

< 学術論文 >

**Statistical Properties of the Nebular Spectra of 103 Stripped-envelope Core-collapse Supernovae**

- 2544 Fang, Q., Maeda, K., Kuncarayakti, H., Tanaka, M., Kawabata, K.S., Hattori, T., Aoki, K.,  
Moriya, T.J., Yamanaka, M.  
The Astrophysical Journal, 928, 151 (31 pages)  
April 2022

**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**

- 2545 Yamada, Satoshi; Ueda, Yoshihiro; Herrera-Endoqui, Martín; Toba, Yoshiki; Miyaji, Takamitsu; Ogawa, Shoji; Uematsu, Ryosuke; Tanimoto, Atsushi; Imanishi, Masatoshi; Ricci, Claudio  
The Astrophysical Journal Supplement Series, Volume 265, Issue 2, id.37, 66 pp.  
April 2022

**Spectroscopic observations of V455 Andromedae superoutburst in 2007: The most exotic spectral features in dwarf nova outbursts**

- 2546 Tampo, Yusuke ; Nogami, Daisaku ; Kato, Taichi ; Ayani, Kazuya ; Naito, Hiroyuki ; Narita, Norio ; Fujii, Mitsugu ; Hashimoto, Osamu ; Kinugasa, Kenzo ; Honda, Satoshi ; Takahashi, Hidenori ; Narusawa, Shin-ya ; Sakamoto, Makoto ; Imada, Akira  
Publications of the Astronomical Society of Japan, Volume 74, Issue 2, pp.460-476  
April 2022

**Romanov V48: unusual intermediate polar in the period gap**

- 2547 Kato, Taichi ; Romanov, Filipp D.  
Variable Star Bulletin No. 98 (12 pages, 8 figures)  
April 2022

**Gaia19bxc: possible polar below the period minimum**

- 2548 Kato, Taichi  
Variable Star Bulletin No. 99 (7 pages, 4 figures)  
April 2022

**Z Cam star PY Per in SU UMa state?**

- 2549 Kato, Taichi  
Variable Star Bulletin No. 100 (6 pages, 3 figures)  
April 2022

**Orbital Evolution of Close-in Super-Earths Driven by Atmospheric Escape**

- 2550 Naho Fujita, Yasunori Hori, Takanori Sasaki  
The Astrophysical Journal, Volume 928, Issue 2, id.105, 13 pp.  
April 2022

**Long-term Evolution of a Supernova Remnant Hosting a Double Neutron Star Binary**

- 2551 Matsuoka, T., Lee, S.-H., Maeda, K., Takiwaki, T., Moriya, T.J.  
The Astrophysical Journal, 930, 143 (17 pages)  
May 2022

**The eROSITA Final Equatorial–Depth Survey (eFEDS). A multiwavelength view of WISE mid–infrared galaxies/active galactic nuclei**

- 2552 Toba, Yoshiki ; Liu, Teng ; Urrutia, Tanya ; Salvato, Mara ; Li, Junyao ; Ueda, Yoshihiro ; Brusa, Marcella ; Yutani, Naomichi ; Wada, Keiichi ; Nishizawa, Atsushi J. ; Buchner, Johannes ; Nagao, Tohru ; Merloni, Andrea ; Akiyama, Masayuki ; Arcodia, Riccardo ; Hsieh, Bau–Ching ; Ichikawa, Kohei ; Imanishi, Masatoshi ; Inoue, Kaiki T. ; Kawaguchi, Toshihiro ; Lamer, Georg ; Nandra, Kirpal ; Silverman, John D. ; Terashima, Yuichi  
Astronomy & Astrophysics, Volume 661, id.A15, 18 pp.  
May 2022

**Negative superhumps in the eclipsing Z Cam + VY Scl star ES Dra**

- 2553 Kato, Taichi  
Variable Star Bulletin No. 101 (13 pages, 8 figures)  
May 2022

**Analysis of TESS observations of V844 Her during the 2020 superoutburst**

- 2554 Kato, Taichi  
Variable Star Bulletin No. 102 (12 pages, 6 figures)  
May 2022

