved Stars Survey (NESS) V: properties of volume-limited samples of Galactic evolved star" ,2025, *Monthly Notices of the Royal Astronomical Society*, **Volume 541**, Issue 1, pp. 516-552, 37pp.
192. Yoshida, Taketo ; Nagao, Tohru ; Toba, Yoshiki ; Noboriguchi, Akatoki ; Ichikawa, Kohei ; Hildebrandt, Hendrik ; Yutani, Naomichi ; Chambers, Kenneth C. ; Iwamoto, Ryo ; Kobayashi, Seira ; Oguri, Masamune ; Osato, Ken ; Shibata, Kohei ; Zhong, Yuxing "Dust-obscured Galaxies with Broken Power-law Spectral Energy Distributions Discovered by UNIONS" ,2025, *The Astrophysical Journal*, **Volume 987**, Issue 2, id.141, 10 pp.
193. Matsuoka, Yoshiki ; Onoue, Masafusa ; Iwasawa, Kazushi ; Aoki, Kentaro ; Strauss, Michael A. ; Silverman, John D. ; Ding, Xuheng ; Phillips, Camryn L. ; Akiyama, Masayuki ; Arita, Junya ; Imanishi, Masatoshi ; Izumi, Takuma ; Kashikawa, Nobunari ; Kawaguchi, Toshihiro ; Kikuta, Satoshi ; Kohno, Kotaro ; Lee, Chien-Hsiu ; Nagao, Tohru ; Takahashi, Ayumi ; Toba, Yoshiki "SHELLQs. Bridging the Gap: JWST Unveils Obscured Quasars in the Most Luminous Galaxies at $z > 6$ " ,2025,

The Astrophysical Journal, **Volume 988**, Issue 1, id.57, 22 pp.

194. Shibaike, Yuhito "Partial Differentiation of Callisto as Possible Evidence for Pebble Accretion" ,2025, *The Astrophysical Journal Letters*, **Volume 988**, Issue 1, id.L32, 9 pp.

195. Asano, Tetsuro ; Fujii, Michiko S. ; Baba, Junichi ; Portegies Zwart, Simon ; Bédorf, Jeroen "Ripples spreading across the Galactic disc: Interplay of direct and indirect effects of the Sagittarius dwarf impact" ,2025, *Astronomy & Astrophysics*, **Volume 700**, id.A109, 22 pp.

196. Onoue, Masafusa ; Ding, Xuheng ; Silverman, John D. ; Matsuoka, Yoshiki ; Izumi, Takuma ; Strauss, Michael A. ; Ward, Charlotte ; Phillips, Camryn L. ; Ito, Kei ; Andika, Irham T. ; Aoki, Kentaro ; Arita, Junya ; Baba, Shunsuke ; Bieri, Rebekka ; Bosman, Sarah E. I. ; Eilers, Anna-Christina ; Fujimoto, Seiji ; Habouzit, Melanie ; Haiman, Zoltan ; Imanishi, Masatoshi ; Inayoshi, Kohei ; Iwasawa, Kazushi ; Jahnke, Knud ; Kashikawa, Nobunari ; Kawaguchi, Toshihiro ; Kohno, Kotaro ; Lee, Chien-Hsiu ; Li, Junyao ; Lupi, Alessandro ; Lyu, Jianwei ; Nagao, Tooru ; Overzier, Roderik ; Schindler, Jan-Torge ; Schramm, Malte ; Scoggins, Matthew T. ; Shimasaku, Kazuhiro ; Toba, Yoshiki ; Trakhtenbrot, Benny ; Trebitsch, Maxime ; Treu, Tommaso ; Umehata, Hideki ; Venemans, Bram ; Vestergaard, Marianne ; Volonteri, Marta ; Walter, Fabian ; Wang, Feige ; Yang, Jinyi ; Zhang, Haowen "A post-starburst pathway for the formation of massive galaxies and black holes at $z > 6$ " ,2025, *Nature Astronomy*, **Vol. 9**, pp. 1541-1552

197. Baba, Junichi "Influence of bar formation on star formation segregation and stellar migration: Implications for variations in the age distribution of Milky Way disk stars" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 4, pp.916–923

198. Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee,

Renata ; Díaz Trigo, María ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiko ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard L. ; Kilbourne, Caroline A. ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice A. ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sano, Hidetoshi ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G. ; Tümer, Ayşegül ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Amano, Yuki ; Gall, Amy ; Mitrani, Sharon ; Murakami, Kaito ; Rahin, Roi ; Suzuki, Nari "Kinematic Evidence for Bipolar Ejecta Flows in the Galactic Supernova Remnant W49B"

,2025, *The Astrophysical Journal*, **Volume 988**, Issue 2, id.L58, 13 pp.

199. Junichi Baba "Bar-driven Streaming Motions Mimic a Massive Bulge in the Inner Milky Way" ,2025, *The Astrophysical Journal*, **Volume 989**, Issue 1, id.121, 9 pp.

200. Omori, Kiyooki Christopher ; Bottrell, Connor ; Bellstedt, Sabine ; Robotham, Aaron S. G. ; Yesuf, Hassen M. ; Goulding, Andy D. ; Sawicki, Marcin ; Nagao, Tohru ; Takeuchi, Tsutomu T. "The Connection between Galaxy Mergers, Star Formation, and Active Galactic Nuclei Activity in the HSC-SSP" ,2025, *The Astrophysical Journal*, **Volume 989**, Issue 1, id.73, 13 pp.

201. Kawakatu, Nozomu ; Kino, Motoki ; Wada, Keiichi "On the origin of short-lived cocoon in 3C84: powered by tidal disruption events ?" ,2025, *The Astrophysical Journal*, **Volume 989**, Issue 2, id.191, 16 pp.

202. del Palacio, S. ; Yang, C. ; Aalto, S. ; Ricci, C. ; Lankhaar, B. ; König, S. ; Becker Tjus, J. ; Magno, M. ; Smith, K. L. ; Yang, J. ; Barcos-Muñoz, L. ; Combes, F. ; Linden, S. ; Henkel, C. ; Mangum, J. G. ; Martín, S. ; Olander, G. ; Privon, G. ; Wethers, C. ; Bacsko, A.-K. ; Beswick, R. J. ; García-Bernete, I. ; García-Burillo, S. ; González-Alfonso, E. ; Gorski, M. ; Imanishi, M. ; Izumi, T. ; Muller, S. ; Nishimura, Y. ; Pereira-Santaella, M. ; van der Werf, P. P. "Millimeter emission from supermassive black hole coronae" ,2025, *Astronomy & Astrophysics*, **Volume 701**, id.A41, 20 pp.

203. XRISM Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ;

Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, Francois ; Miller, Eric ; Miller, Jon ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Bartalesi, Tommaso ; Etori, Stefano ; Kosarzycki, Roman ; Lovisari, Lorenzo ; Rose, Tom ; Sarkar, Arnab ; Sun, Ming ; Tamhane, Prathamesh "Constraining gas motion and non-thermal pressure beyond the core of the Abell 2029 galaxy cluster with XRISM" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, pp. S242-S253, 12 pp.

204. Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Díaz Trigo, María ; Done, Chris ; Dotani, Tadayasu ;

Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi C. ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Giuffrida, Roberta ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanemaru, Yoshiaki ; Kelley, Richard ; Kikuchi, Ryunosuke ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice A. ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushima, Tsukasa ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsunishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick Scott ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Shimoda, Jiro ; Simionescu, Aurora ; Smith, Randall K. ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi Go ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Shutaro ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Miceli, Marco ; Sapienza, Vincenzo "Thermal and kinematic properties of ejecta in SN1987A revealed by XRISM", 2025, *Publications of the Astronomical Society of Japan*,

Volume 77, Issue Supplement_1, pp., S193-S208, 16 pp.

205. Xu, Yerong ; Gallo, Luigi C ; Hagino, Kouichi ; Reeves, James N ; Tombesi, Francesco ; Mizumoto, Misaki ; Luminari, Alfredo ; Gonzalez, Adam G ; Behar, Ehud ; ; Boissay-Malaquin, Rozenn ; Braitto, Valentina ; Condó, Pierpaolo ; Done, Chris ; Miyamoto, Aiko ; Mizukawa, Ryuki ; Odaka, Hirokazu ; Sato, Riki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Yaqoob, Tahir ; Yamada, Satoshi "Unraveling the structure of the stratified ultra-fast outflows in PDS 456 with XRISM", 2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue Supplement_1, pp., S223-S241, 19 pp.