**ALMA Lensing Cluster Survey: ALMA–Herschel Joint Study of Lensed Dusty Star–forming Galaxies across  $z \approx 0.5 - 6$**

- 2555 Sun, Fengwu; Egami, Eiichi; Fujimoto, Seiji; Rawle, Timothy; Bauer, Franz E.; Kohno, Kotaro; Smail, Ian; Pérez–González, Pablo G.; Ao, Yiping; Chapman, Scott C. ; Combes, Francoise; Dessauges–Zavadsky, Miroslava; Espada, Daniel; González–López, Jorge; Koekemoer, Anton M.; Kokorev, Vasily; Lee, Minju M.; Morokuma–Matsui, Kana; Muñoz Arancibia, Alejandra M. ; Oguri, Masamune ; Pelló, Roser; Ueda, Yoshihiro; Uematsu, Ryoike; et al.  
The Astrophysical Journal, Volume 932, Issue 2, id.77, 36 pp.  
June 2022

**NuSTAR Observations of 52 Compton–thick Active Galactic Nuclei Selected by the Swift/Burst Alert Telescope All–sky Hard X–Ray Survey**

- 2556 Tanimoto, Atsushi ; Ueda, Yoshihiro ; Odaka, Hirokazu ; Yamada, Satoshi ; Ricci, Claudio  
The Astrophysical Journal Supplement Series, Volume 260, Issue 2, id.30, 24 pp.  
June 2022

**MUSSES2020J: The Earliest Discovery of a Fast Blue Ultraluminous Transient at Redshift 1.063**

- 2557 Jiang, J., Yasuda, N., Maeda, K., Tominaga, N., Doi, M., Ivezić, Z., Yoachim, P., Uno, K., Moriya, T.J., Kumar, B., Pan, Y.–C., Tanaka, M., Tanaka, M., Nomoto, K., Jha, S.W., Ruiz–Lapuente, P., Jones, D., Shigeyama, T., Suzuki, N., Kokubo, M., Furusawa, H., Miyazaki, S., Connolly, A.J., Sahu, D.K., Anupama, G.C.  
The Astrophysical Journal Letter, 933, L36 (9 pages)  
July 2022

**BASS. XXIV. The BASS DR2 Spectroscopic Line Measurements and AGN Demographics**

- 2558 Oh, Kyuseok ; Koss, Michael J. ; Ueda, Yoshihiro ; Stern, Daniel ; Ricci, Claudio ; Trakhtenbrot, Benny ; Powell, Meredith C. ; den Brok, Jakob S. ; Lamperti, Isabella ; Mushotzky, Richard ; Ricci, Federica ; Bär, Rudolf E. ; Rojas, Alejandra F. ; Ichikawa, Kohei ; Riffel, Rogério ; Treister, Ezequiel ; Harrison, Fiona ; Urry, C. Megan ; Bauer, Franz E. ; Schawinski, Kevin  
The Astrophysical Journal Supplement Series, Volume 261, Issue 1, id.4, 24 pp.  
July 2022

**BASS. XXX. Distribution Functions of DR2 Eddington Ratios, Black Hole Masses, and X-Ray Luminosities**

- 2559 Ananna, Tonima Tasnim ; Weigel, Anna K. ; Trakhtenbrot, Benny ; Koss, Michael J. ; Urry, C. Megan ; Ricci, Claudio ; Hickox, Ryan C. ; Treister, Ezequiel ; Bauer, Franz E. ; Ueda, Yoshihiro ; Mushotzky, Richard ; Ricci, Federica ; Oh, Kyuseok ; Mejía-Restrepo, Julian E. ; den Brok, Jakob ; Stern, Daniel ; Powell, Meredith C. ; Caglar, Turgay ; Ichikawa, Kohei ; Wong, O. Ivy ; Harrison, Fiona A. ; Schawinski, Kevin  
The Astrophysical Journal Supplement Series, Volume 261, Issue 1, id.9, 44 pp.  
July 2022

**Dragging three-point method for measurement of telescope optics**

- 2560 Kurita, M., Morimoto, Y., Emi, Naoto.  
Optics Continuum Vol.1, issue 7, pp.1552-1564  
July 2022