206. Tashiro, Makoto ; Kelley, Richard ; Watanabe, Shin ; Maejima, Hironori ; Reichenthal, Lillian ; Toda, Kenichi ; Hartz, Leslie ; Santovincenzo, Andrea ; Matsushita, Kyoko ; Guainazzi, Matteo ; Yamaguchi, Hiroya ; Petre, Robert ; Williams, Brian ; ; Costantini, Elisa ; Takei, Yoh ; Ishisaki, Yoshitaka ; Fujimoto, Ryuichi ; Henegar-Leon, Joy ; Sneiderman, Gary ; Tomida, Hiroshi ; Mori, Koji ; Nakajima, Hiroshi ; Terada, Yukikatsu ; Holland, Matthew ; Loewenstein, Michael ; Miller, Eric Enoto, Teruaki ; Bamba, Aya ; Sawada, Makoto ; Kallman, Timothy ; Kaastra, Jelle ; Done, Chris ; ; Corrales, Lia ; Ueda, Yoshihiro ; Kara, Erin Arai, Yoshitaka ; Audard, Marc ; Zhuravleva, Irina ; Fujita, Yutaka ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Baluta, Chris ; Bando, Nobutaka ; Behar, Ehud ; ; Bialas, Thomas ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Chiao, Meng ; Cumbee, Renata ; de Vries, Cor ; den Herder, Jan-Willem ; Díaz Trigo, María ; DiPirro, Michael ; Dotani, Tadayasu ; Carrero, Jacobo Ebrero ; Ebisawa, Ken ; Eckart, Megan ; Eckert, Dominique Ferrigno, Carlo ; Foster, Adam ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Eguchi, Satoshi ; Ezoe, Yuichiro ; ; Furuzawa, Akihiro ; Gallo, Luigi ; Garcia Martinez, Javier ; Gortner, Nathalie ; Grim, Martin ; Gu, Liyi ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Horiuchi, Takafumi ; Hornschemeier, Ann ; Hoshino, Akio ; Ichinohe, Yuto ; Ikuta, Chisato ; Iizuka, Ryo ; Ishi, Daiki ; Ishida, Manabu ; Ishihama, Naoki ; Ishikawa, Kumi ; Ishimura, Kosei ; Jaffe, Tess ; Katsuda, Satoru ; Kanemaru,

Yoshiaki ; Kenyon, Steven ; Kilbourne, Caroline ; ; Kimball, Mark ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsuzaki, Keiichi ; McCammon, Dan ; McLaughlin, Brian ; McNamara, Brian ; Mernier, Francois ; Miko, Joseph ; Miller, Jon ; Minesugi, Kenji ; Mitani, Shinji ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakazawa, Kazuhiro ; Natsukari, Chikara ; Ness, Jan-Uwe ; Nigo, Kenichiro ; Nishiyama, Mari ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Mina ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Okamoto, Atsushi ; Ota, Naomi ; Ozaki, Masanobu ; Paltani, Stephane ; Plucinsky, Paul ; Porter, F. Scott ; Pottschmidt, Katja ; Quero, Jose Antonio ; Sasaki, Takahiro ; Sato, Kosuke ; Sato, Rie ; Sato, Toshiki ; Sato, Yoichi ; Seta, Hiromi ; Shida, Maki ; Shidatsu, Megumi ; Shigeto, Shuhei ; Shipman, Russel ; Shinozaki, Keisuke ; Shirron, Peter ; Simionescu, Aurora ; Smith, Randall ; Soong, Yang ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Uno, Shinichiro ; Vink, Jacco ; Witthoeft, Michael ; Wolfs, Rob ; Yamada, Satoshi ; Yamada, Shinya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yanagase, Keiichi ; Yaqoob, Tahir ; Yasuda, Susumu ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Miohoko ; "X-Ray Imaging and Spectroscopy Mission" ,2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue Supplement_1, pp. , S1-S9, 9 pp.

207. Kobayashi, Yudai ; Takaishi, Daisuke ; Tsukamoto, Yusuke ; Basu, Shantanu "Development of 1D Non-ideal MHD Simulation Code Towards understanding Long-term Evolution of Protoplanetary Disk" ,2025, *The Astrophysical Journal*, **Volume 990**, Issue 2, id.95, 12 pp.

208. Goto, Sota ; Yamanaka, Masayuki ; Nagayama, Takahiro ; Maeda, Keiichi ; Kawabata, Miho ; Sahu, D. K. ; Singh,

Avinash ; Gangopadhyay, Anjasha ; Dkuniya, Naveen ; Misra, Kuntal ; Dubey, Monalisa ; Ailawadhi, Bhavya "SN 2023vbg: A Type IIn Supernova Resembling SN 2009ip, with a Long-Duration Precursor and Early-Time Bump " ,2025, *The Astrophysical Journal*, **Volume 990**, Issue 2, id.167, 10 pp.

209. Yamanaka, Masayuki ; Nagayama, Takahiro "The Near-infrared Echo from SN 2023xgo: Evidence for a Massive Presupernova Eruption in a Type Ibn/Icn Supernova" ,2025, *The Astrophysical Journal*, **Volume 990**, Issue 2, id.L44, 6 pp.

210. Xrism Collaboration ; Audard, Marc; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya; Behar, Ehud ; Boissay-Malaquin, Rozenn; Brenneman, Laura; Brown, Gregory V. ; Corrales, Lia; Costantini, Elisa; Cumbee, Renata ; Díaz Trigo, María; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E.; Eckert, Dominique; Eguchi, Satoshi; Enoto, Teruaki; Ezoe, Yuichiro ; Foster, Adam; Fujimoto, Ryuichi; Fujita, Yutaka; Fukazawa, Yasushi; Fukushima, Kotaro; Furuzawa, Akihiro ; Gallo, Luigi; García, Javier A. ; Gu, Liyi; Guainazzi, Matteo ; Hagino, Kouichi; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki; Hell, Natalie; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi; Ishisaki, Yoshitaka ; Kaastra, Jelle; Kallman, Timothy ; Kanamaru, Yoshiaki; Kara, Erin ; Katsuda, Satoru; Kelley, Richard; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo; Kohmura, Takayoshi; Kubota, Aya; Leutenegger, Maurice; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan; McNamara, Brian ; Mernier, François; Miller, Eric D.; Miller, Jon M.; Mitsuishi, Ikuyuki ; Mizumoto, Misaki; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji; Murakami, Hiroshi ; Mushotzky, Richard; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi; Odaka, Hirokazu ; Ogawa, Shoji; Ogorzalek, Anna; Okajima, Takashi; Ota, Naomi; Paltani, Stephane; Petre, Robert; Plucinsky, Paul; Porter, Frederick S.; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto; Seta, Hiromi ; Shidatsu, Megumi; Simionescu, Aurora ; Smith, Randall; Suzuki,

Hiromasa ; Szymkowiak, Andrew; Takahashi, Hiromitsu; Takeo, Mai ; Tamagawa, Toru; Tamura, Keisuke; Tanaka, Takaaki ; Tanimoto, Atsushi; Tashiro, Makoto; Terada, Yukikatsu ; Terashima, Yuichi; Tsuboi, Yohko; Tsujimoto, Masahiro; Tsunemi, Hiroshi; Tsuru, Takeshi; Tümer, Ayşegül; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke; Uchiyama, Hideki; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J.; Yamada, Satoshi; Yamada, Shinya; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko; Yamauchi, Makoto; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina; Diez, Camille; Fukumura, Keigo; Li, Chen; Mehdipour, Missagh; Panagiotou, Christos; Signorini, Matilde; Zhao, Keqin "Delving into the depths of NGC 3783 with XRISM: II. Cross-calibration of X-ray instruments used in the large, multi-mission observational campaign" ,2025, *Astronomy & Astrophysics*, **Volume 702**, id.A147, 12 pp.