**Multiwavelength observations of the black hole X-ray binary MAXI J1820+070 in the rebrightening phase**

- 2561 Yoshitake, Tomohiro ; Shidatsu, Megumi ; Ueda, Yoshihiro ; Mineshige, Shin ; Murata, Katsuhiro L. ; Adachi, Ryo ; Maehara, Hiroyuki ; Nogami, Daisaku ; Negoro, Hitoshi ; Kawai, Nobuyuki ; Niwano, Masafumi ; Hosokawa, Ryohei ; Saito, Tomoki ; Oasa, Yumiko ; Takarada, Takuya ; Shigeyoshi, Takumi ; Oister Collaboration  
Publications of the Astronomical Society of Japan, Volume 74, Issue 4, pp.805-814  
August 2022

**Data-stitching algorithm based on elasticity**

- 2562 Mikio Kurita and Asuka Ishii  
Applied Optics Vol. 61, Issue 28, pp. 8333-8340  
August 2022

**Long-term Evolution of Nonthermal Emission from Type Ia and Core-collapse Supernova Remnants in a Diversified Circumstellar Medium**

- 2563 Kobashi, Ryosuke; Yasuda, Haruo; Lee, Shiu-Hang  
The Astrophysical Journal, 936, pp26-45  
September 2022

**Ultraviolet Spectroscopy and TARDIS Models of the Broad-lined Type Ic Supernova 2014ad**

- 2564 Kwok, L. A., Williamson, M., Jha, S. W., Modjaz, M., Camacho-Neves, Y., Foley, R. J., Garnavich, P., Maeda, K., Milisavljevic, D., Pandya, V., Dai, M., McCully, C., Pritchard, T., Singhal, J.  
The Astrophysical Journal, 937, 40 (19 pages)  
September 2022

**The Sparkler: Evolved High-redshift Globular Cluster Candidates Captured by JWST**

- 2565 L. Mowla; K. Iyer; G. Desprez; V. Estrada-Carpenter; N. Martis; G. Noirot; G. Sarrouh; V. Strait; Y. Asada; R. Abraham; G. Brammer; M. Sawicki; C. Willott; M. Bradac; R. Doyon; K. Gould; A. Muzzin; C. Pacifici; W. Ravindranath; & J. Zabl  
The Astrophysical Journal Letters, Volume 937, Issue 2, id.L35, 9 pp.  
October 2022

**BASS XXXVII: The Role of Radiative Feedback in the Growth and Obscuration Properties of Nearby Supermassive Black Holes**

- 2566 Ricci, C. ; Ananna, T. T. ; Temple, M. J. ; Urry, C. M. ; Koss, M. J. ; Trakhtenbrot, B. ; Ueda, Y. ; Stern, D. ; Bauer, F. E. ; Treister, E. ; Privon, G. C. ; Oh, K. ; Paltani, S. ; Stalevski, M. ; Ho, L. C. ; Fabian, A. C. ; Mushotzky, R. ; Chang, C. S. ; Ricci, F. ; Kakkad, D. ; Sartori, L. ; Baer, R. ; Caglar, T. ; Powell, M. ; Harrison, F.  
The Astrophysical Journal, Volume 938, Issue 1, id.67, 11 pp.  
October 2022

- BASS XXXII: Studying the Nuclear Millimeter–wave Continuum Emission of AGNs with ALMA at Scales  $\leq 100\text{--}200$  pc**  
 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. ;  
 2567 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.  
 The Astrophysical Journal, Volume 938, Issue 1, id.87, 32 pp.  
 October 2022
- Broadband X–Ray Spectral Analysis of the Dual AGN System Mrk 739**  
Inaba, Koki ; Ueda, Yoshihiro ; Yamada, Satoshi ; Ogawa, Shoji ; Uematsu, Ryosuke ; Tanimoto, Atsushi ; Ricci, Claudio  
 2568 The Astrophysical Journal, Volume 939, Issue 2, id.88, 10 pp.  
 November 2022
- Sun–as–a–star Analyses of Various Solar Active Events Using  $H\alpha$  Spectral Images Taken by SMART/SDDI**  
 2569 Takato Otsu, Ayumi Asai, Kiyoshi Ichimoto, Takako T. Ishii, Kosuke Namekata  
 The Astrophysical Journal, Volume 939, Issue 2, id.98, 15 pp.  
 November 2022
- Probing the Structure and Evolution of BASS Active Galactic Nuclei through Eddington Ratios**  
 Ananna, Tonima Tasnim ; Urry, C. Megan ; Ricci, Claudio ; Natarajan, Priyamvada ; Hickox, Ryan C. ; Trakhtenbrot, Benny ; Treister, Ezequiel ; Weigel, Anna K. ; Ueda, Yoshihiro ; Koss, Michael J. ; Bauer, F. E. ; Temple, Matthew J. ; Baloković, Mislav ; Mushotzky, Richard ; Auge, Connor ; Sanders, David B. ; Kakkad, Darshan ; et al.  
 2570 The Astrophysical Journal Letters, Volume 939, Issue 1, id.L13, 8 pp.  
 November 2022
- BASS. XXXIII. Swift–BAT Blazars and Their Jets through Cosmic Time**  
 Marcotulli, L. ; Ajello, M. ; Urry, C. M. ; Paliya, V. S. ; Koss, M. ; Oh, K. ; Madejski, G. ; Ueda, Y. ; Baloković, M. ; Trakhtenbrot, B. ; Ricci, F. ; Ricci, C. ; Stern, D. ; Harrison, F. ; Powell, M. C. ; BASS Collaboration  
 2571 The Astrophysical Journal, Volume 940, Issue 1, id.77, 25 pp.  
 November 2022
- XXL–HSC: Link between AGN activity and star formation in the early Universe ( $z > 3.5$ )**  
 Pouliasis, E. ; Mountrichas, G. ; Georgantopoulos, I. ; Ruiz, A. ; Gilli, R. ; Koulouridis, E. ; Akiyama, M. ; Ueda, Y. ; Garrel, C. ; Nagao, T. ; Paltani, S. ; Pierre, M. ; Toba, Y. ; Vignali, C.  
 2572 Astronomy & Astrophysics, Volume 667, id.A56, 19 pp.  
 November 2022
- Horizons: nuclear astrophysics in the 2020s and beyond**  
 Schatz, H., et al., ... Maeda, K., et al.  
 2573 Journal of Physics G: Nuclear and Particle Physics, 49, 110502 (78 pages)  
 November 2022
- Properties of Type Ia<sub>x</sub> Supernova 2019muj in the Late Phase: Existence, Nature, and Origin of the Iron–rich Dense Core**  
 2574 Maeda, K., Kawabata, M.  
 The Astrophysical Journal, 941, 15 (21 pages)  
 December 2022
- One–dimensional Numerical Study on Ignition of the Helium Envelope in Dynamical Accretion during the Double–degenerate Merger**  
 2575 Iwata, K., Maeda, K.  
 The Astrophysical Journal, 941, 87 (10 pages)  
 December 2022