211.Reynolds, T. M. ; Nagao, T. ; Gottumukkala, R. ; Gutiérrez, C. P. ; Kangas, T. ; Kravtsov, T. ; Kuncarayakti, H. ; Maeda, K. ; Elias-Rosa, N. ; Fraser, M. ; Kotak, R. ; Mattila, S. ; Pastorello, A. ; Pessi, P. J. ; Cai, Y.-Z. ; Fynbo, J. P. U. ; Kawabata, M. ; Lundqvist, P. ; Matilainen, K. ; Moran, S. ; Reguitti, A. ; Taguchi, K. ; Yamanaka, M. "The bright long-lived Type II SN 2021irp powered by aspherical circumstellar material interaction: I. Revealing the energy source with photometry and spectroscopy" ,2025, *Astronomy & Astrophysics*, **Volume 702**, id.A212, 20 pp.

212.Noboriguchi, Akatoki ; Ichikawa, Kohei ; Toba, Yoshiki ; Dwelly, Tom ; Inayoshi, Kohei ; Kawaguchi, Toshihiro ; Liu, Teng ; Terashima, Yuichi ; Ueda, Yoshihiro ; Akiyama, Masayuki ; Brusa, Marcella ; Buchner, Johannes ; Kohn, Kotaro ; Merloni, Andrea ; Nagao, Tohru ; Salvato, Mara ; Suh, Hyewon ; Urrutia, Tanya "The X-ray statistical properties of dust-obscured galaxies detected by eROSITA" ,2025, *Astronomy & Astrophysics*, **Volume 702**, id.A34, 21 pp.

213.Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata

; Trigo, María Díaz ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick Scott ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiaki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G. ; Tümer, Ayşegül ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Neilsen, Joey ; Tomaru, Ryota ; Mehdipour, Missagh "Stratified wind from a super-Eddington X-ray binary is slower than expected" ,2025, *Nature*, **Volume 646**, Issue 8083, pp. 57-61

214. Phuong, Nguyen Thi; Lee, Chang Won; Tobin, John J.; Ohashi, Nagayoshi; Jørgensen, Jes K.; Takakuwa, Shigehisa; Aikawa, Yuri; Aso, Yusuke; Li, Zhi-Yun; Koch, Patrick M.; Williams, Jonathan P.; Gavino, Sacha; Lin, Zhe-Yu Daniel; Tomida, Kengo; Kwon, Woojin; Looney, Leslie W.; Han, Ilseung; Santamaría-Miranda, Alejandro; Lai, Shih-Ping; Yen, Hsi-Wei; Thieme, Travis J.; Sai, Jinshi; Flores, Christian "Early Planet Formation in Embedded Disks (eDisk). XXII. Keplerian Disk, Disk Structures, and Jets/Outflows in the Class 0 Protostar IRAS 04166+2706", 2025, *The Astrophysical Journal*, **Volume 992**, Issue 1, id.18, 18 pp.
215. Tokuda, Kazuki; Furuya, Kenji; Fukaya, Naofumi; Tachihara, Kengo; Tatematsu, Ken'ichi; Nozaki, Shingo; Sakai, Nami; Aikawa, Yuri; Saigo, Kazuya; Onishi, Toshikazu; Machida, Masahiro N. "Extended and Compact Ortho-H₂D⁺ Structures Close to the Moment of Star Formation: Evidence from ALMA-ACA Observations in Taurus", 2025, *The Astrophysical Journal*, **Volume 992**, Issue 1, id.55, 8 pp.
216. Matsuoka, Yoshiki; Iwasawa, Kazushi; Onoue, Masafusa; Izumi, Takuma; Strauss, Michael A.; Akiyama, Masayuki; Aoki, Kentaro; Arita, Junya; Ding, Xuheng; Imanishi, Masatoshi; Kashikawa, Nobunari; Kawaguchi, Toshihiro; Kikuta, Satoshi; Kohno, Kotaro; Lee, Chien-Hsiu; Nagao, Tohru; Phillips, Camryn L.; Sawamura, Mahoshi; Silverman, John D.; Takahashi, Ayumi; Toba, Yoshiki "Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XXIV. 54 New Quasars and Candidate Obscured Quasars at $5.71 \leq z \leq 7.02$ ", 2025, *The Astrophysical Journal Supplement Series*, **Volume 280**, Issue 2, id.68, 18 pp.
217. Shidatsu, Megumi; Terada, Yukikatsu; Kominato, Takashi; Kato, So; Sato, Ryohei; Sakama, Minami; Shioiri, Takumi; Motogami, Yugo; Niida, Yuuki; Kang, Chulsoo; Takagi, Toshihiro; Nakamoto, Taichi; Natsukari, Chikara; Tashiro, Makoto S.; Toda, Kenichi; Maejima, Hironori; Watanabe, Shin; Iizuka, Ryo; Sato, Rie; Baluta, Chris; Hayashi, Katsuhiro; Yoshida, Tessei; Ogawa, Shoji; Kanemaru, Yoshiaki; Fukushima, Kotaro; Hoshino, Akio; Takahashi, Hiromitsu; Nobukawa, Masayoshi; Mizuno, Tsunefumi; Nakazawa, Kazuhiro; Uno, Shin'ichiro; Ebisawa, Ken; Eguchi, Satoshi; Katsuda, Satoru; Kubota, Aya; Ota, Naomi; Tanimoto, Atsushi; Terashima, Yuichi; Tsuboi, Yohko; Uchida, Yuusuke; Uchiyama, Hideki; Yamauchi, Shigeo; Yoneyama, Tomokage; Yamada, Satoshi; Uchida, Nagomi; Holland, Matt; Loewenstein, Michael; Yaqoob, Tahir; Miller, Eric D.; Hill, Robert S.; Perez-Solis, Efrain C.; Waddy, Morgan D.; Mekosh, Mark; Fox, Joseph B.; Brewer, Isabella S.; Aldoretta, Emily; Mukai, Koji; Hamaguchi, Kenji; Mernier, François; Ogorzalek, Anna; Pottschmidt, Katja; Yukita, Mihoko "Verification of the timing system for the X-ray Imaging and Spectroscopy Mission in the GPS unsynchronized mode", 2025, *Journal of Astronomical Telescopes, Instruments, and Systems*, **Volume 11**, id. 042012
218. Honma, Mareki; Hirota, Tomoya; Oyama, Tomoaki; Nakagawa, Akiharu "VERA's 20 yr Evolution in Science and Technology", 2025, *Galaxies*, **Volume 13**, Issue 6, id.120
219. Cala, Roldán A.; Gómez, José F.; Miranda, Luis F.; Imai, Hiroshi; Anglada, Guillem; de Gregorio-Monsalvo, Itziar; Ohnaka, Keiichi; Suárez, Olga; Tafoya, Daniel; Uscanga, Lucero "Identification and characterization of nascent planetary nebulae with OH and H₂O masers", 2025, *Astronomy & Astrophysics*, **Volume 703**, id.A268, 31 pp.
220. Naomichi Yutani, Nozomu Kawakatu, Takayuki Saitoh, and Keiichi Wada "Dynamical Mechanism of Episodic Gas Accretion to the Central Region of Spiral Galaxies", 2025, *The Astrophysical Journal*, **Volume 993**, Issue 1, id.98, 13 pp.
221. Han, Ilseung; Kwon, Woojin; Aso, Yusuke; Ohashi, Nagayoshi; Tobin, John J.; Jørgensen, Jes K.; Takakuwa, Shigehisa; Looney, Leslie W.; Aikawa, Yuri; Flores, Christian; de Gregorio-Monsalvo, Itziar; Koch, Patrick M.; Lee, Chang Won; Lee, Jeong-Eun; Li, Zhi-Yun; Lin, Zhe-Yu Daniel; Sai, Jinshi; Thieme, Travis J.; Williams, Jonathan P.; Gavino, Sacha; Kido, Miyu; Lai, Shih-Ping; Phuong, Nguyen Thi; Santamaría-Miranda, Alejandro; Yen, Hsi-Wei "Early Planet Formation in Embedded Disks (eDisk). XVII. A Compact but Structured Keplerian

Disk and Large-scale Streamers Revealed in the Class I Protostellar System IRAS 04169+2702", 2025, *The Astrophysical Journal*, **Volume 993**, Issue 1, id.120, 25 pp.

222. Shibata, Kohei ; Nagao, Tohru ; Uchiyama, Hisakazu ; Kubo, Mariko ; Toba, Yoshiki ; Omori, Kiyoaki Christopher ; Kawaguchi, Toshihiro ; Suzuki, Yuta ; Ali, Sadman Shariar "Environment of SDSS Quasars at $z = 0.4 - 1.0$ Explored by Subaru HSC", 2025, *The Astrophysical Journal*, **Volume 993**, Issue 1, id.42, 10 pp.

223. Ding, Xuheng ; Onoue, Masafusa ; Silverman, John D. ; Matsuoka, Yoshiki ; Izumi, Takuma ; Strauss, Michael A. ; Yang, Lilan ; Jahnke, Knud ; Phillips, Camryn L. ; Treu, Tommaso ; Andika, Irham T. ; Aoki, Kentaro ; Arita, Junya ; Baba, Shunsuke ; Bosman, Sarah E. I. ; Eilers, Anna-Christina ; Fujimoto, Seiji ; Haiman, Zoltan ; Imanishi, Masatoshi ; Inayoshi, Kohei ; Iwasawa, Kazushi ; Kartaltepe, Jeyhan ; Kashikawa, Nobunari ; Kawaguchi, Toshihiro ; Li, Junyao ; Lee, Chien-Hsiu ; Lupi, Alessandro ; Schindler, Jan-Torge ; Schramm, Malte ; Shimasaku, Kazuhiro ; Shuntov, Marko ; Tanaka, Takumi S. ; Toba, Yoshiki ; Trakhtenbrot, Benny ; Umehata, Hideki ; Vestergaard, Marianne ; Wang, Feige ; Yang, Jinyi "SHELLQs-JWST Unveils the Host Galaxies of 12 Quasars at $z > 6$ ", 2025, *The Astrophysical Journal*, **Volume 993**, Issue 1, id.91, 20 pp.

224. Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru

; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzałek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Tümer, Aysegül ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Shutaro ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Cui, Weiguang ; Etti, Stefano ; Grayson, Skylar ; Heinrich, Annie ; McCall, Hannah ; Nelson, Dylan ; Okabe, Nobuhiro ; Omiya, Yuki ; Sarkar, Arnab ; Scannapieco, Evan ; Sun, Ming ; Tanaka, Keita ; Truong, Nhut ; Wik, Daniel R. ; Zhang, Congyao ; Zuhone, John "Comparing XRISM Cluster Velocity Dispersions with Predictions from Cosmological Simulations: Are Feedback Models Too Ejective?", 2025, *The Astrophysical Journal Letters*, **Volume 993**, Issue 1, id.L11, 14 pp.

225. Delaney, Daniel E. ; Hicks, Erin K. S. ; Zhang, Lulu ; Packham, Chris ; Davies, Ric ; Pereira Santaella, Miguel ; Bellocchi, Enrica ; Levenson, Nancy A. ; Campbell, Steph ; Rosario, David J. ; Haidar, Houda ; Ramos Almeida, Cristina ; Audibert, Anelise ; Ricci, Claudio ;

Hermosa Muñoz, Laura ; Combes, Françoise ; Alonso-Herrero, Almudena ; García-Burillo, Santiago ; Esposito, Federico ; García-Bernete, Ismael ; Shimizu, Taro ; Ward, Martin ; Gonzalez Martin, Omaira ; Labiano, Alvaro ; Lopez-Rodriguez, Enrique ; Rigopoulou, Dimitra ; Stalevski, Marko ; Hönig, Sebastian F. ; Esparza-Arredondo, Donaji ; Izumi, Takuma ; Fuller, Lindsay ; Rouan, Daniel "Excitation of Molecular Hydrogen in Seyferts: NGC 5506 and NGC 3081" ,2025, *The Astrophysical Journal*, **Volume 993**, Issue 2, id.217, 43 pp.

226.Noda, Hirofumi ; Yamada, Satoshi ; Ogawa, Shoji ; Hagino, Kouichi ; Behar, Ehud ; Reich, Omer ; Ogorzalek, Anna ; Brenneman, Laura ; Terashima, Yuichi ; Mizumoto, Misaki ; Tombesi, Francesco ; Condò, Pierpaolo ; Luminari, Alfredo ; Tanimoto, Atsushi ; Eckart, Megan E. ; Kara, Erin ; Okajima, Takashi ; Ueda, Yoshihiro ; Aiso, Yuki ; Tashiro, Makoto "Discovery of Powerful Multivelocit Ultrafast Outflows in the Starburst Merger Galaxy IRAS 05189 — 2524 with XRISM" ,2025, *The Astrophysical Journal Letters*, **Volume 993**, Issue 2, id.L53, 11 pp.

227.Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanemaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi,

Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Tümer, Ayşegül ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Shutaro ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Breuer, Jean-Paul ; Chakraborty, Priyanka ; Etori, Stefano ; Fabian, Andrew ; Heinrich, Annie ; Kondo, Marie ; Hlavacek-Larrondo, Julie ; McCall, Hannah ; Nulsen, Paul ; Rose, Tom ; Russell, Helen ; Sarkar, Arnab ; Scannapieco, Evan ; Suda, Kazunori ; Sun, Ming ; Tamhane, Prathamesh ; Truong, Nhut ; Werner, Norbert ; Zhang, Congyao "XRISM Constraints on Unidentified X-Ray Emission Lines, Including the 3.5 keV Line, in the Stacked Spectrum of 10 Galaxy Clusters" ,2025, *The Astrophysical Journal Letters*, **Volume 994**, Issue 1, id.L28, 14 pp.

228.Kammoun, E. ; Kawamuro, T. ; Murakami, K. ; Bianchi, S. ; Nicastro, F. ; Luminari, A. ; Aydi, E. ; Eracleous, M. ; Adegoke, O. K. ; Bertola, E. ; Boorman, P. G. ; Braitto, V. ; Bruni, G. ; Comastri, A. ; Condò, P. ; Dadina, M. ; Enoto, T. ; García, J. A. ; Gianolli, V. E. ; Harrison, F. A. ; Lanzuisi, G. ; Laurenti, M. ; Marinucci, A. ; Mastroserio, G. ; Matsumoto, H. ; Matt, G. ; Matzeu, G. ; Middei, R. ; Nardini, E. ; Noda, H. ; Odaka, H. ; Ogawa, S. ; Panessa, F. ; Piconcelli, E. ; Pinto, C. ; Piotrowska, J. M. ; Ponti, G. ; Ricci, C. ; Ricci, R. ; Serafinelli, R. ; Shi, F. ; Stern, D. ; Tanimoto, A. ; Terashima, Y. ; Tomaru, R. ; Tombesi, F.