- The Obscured Fraction of Quasars at Cosmic Noon**  
 Vijarnwannaluk, Bovornpratch ; Akiyama, Masayuki ; Schramm, Malte ; Ueda, Yoshihiro ;  
 2576 Matsuoka, Yoshiki ; Toba, Yoshiki ; Sawicki, Marcin ; Gwyn, Stephen ; Pflugradt, Janek  
 The Astrophysical Journal, Volume 941, Issue 1, id.97, 25 pp.  
 December 2022
- Extreme Nature of Four Blue-excess Dust-obscured Galaxies Revealed by Optical Spectroscopy**  
 Noboriguchi, Akatoki ; Nagao, Tohru ; Toba, Yoshiki ; Ichikawa, Kohei ; Kajisawa, Masaru ; Kato,  
 2577 Nanako ; Kawaguchi, Toshihiro ; Matsuhara, Hideo ; Matsuoka, Yoshiki ; Onishi, Kyoko ; Onoue,  
 Masafusa ; Tamada, Nozomu ; Terao, Koki ; Terashima, Yuichi ; Ueda, Yoshihiro ; Yamashita,  
 Takuji ; et al.  
 The Astrophysical Journal, Volume 941, Issue 2, id.195, 15 pp.  
 December 2022
- Diversity of Dust Properties in External Galaxies Confirmed by Polarization Signals from Type II Supernovae**  
 Nagao, T., Patat, F., Maeda, K., Baade, D., Mattila, S., Taubenberger, S., Kotak, R., Cikota, A.,  
 2578 Kuncarayakti, H., Bulla, M., Maund, J.  
 The Astrophysical Journal Letters, 941, L4 (9 pages)  
 December 2022
- Late-time H/He-poor Circumstellar Interaction in the Type Ic Supernova SN 2021ocs: An Exposed Oxygen-Magnesium Layer and Extreme Stripping of the Progenitor**  
 Kuncarayakti, H., Maeda, K., Dessart, L., Nagao, T., Fulton, M., Gutierrez, C. P., Huber, M.  
 2579 E., Young, D. R., Kotak, R., Mattila, S., Anderson, J. P., Ferrari, L., Folatelli, G., Gao, H.,  
 Magnier, E., Smith, K. W., Srivastav, S.  
 The Astrophysical Journal Letters, 941, L32 (7 pages)  
 December 2022
- PNV J00444033+4113068: Early superhumps with 0.7 mag amplitude and non-red color**  
Tampo, Yusuke ; Isogai, Keisuke ; Kojiguchi, Naoto ; Uemura, Makoto ; Kato, Taichi ; Tordai,  
 2580 Tamás ; Vanmunster, Tonny ; Itoh, Hiroshi ; Dubovsky, Pavol A. ; Medulka, Tomáš ; Sano, Yasuo  
 ; Hamsch, Franz-Josef ; Taguchi, Kenta ; Maehara, Hiroyuki ; Ito, Junpei ; Nogami, Daisaku  
 Publications of the Astronomical Society of Japan, Volume 74, Issue 6, pp.1287-1294  
 December 2022
- Optical IFU observations of GOALS sample with KOOLS-IFU on Seimei Telescope: Initial results of nine U/LIRGs at  $z < 0.04$**   
 Toba, Y., Yamada, S., Matsubayashi, K., Terao, K., Moriya, A., Ueda, Y., Ohta, K.,  
 2581 Hashiguchi, A., Himoto, K. G., Izumiura, H., Joh, K., Kato, N., Koyama, K., Maehara, H.,  
 Misato, R., Noboriguchi, A., Ogawa, S., et al.  
 Publications of the Astronomical Society of Japan, Volume 74, Issue 6, pp.1356-1367  
 December 2022
- Large-scale outflow structure and radiation properties of super-Eddington flow: Dependence on the accretion rates**  
 2582 Shogo Yoshioka, Shin Mineshige, Ken Ohsuga, Tomohisa Kawashima and Takaaki Kitaki  
 Publications of the Astronomical Society of Japan, Volume 74, Issue 6, pp.1378-1395  
 December 2022
- Frontiers in accretion physics at high X-ray spectral resolution**  
 Gandhi, P. ; Kawamuro, T. ; Díaz Trigo, M. ; Paice, J. A. ; Boorman, P. G. ; Cappi, M. ; Done,  
 2583 C. ; Fabian, A. C. ; Fukumura, K. ; García, J. A. ; Greenwell, C. L. ; Guainazzi, M. ; Makishima,  
 K. ; Tashiro, M. S. ; Tomaru, R. ; Tombesi, F. ; Ueda, Y.  
 Nature Astronomy, Volume 6, p. 1364-1375  
 December 2022