- ; Tortosa, A. ; Ueda, Y. ; Ursini, F. ; Vignali, C. ; Yamada, S. "XRISM/Resolve Reveals the Complex Iron Structure of NGC 7213: Evidence for Radial Stratification between Inner Disk and Broad-line Region" ,2025, *The Astrophysical Journal Letters*, **Volume 994**, Issue 1, id.L13, 18 pp.
- 229.Zhong, Yuxing ; Ichikawa, Kohei ; Hildebrandt, Hendrik ; Gwyn, Stephen ; Inoue, Akio K. ; Onoue, Masafusa ; Imanishi, Masatoshi ; Yoshida, Taketo ; Kilbinger, Martin ; de Boer, Thomas ; Paek, Gregory S. H. ; Matsuoka, Yoshiki ; Nagao, Tohru ; Toba, Yoshiki "UNIONS Optical Identifications for VLASS Radio Sources in the Euclid Sky (UNVEIL). I. A Catalog of ~146,000 Radio Galaxies up to $z \sim 5$ " ,2025, *The Astrophysical Journal Supplement Series*, **Volume 281**, Issue 1, id.22, 25 pp.
- 230.Gu, Liyi ; Fukumura, Keigo ; Kaastra, Jelle ; Eckart, Megan ; Ballhausen, Ralf ; Behar, Ehud ; Diez, Camille ; Guainazzi, Matteo ; Kallman, Timothy ; Kara, Erin ; Li, Chen ; Mehdipour, Missagh ; Mizumoto, Misaki ; Ogawa, Shoji ; Panagiotou, Christos ; Signorini, Matilde ; Tanimoto, Atsushi ; Zhao, Keqin ; Noda, Hirofumi ; Miller, Jon ; Yamada, Satoshi "Delving into the depths of NGC 3783 with XRISM: III. Birth of an ultrafast outflow during a soft flare" ,2025, *Astronomy & Astrophysics*, **Volume 704**, id.A146, 13 pp.
- 231.Wallström, S. H. J. ; Scicluna, P.; Srinivasan, S.; Wouterloot, J. G. A. ; McDonald, I.; Decock, L. ; Wijshoff, M. ; Chen, R.; Torres, D. ; Umans, L. ; Willebrords, B.; Kemper, F.; Rau, G. ; Feng, S.; Jesty, M.; Kaminski, T. ; Li, D.; Liu, F. C. ; Trejo-Cruz, A.; Chawner, H. ; Goldman, S. ; MacIsaac, H. ; Tang, J. ; Zeegers, S. T.; Danilovich, T.; Matsuura, M. ; Menten, K. M. ; van Loon, J. Th; Cami, J.; Clark, C. J. R. ; Dharmawardena, T. E.; Greaves, J.; He, Jinhua; Imai, H. ; Jones, O. C.; Kim, H.; Marshall, J. P.; Shinnaga, H.; Wesson, R. "The Nearby Evolved Stars Survey: III. First data release of JCMT CO-line observations" ,2025, *Astronomy & Astrophysics*, **Volume 704**, id.A276, 16 pp.
- 232.XRISM Collaboration, Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz-Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan ; Eckert, Dominique ; Enoto, Teruaki ; Eguchi, Satoshi ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; Garcia, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick Scott ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G. ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Fujimoto, Shin-Ichiro ; Matsunaga, Kai ; Agarwal, Manan "Chlorine and potassium enrichment in the Cassiopeia A supernova remnant" ,2025, *Nature Astronomy*, **Volume 10**, p. 144-153

233. Hayatsu, Natsuki H. ; Ivison, Rob J. ; Andreani, Paola ; Guglielmetti, Fabrizia ; Zhang, Zhi-Yu ; Biggs, Andy ; Umehata, Hideki ; Matsuda, Yuichi ; Yoshida, Naoki ; Swinbank, Mark A. ; Kohno, Kotaro ; Tamura, Yoichi ; Hatsukade, Bunyo ; Nakanishi, Kouichiro ; Ao, Yiping ; Nagao, Tohru ; Kubo, Mariko ; Takeuchi, Tsutomu T. ; Lee, Minju ; Izumi, Takuma ; Ikarashi, Soh ; Yamada, Tohru "ALMA deep field in SSA22: Reconstructed [C II] luminosity function at $z = 6$ ", 2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 6, pp. 1163-1180, 18 pp.
234. Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brennenman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiko ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanemaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo B. ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, Francois ; Miller, Eric ; Miller, Jon ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Seppi, Riccardo ; Aihara, Itsuki ; Omiya, Yuki "XRISM/ Resolve view of Abell 2319: Turbulence, sloshing, and ICM dynamics", 2025, *Publications of the Astronomical Society of Japan*, **Volume 77**, Issue 6, pp. 1278-1289, 12 pp.
235. Gwyn, Stephen ; McConnachie, Alan W. ; Cuillandre, Jean-Charles ; Chambers, Kenneth C. ; Magnier, Eugene A. ; de Boer, Thomas ; Hudson, Michael J. ; Oguri, Masamune ; Furusawa, Hisanori ; Hildebrandt, Hendrik ; Carlberg, Raymond ; Ellison, Sara L. ; Furusawa, Junko ; Gavazzi, Raphaël ; Ibata, Rodrigo ; Mellier, Yannick ; Osato, Ken ; Aussel, H. ; Baumont, Lucie ; Bayer, Manuel ; Boulade, Olivier ; Côté, Patrick ; Chemaly, David ; Daley, Cail ; Duc, Pierre-Alain ; Durret, Florence ; Ellien, A. ; Fabbro, Sébastien ; Ferreira, Leonardo ; Fitriana, Itsna K. ; Le Floc'h, Emeric ; Fudamoto, Yoshinobu ; Gao, Hua ; Goh, L. W. K. ; Goto, Tomotsugu ; Guerrini, Sacha ; Guinot, Axel ; Hénault-Brunet, Vincent ; Hammer, Francois ; Harikane, Yuichi ; Hayashi, Kohei ; Heesters, Nick ; Ichikawa, Kohei ; Kilbinger, Martin ; Kuzma, P. B. ; Li, Qinxun ; Liaudat, Tobías I. ; Lin, Chien-Cheng ; Müller, Oliver ; Martin, Nicolas F. ; Matsuoka, Yoshiki ; Medina, Gustavo E. ; Miyatake, Hironao ; Miyazaki, Satoshi ; Mpetha, Charlie T. ; Nagao, Tohru ; Navarro, Julio F. ; Niwano, Masafumi ; Ogami, Itsuki ; Okabe, Nobuhiro ; Onoue, Masafusa ; Paek, Gregory S. H. ; Parker, Laura C. ; Patton, David R. ; Peters, Fabian Hervas ; Prunet, Simon ; Sánchez-Janssen, Rubén ; Schultheis, M. ; Sestito, Federico ; Smith, Simon E. T. ; Starck, J.-L. ; Starkenburg, Else ; Stone, Connor ; Storfer, Christopher ; Suzuki, Yoshihisa ; Erben, T. ; Taibi, Salvatore ; Thomas, G. F. ; Toba, Yoshiki ; Uchiyama, Hisakazu ; Valls-Gabaud, David ; Venn, Kim A. ; Van Waerbeke, Ludovic ; Wainscoat, Richard J. ; Wilkinson, Scott ; Wittje, Anna ; Yoshida,

- Taketo ; Zhang, TianFang ; Zhong, Yuxing "UNIONS: The Ultraviolet Near-infrared Optical Northern Survey" ,2025, *The Astronomical Journal*, **Volume 170**, Issue 6, id.324, 19 pp.
- 236.Tanimoto, Atsushi ; Fukumura, Keigo ; Ogawa, Shoji ; Odaka, Hirokazu ; Tombesi, Francesco ; Laurenti, Marco ; Condò, Pierpaolo ; Luminari, Alfredo "Emission and Absorption Features of Magnetically Driven Disk Winds in Black Hole X-Ray Binaries" ,2025, *The Astrophysical Journal*, **Volume 994**, Issue 2, id.258, 11 pp.
- 237.Lopez-Rodriguez, Enrique ; Ramos Almeida, Cristina ; Pereira-Santaella, Miguel ; García-Bernet, Ismael ; Nikutta, Robert ; Alonso-Herrero, Almudena ; Audibert, Anelise ; Bellocchi, Enrica ; Bunker, Andrew ; Campbell, Steph ; Combes, Françoise ; Davies, Richard ; Diaz-Santos, Tanio ; Fuller, Lindsay ; Gandhi, Poshak ; García-Burillo, Santiago ; González-Martín, Omaira ; Hicks, Erin K. S. ; Hönig, Sebastian ; Ichikawa, Kohei ; Imanishi, Masatoshi ; Izumi, Takuma ; Labiano, Alvaro ; Levenson, Nancy A. ; Packham, Christopher ; Rosario, David ; Rigopoulou, Dimitra ; Rouan, Daniel ; Shimizu, Taro ; Stalevski, Marko ; Ward, Martin ; Zhang, Lulu ; Ricci, Claudio ; Esparza-Arredondo, Donaji ; García-Lorenzo, Begoña "GATOS. VIII. On the Physical Origin of the Extended Mid-infrared Emission in Active Galactic Nuclei" ,2025, *The Astrophysical Journal*, **Volume 994**, Issue 2, id.206, 24 pp.
- 238.Fukumura, Keigo ; Ogawa, Shoji ; Tanimoto, Atsushi ; Tombesi, Francesco ; Luminari, Alfredo ; Parra, Maxime ; Shidatsu, Megumi ; Gu, Liyi ; Behar, Ehud "Probing Accretion Disk Winds of Stratified Nature with Fe XXVI Doublet in Black Hole X-Ray Binaries" ,2025, *The Astrophysical Journal*, **Volume 994**, Issue 2, id.218, 8 pp.
- 239.Nakamura, Fumitaka ; Kawabe, Ryohei ; Huang, Shuo ; Saigo, Kazuya ; Hirano, Naomi ; Takakuwa, Shigehisa ; Kamazaki, Takeshi ; Tamura, Motohide ; Di Francesco, James ; Friesen, Rachel ; Iwasaki, Kazunari ; Hara, Chihomi "Unveiling Stellar Feedback and Cloud Structure in the ρ Ophiuchi-A Region Using ALMA and JWST: Discovery of Substellar Cores, C18O Striations, and Protostellar Outflows" ,2025, *The Astrophysical Journal*, **Volume 994**, Issue 2, id.225, 17 pp.
- 240.Sai, Jinshi ; Vorobyov, Eduard I. ; Skliarevskii, Alexandr ; Takami, Michihiro "Morphological and Kinematic Diagnostic of FU Orionis-type Outburst Mechanisms" ,2025, *The Astrophysical Journal*, **Volume 995**, Issue 1, id.129, 17 pp.
- 241.Imanishi, Masatoshi ; Vollmer, Bernd ; Hagiwara, Yoshiaki ; Nakanishi, Kouichiro ; Izumi, Takuma ; Kawakatu, Nozomu "ALMA Subparsec Resolution Dense Molecular Line Observations of the NGC 1068 Nucleus" ,2025, *The Astrophysical Journal*, **Volume 995**, Issue 2, id.211, 18 pp.
- 242.Silverman, John David ; Li, Junyao ; Ding, Xuheng ; Onoue, Masafusa ; Strauss, Michael A. ; Matsuo, Yoshiaki ; Izumi, Takuma ; Jahnke, Knud ; Treu, Tommaso ; Volonteri, Marta ; Phillips, Camryn L. ; Andika, Irham T. ; Aoki, Kentaro ; Arita, Junya ; Baba, Shunsuke ; Bosman, Sarah E. I. ; Eilers, Anna-Christina ; Fan, Xiaohui ; Fujimoto, Seiji ; Habouzit, Melanie ; Haiman, Zoltan ; Imanishi, Masatoshi ; Inayoshi, Kohei ; Iwasawa, Kazushi ; Kashikawa, Nobunari ; Kawaguchi, Toshihiro ; Lee, Chien-Hsiu ; Lupi, Alessandro ; Nagao, Tohru ; Schindler, Jan-Torge ; Schramm, Malte ; Shimasaku, Kazuhiro ; Toba, Yoshiaki ; Trakhtenbrot, Benny ; Umehata, Hideki ; Vestergaard, Marianne ; Walter, Fabian ; Wang, Feige ; Yang, Jinyi "SHELLQs — JWST Perspective on the Intrinsic Mass Relation between Supermassive Black Holes and Their Host Galaxies at $z > 6$ " ,2025, *The Astrophysical Journal Letters*, **Volume 995**, Issue 2, id.L67, 10 pp.
- 243.Khostovan, Ali Ahmad ; Kartaltepe, Jeyhan S. ; Salvato, Mara ; Ilbert, Olivier ; Casey, Caitlin M. ; Algera, Hiddo ; Antwi-Danso, Jacqueline ; Battisti, Andrew ; Brinch, Malte ; Brusa, Marcella ; Calabrò, Antonello ; Capak, Peter L. ; Chartab, Nima ; Cooper, Olivia R. ; Cox, Isa G. ; Darvish, Behnam ; Drakos, Nicole E. ; Faisst, Andreas L. ; George, Matthew R. ; Gozaliasl, Ghassem ; Harish, Santosh ; Hasinger, Günther ; Hatamnia, Hossein ; Iovino, Angela ; Jin, Shuowen ; Kashino, Daichi ; Koekemoer, Anton M. ; Laishram, Ronaldo ; Lee, Khee-Gan ; Lertprasertpong, Jitrapon ; Lilly, Simon J. ; Liu, Daizhong ; Masters, Daniel C. ; Mobasher,

Bahram ; [Nagao, Tohru](#) ; Onodera, Masato ; Peng, Yingjie ; Sanders, David B. ; Sanders, Ryan L. ; Sattari, Zahra ; Scoville, Nick ; Shah, Ekta A. ; Silverman, John D. ; Suzuki, Nao ; Taamoli, Sina ; Tanaka, Masayuki ; Tasca, Lidia A. M. ; Toft, Sune ; Toni, Greta ; Trakhtenbrot, Benny ; Trump, Jonathan R. ; Vaccari, Mattia ; Valentino, Francesco ; Vanderhoof, Brittany N. ; Weaver, John R. ; Yun, Min S. ; Zavala, Jorge A. "COSMOS Spectroscopic Redshift Compilation (First Data Release): 488,000 Redshifts Encompassing Two Decades of Spectroscopy" ,2026, *The Astrophysical Journal Supplement Series*, **Volume 282**, Issue 1, id.6, 30 pp.

244.[Wada, Keiichi](#) ; [Nagao, Tohru](#) ; Shimizu, Taro ; Santos, Daryl Joe D. ; Shangguan, Jinyi ; Davies, Richard "Broad-line Regions behind Haze: The Intrinsic Shape of the Br γ Line and Its Origin in a Type 1 Seyfert Galaxy" ,2026, *The Astrophysical Journal*, **Volume 998**, Issue 1, id.60, 9 pp.

245.[Dougome, Tenta](#) ; Shimajiri, Yoshito ; [Saigo, Kazuya](#) ; Takahashi, Sanemichi ; [Kido, Miyu](#) ; [Ishibashi, Shu](#) ; [Takakuwa, Shigehisa](#) "Predicting Dust Temperature from Molecular Line Data Using Machine Learning" ,2026, *The Astrophysical Journal*, **Volume 998**, Issue 1, id.29, 17 pp.

246.Akiba, Y. ; Aso, H. ; Bertaux, J. T.; Cacace, D.; Chen, K. Y. ; Cheng, K. Y.; Enokizono, A.; Enyo, H.; Fujiki, K. ; Fujino, Y. ; Fujiwara, M. ; Hachiya, T.; Harada, T. ; Hasegawa, S. ; Hata, M. ; Hong, B.; Hwang, J.; Ichino, T. ; Ikemoto, M. ; Imagawa, D. ; [Imai, H.](#) ; Ishigaki, Y. ; Isshiki, M. ; Iwatsuki, K. ; Kan, R. ; Kano, M. ; Kato, T. ; Kawashima, R. ; Kikuchi, T. ; Kondo, T. ; Kuo, C. M.; Kureha, H. ; Kumaoka, T. ; Li, H. S. ; Lu, R. S.; Mannel, E.; Masuda, H. ; Mitsuka, G. ; Morimoto, N. ; Morita, M. ; Nakagawa, I.; Nakamura, Y. ; Nakano, G. ; Namimoto, Y. ; Nemoto, D. ; Nishimori, S. ; Nouicer, R. ; Nukazuka, G.; Omae, I. ; Pisani, R. ; Sekiguchi, Y.; Shibata, M. ; Shih, C. W.; Shiina, K. ; Shimomura, M. ; Shishikura, R. ; Stojanovic, M.; Sugino, K. ; Sugiyama, Y. ; Suzuki, A. ; Takahama, R. ; Tsai, L. S. ; Tang, W. C. ; Terasaka, Y. ; Todoroki, T. ; Tsujibata, H. ; Tsuruta, M. ; Yamaguchi, Y. ; Yanagawa, H. ; Watanabe, M. ; Xiao, R. ; Xie, W. "The ladder and readout cables of intermediate silicon strip detector for sPHENIX" ,2026, *Nuclear Inst. and Methods in Physics Research, A*,

Volume 1082, id.171020

247.The Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Díaz Trigo, María ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiko ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzalek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; [Tanimoto, Atsushi](#) ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ; Tsunemi, Hiroshi ; Tsuru, Takeshi G. ; Tümer, Ayşegül ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ;

Yoshida, Tessei ; Yukita, Mihoko ; Drury, Ian ; Hlavacek-Larrondo, Julie ; Meunier, Julian ; Migkas, Kostas ; Shefler, Lior ; Stancil, Phillip C. ; Truong, Nhut ; Ueda, Shutaro ; Vigneron, Benjamin ; Zuhone, John ; Zhang, Congyao ; Heinrich, Annie ; Zhuravleva, Irina ; Bellomi, Elena "Disentangling multiple gas kinematic drivers in the Perseus galaxy cluster", 2026, *Nature*, **Volume 650**, Issue 8101, pp. 309-313

248.Xrism Collaboration ; Audard, Marc ; Awaki, Hisamitsu ; Ballhausen, Ralf ; Bamba, Aya ; Behar, Ehud ; Boissay-Malaquin, Rozenn ; Brenneman, Laura ; Brown, Gregory V. ; Corrales, Lia ; Costantini, Elisa ; Cumbee, Renata ; Diaz Trigo, Maria ; Done, Chris ; Dotani, Tadayasu ; Ebisawa, Ken ; Eckart, Megan E. ; Eckert, Dominique ; Eguchi, Satoshi ; Enoto, Teruaki ; Ezoe, Yuichiro ; Foster, Adam ; Fujimoto, Ryuichi ; Fujita, Yutaka ; Fukazawa, Yasushi ; Fukushima, Kotaro ; Furuzawa, Akihiro ; Gallo, Luigi ; García, Javier A. ; Gu, Liyi ; Guainazzi, Matteo ; Hagino, Kouichi ; Hamaguchi, Kenji ; Hatsukade, Isamu ; Hayashi, Katsuhiro ; Hayashi, Takayuki ; Hell, Natalie ; Hodges-Kluck, Edmund ; Hornschemeier, Ann ; Ichinohe, Yuto ; Ishi, Daiki ; Ishida, Manabu ; Ishikawa, Kumi ; Ishisaki, Yoshitaka ; Kaastra, Jelle ; Kallman, Timothy ; Kara, Erin ; Katsuda, Satoru ; Kanamaru, Yoshiaki ; Kelley, Richard ; Kilbourne, Caroline ; Kitamoto, Shunji ; Kobayashi, Shogo ; Kohmura, Takayoshi ; Kubota, Aya ; Leutenegger, Maurice ; Loewenstein, Michael ; Maeda, Yoshitomo ; Markevitch, Maxim ; Matsumoto, Hironori ; Matsushita, Kyoko ; McCammon, Dan ; McNamara, Brian ; Mernier, François ; Miller, Eric D. ; Miller, Jon M. ; Mitsuishi, Ikuyuki ; Mizumoto, Misaki ; Mizuno, Tsunefumi ; Mori, Koji ; Mukai, Koji ; Murakami, Hiroshi ; Mushotzky, Richard ; Nakajima, Hiroshi ; Nakazawa, Kazuhiro ; Ness, Jan-Uwe ; Nobukawa, Kumiko ; Nobukawa, Masayoshi ; Noda, Hirofumi ; Odaka, Hirokazu ; Ogawa, Shoji ; Ogorzałek, Anna ; Okajima, Takashi ; Ota, Naomi ; Paltani, Stephane ; Petre, Robert ; Plucinsky, Paul ; Porter, Frederick S. ; Pottschmidt, Katja ; Sato, Kosuke ; Sato, Toshiki ; Sawada, Makoto ; Seta, Hiromi ; Shidatsu, Megumi ; Simionescu, Aurora ; Smith, Randall ; Suzuki, Hiromasa ; Szymkowiak, Andrew ; Takahashi, Hiromitsu ; Takeo, Mai ; Tamagawa, Toru ; Tamura, Keisuke ; Tanaka, Takaaki ; Tanimoto, Atsushi ; Tashiro, Makoto ; Terada, Yukikatsu ; Terashima, Yuichi ; Tsuboi, Yohko ; Tsujimoto, Masahiro ;

Tsunemi, Hiroshi ; Tsuru, Takeshi ; Tümer, Ayşegül ; Uchida, Hiroyuki ; Uchida, Nagomi ; Uchida, Yuusuke ; Uchiyama, Hideki ; Ueda, Shutaro ; Ueda, Yoshihiro ; Uno, Shinichiro ; Vink, Jacco ; Watanabe, Shin ; Williams, Brian J. ; Yamada, Satoshi ; Yamada, Shinya ; Yamaguchi, Hiroya ; Yamaoka, Kazutaka ; Yamasaki, Noriko ; Yamauchi, Makoto ; Yamauchi, Shigeo ; Yaqoob, Tahir ; Yoneyama, Tomokage ; Yoshida, Tessei ; Yukita, Mihoko ; Zhuravleva, Irina ; Charbonneau, Matthew ; Dizdar, Neo ; Fujita, Masashi ; Ito, Daisuke ; Martin, Jessica ; McCall, Hannah ; Russell, Helen ; Zuhone, John "A XRISM/Resolve View of the Dynamics in the Hot Gaseous Atmosphere of M87", 2026, *The Astrophysical Journal*, **Volume 998**, Issue 2, id.210, 18 pp.

249.Li, Chen ; Kaastra, Jelle S. ; Gu, Liyi ; Mehdipour, Missagh ; Eckart, Megan E. ; Guainazzi, Matteo ; Kara, Erin ; Brenneman, Laura W. ; Mizumoto, Misaki ; Miller, Jon ; Fukumura, Keigo ; Behar, Ehud ; Panagiotou, Christos ; Signorini, Matilde ; Zhao, Keqin ; Ballhausen, Ralf ; Diez, Camille M. ; Kallman, Timothy R. ; Ogawa, Shoji ; Tanimoto, Atsushi ; Ueda, Yoshihiro "Delving into the depths of NGC 3783 with XRISM: IV. Mapping of the accretion flow with Fe K α emission lines", 2026, *Astronomy & Astrophysics*, **Volume 706**, id.A255, 12 pp.

250.Iwasawa, K. ; Gilli, R. ; Vito, F. ; Matsuoka, Y. ; Onoue, M. ; Strauss, M. A. ; Kashikawa, N. ; Toba, Y. ; Shimasaku, K. ; Inayoshi, K. ; Nagao, T. ; Kawanaka, N. ; Silverman, J. D. ; Izumi, T. ; Kohno, K. ; Ueda, Y. "Subaru High-z Exploration of Low-Luminosity Quasars (SHELLQs) XXII. Chandra observations of narrow-line quasar candidates at $z>6$ ", 2026, *Astronomy & Astrophysics*, **Volume 706**, id.A305, 9 pp.

251.Kokusho, Takuma ; Katsurada, Yuki ; Lee, Yong-Hyun ; Koo, Bon-Chul ; Nagayama, Takahiro ; Kaneda, Hidehiro ; Kawabata, Koji S. ; Nakaoka, Tatsuya ; Lee, Ho-Gyu ; Aliste Castillo, Rommy L. S. E. "Near-infrared [P II] and [Fe II] line mapping of Galactic supernova remnants", 2026, *Publications of the Astronomical Society of Japan*, **Volume 78**, Issue 1, pp. 228-241, 14 pp.

252.Feeney-Johansson, Anton ; Aikawa, Yuri ; Takakuwa, Shigehisa ; Ohashi, Nagayoshi ; Plunkett, Adele ;

Jørgensen, Jes K. ; Shang, Hsien ; Li, Zhi-Yun ; Sharma, Rajeeb ; Kwon, Woojin ; Lee, Jeong-Eun ; Looney, Leslie W. ; Yang, Yao-Lun ; Narang, Mayank ; de Gregorio-Monsalvo, Itziar ; eDisk Team "Early Planet Formation in Embedded Disks (eDisk). XIX. Structures of Molecular Outflows" ,2026, *The Astronomical Journal*, **Volume 171**, Issue 3, id.172, 19 pp.

253. Fukihara, Haruka ; Tsukamoto, Yusuke ; Hirashita, Hiroyuki ; Arzoumanian, Doris ; Misugi, Yoshiaki "Ion-neutral Drift Velocity as a Diagnostic of Dust Growth and Magnetic Fields in Star-forming Environments" ,2026, *The Astrophysical Journal*, **Volume 999**, Issue 1, id.79, 9 pp.

254. Yoshida, Tomohiro C. ; Alarcón, Felipe ; Bae, Jaehan ; Benisty, Myriam ; Doi, Kiyoaki ; Facchini, Stefano ; Law, Charles J. ; Nomura, Hideko ; Perez, Laura ; Rosotti, Giovanni ; Shibaike, Yuhito ; Teague, Richard ; Tsukagoshi, Takashi ; Yamato, Yoshihide "A Protoplanet Candidate in the PDS 66 Disk Indicated by Silicon Sulfide Isotopologues" ,2026, *The Astrophysical Journal Letters*, **Volume 999**, Issue 1, id.L22, 11 pp.

255. Tanimoto, Atsushi ; Wada, Keiichi ; Kudoh, Yuki ; Kawakatu, Nozomu ; Nomura, Mariko ; Odaka, Hirokazu "Unification Model of Active Galactic Nuclei by Photoionization Equilibrium Calculation Based on Radiative Hydrodynamic Simulations" ,2026, *The Astrophysical Journal*, **Volume 999**, Issue 2, id.157, 9 pp.

256. Nakagawa, Akiharu ; Kurayama, Tomoharu ; Sudou, Hiroshi ; Orosz, Gabor "Parallaxes and Proper Motions of Long Period Variable Stars Determined from VLBI and Gaia DR3" , 2026, *Galaxies*, **Volume 14**, Issue 2, id.26

査読なし論文 (2022年4月～2026年3月)

1. Jaroenjittichai, Phrudth ; Sugiyama, Koichiro ; Kramer, Busaba H. ; Soonthornthum, Boonrucksar ; Akahori, Takuya ; Asanok, Kitiyanee ; Baan, Willem ; Bran, Sherin Hassan ; Breen, Shari L. ; Cho, Se-Hyung ; Chanapote, Thanapol ; Dodson, Richard ; Ellingsen, Simon P. ;

Etoka, Sandra ; Gray, Malcolm D. ; Green, James A. ; Hada, Kazuhiro ; Halsen, Marcus ; Hirota, Tomoya ; Honma, Mareki ; Imai, Hiroshi ; Johnston, Simon ; Kim, Kee-Tae ; Kramer, Michael ; Li, Di ; Macatangay, Ronald ; Menten, Karl M. ; Minh, Young Chol ; Mkrtichian, David ; Pimpanuwat, Bannawit ; Richards, Anita M. S. ; Rioja, Maria ; Rujopakarn, Wiphu ; Sakai, Daisuke ; Sakai, Nobuyuki ; Samanso, Nattida ; Sanpa-arsa, Siraprapa ; Semenko, Eugene ; Sunada, Kazuyoshi ; Surapipith, Vanisa ; Thoonsaengngam, Nattaporn ; Voronkov, Maxim A. ; Wongphercauxson, Jompoj ; Kesh Yadav, Ram ; Zhang, Bo ; Zheng, Xing Wu ; Poshyachinda, Saran "Sciences with Thai National Radio Telescope" ,2022, *White Paper for Potential Key Sciences to be Achieved with Thai National Radio Telescope (TNRT)*, 75 pages, 16 figures, 15 tables

2. Imai, Hiroshi "Double-/triple-bands Simultaneous Observation System with Perforated Dichroic Filter Plates Equipped for the Nobeyama 45 m Radio Telescope" ,2022, *Proceedings of the 2022 Asian-Pacific Microwave Conference (APMC)*, 587-589

3. Shunsuke Baba "AGN Molecular Outflow" ,2023, *GREX-PLUS Science Book* , 1, 42-44

4. Toru Misawa, Shunsuke Baba "Molecular Gas in the Intergalactic Medium" ,2023, *GREX-PLUS Science Book* , 1, 45-48

5. Matsusaka, Ren ; Handa, Toshihiro ; Fujimoto, Yusuke ; Murase, Takeru ; Hirata, Yushi ; Nishi, Junya ; Ito, Takumi ; Sasaki, Megumi ; Mizoguchi, Tomoki "Sub kpc-scale gas density histogram: a new statistical method to characterize galactic-scale gas structures" ,2023, *Resolving the Rise and Fall of Star Formation in Galaxies. Proceedings of the International Astronomical Union*, **Volume 373**, pp. 42-44

6. Murase, Takeru ; Handa, Toshihiro ; Matsusaka, Ren ; Shimajiri, Yoshito ; Kobayashi, Masato I. N. ; Kohno, Mikito ; Nishi, Junya ; Takeba, Norimi ; Shibata, Yosuke "The density structure of molecular cloud scales: A fitting for N-PDF with multi log-normal functions"

- ,2023, *Resolving the Rise and Fall of Star Formation in Galaxies. Proceedings of the International Astronomical Union*, **Volume 373**, pp. 45-48
7. Takeba, N. ; Handa, T. ; Murase, T. ; Kohno, M. ; Omodaka, T. ; Nakano, M. ; Hirata, Y. ; Chibueze, J. O. ; Burns, R. A. "Star formation feedback onto molecular clouds of KAGONMA sources using temperature distribution" ,2023, *Resolving the Rise and Fall of Star Formation in Galaxies. Proceedings of the International Astronomical Union*, **Volume 373**, pp. 154-156
 8. Handa, T. ; Hirata, Y. ; Murase, T. ; Nishi, J. ; Shimajiri, Y. ; Omodaka, T. ; Nakano, M. ; Sunada, K. ; Ito, T. ; Chibueze, J. O. "Parsec scale CO depletion in KAGONMA 71, or a star-forming filament in CMa OB1" ,2023, *Resolving the Rise and Fall of Star Formation in Galaxies. Proceedings of the International Astronomical Union*, **Volume 373**, pp. 31-34
 9. Nakagawa, Akiharu ;Kurayama, Tomoharu ;Sudou, Hiroshi ;Orosz, Gabor"Implication of the period-magnitude relation for massive AGB stars and its astronomical applications" ,2023, *Proceedings of the International Astronomical Union, Cambridge University Press, 2024*, **Volume 376**, pp. 159-179.
 10. Imai, H. ; Niinuma, K. ; Ogawa, H. ; Oyama, T. ; Shimizu, Y. ; Miyazawa, C. ; Nishimura, A. ; Okada, N. ; Amada, K. ; Matsusaka, R. ; Nakashima, K. ; Shum, K. -Y. ; Takahashi, T. ; Tsutsumi, T. ; Yoneyama, S. ; Sawada-Satoh, S. ; Shinnaga, H. ; Yonckura, Y. ; Hirota, T. ; Kamenno, S. "HINOTORI and its perspective" ,2023,*2023 XXXVth General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS), held 19-26 August 2023 in Sapporo, Japan, Published by IEEE. ISSN: 2642-4339, ISBN: 978-9-4639-6809-6, id.234*
 11. Nakagawa, Akiharu ;Kurayama, Tomoharu ;Sudou, Hiroshi ;Orosz, Gabor "Properties of pulsating OH/IR stars revealed from astrometric VLBI observation" ,2024, *Cosmic Masers: Proper Motion Toward the Next-Generation Large Projects, held 20-24 March, 2023 in Kagoshima, Japan. Proceedings of the International Astronomical Union*, **Volume 380**, pp.300-308
 12. Michiyama, Tomonari ; Saito, Toshiki ; Nakanishi, Kouichiro ; Iono, Daisuke ; Tadaki, Ken-ichi ; Molina, Juan ; Lee, Bumhyun ; Zhuang, Ming-Yang ; Ueda, Junko ; Izumi, Takuma ; Ho, Luis C. "From Non-detection to Detection: Atacama Compact Array Mosaic Observations of Faint Extended [C I] Emission in NGC 7679" ,2025, *Research Notes of the AAS*, **Volume 9**, Issue 3, id.52
 13. Shibaike, Yuhito ; Ueda, Takahiro ; Fukagawa, Misato "Predictions of dust continuum observations of circumplanetary disks with ngVLA: A case study of PDS 70 c" ,2025, *ngVLA-J momo series*, 5 pages, 2 figures, 3 tables
 14. Nakagawa, A. ; Watanabe, R. ; Kurayama, T. ; Sudou, H. ; Orosz, G. search by orcid ; Kamizuka, T. ; Tachibana, K."VLBI astrometry for OH/IR stars and Period-Luminosity relation in very long period range" , 2025, *Proceedings of the 16th EVN Symposium*, Edited by E. Ros, P. Benke, S.A. Dzib, I. Rottmann, & J.A. Zensus. Bonn: Max-Planck-Institut für Radioastronomie, 2024, pp.137-140,