- A Multiwavelength View of the Rapidly Evolving SN 2018ivc: An Analog of SN I Ib 1993J but Powered Primarily by Circumstellar Interaction**  
2584 Maeda, K., Chandra, P., Moriya, T. J., Reguitti, A., Ryder, S., Matsuoka, T., Michiyama, T., Pignata, G., Hiramatsu, D., Bostroem, K. A., Kundu, E., Kuncarayakti, H., Bersten, M. C., Pooley, D., Lee, S.-H., Patnaude, D., Rodriguez, O., Folatelli, G.  
The Astrophysical Journal, 942, 17 (18 pages)  
January 2023
- Statistical Study of the Star Formation Efficiency in Bars: Is Star Formation Suppressed in Gas-rich Bars?**  
2585 Maeda, F., Egusa, F., Ohta, K., Fujimoto, Y., Habe, A.  
The Astrophysical Journal, 943, Issue 1, id.7, 16 pp.  
January 2023
- Comprehensive coverage of particle acceleration and kinetic feedback from the stellar mass black hole V404 Cygni**  
2586 Fender, R. P. ; Mooley, K. P. ; Motta, S. E. ; Bright, J. S. ; Williams, D. R. A. ; Rushton, A. P. ; Beswick, R. J. ; Miller-Jones, J. C. A. ; Kimura, M. ; Isogai, K. ; Kato, T.  
Monthly Notices of the Royal Astronomical Society, Volume 518, Issue 1, pp.1243-1259  
January 2023
- Very low state in PY Per in 2022**  
Kato, Taichi  
2587 Variable Star Bulletin No. 104 (6 pages, 3 figures)  
January 2023
- LS And: WZ Sge-type outburst first time since the 1971 discovery**  
Kato, Taichi  
2588 Variable Star Bulletin No. 105 (8 pages, 4 figures)  
January 2023
- Rattling Call of Crested Honey Buzzard *Pernis ptilorhynchus***  
Kato, Taichi; Chiu, Chia-Te; Tsai, Die-Hua; Pavlenko, Elena; Kosareva, Marina; Itou, Hironobu; Kono, Haruka  
2589 Ornithological Science, Volume 22, Issue 1, pp.97-104  
January 2023
- SN 2020uem: a Possible Thermonuclear Explosion within a Dense Circumstellar Medium. I. The Nature of Type II<sub>n</sub>/Ia-CSM SNe from Photometry and Spectroscopy**  
2590 Uno, K., Maeda, K., Nagao, T., Nakaoka, T., Motohara, K., Tajitsu, A., Konishi, M., Koyama, S., Takahashi, H., Tanaka, M., Kuncarayakti, H., Kawabata, M., Yamanaka, M., Aoki, K., Isogai, K., Taguchi, K., Ogawa, M., Kawabata, K. S., Yoshii, Y., Miyata, T., Imazawa, R.  
The Astrophysical Journal, 944, 203 (17 pages)  
February 2023
- SN 2020uem: a Possible Thermonuclear Explosion within a Dense Circumstellar Medium (II). The Properties of the CSM from Polarimetry and Light-curve Modeling**  
2591 Uno, K., Nagao, T., Maeda, K., Kuncarayakti, H., Tanaka, M., Kawabata, K. S., Nakaoka, T., Kawabata, M., Yamanaka, M., Aoki, K., Isogai, K., Ogawa, M., Tajitsu, A., Imazawa, R.  
The Astrophysical Journal, 944, 204 (13 pages)  
February 2023

- A JWST Near- and Mid-infrared Nebular Spectrum of the Type Ia Supernova 2021aefx**  
Kwok, L. A., Jha, S. W., Temim, T., Fox, O. D., Larison, C., Camacho-Neves, Y., Brenner  
Newman, M. J., Pierel, J. D. R., Foley, R. J., Andrews, J. E., Badenes, C., Barna, B., Bostroem,  
2592 K. A., Deckers, M., Flors, A., Garnavich, P., Graham, M. L., Graur, O., Hosseinzadeh, G.,  
Howell, D. A., Hughes, J. P., Johansson, J., Kendrew, S., Kerzendorf, W. E., Maeda, K., et al.  
The Astrophysical Journal Letters, 944, L3 (15 pages)  
February 2023
- The interaction of supernova 2018evt with a substantial amount of circumstellar matter – An  
SN 1997cy-like event**  
Yang, Y., Baade, D., Hoeflich, P., Wang, L., Cikota, A., Chen, T.-W., Burke, J., Hiramatsu, D.,  
2593 Pellegrino, C., Howell, D.A., McCully, C., Valenti, S., Schulze, S., Gal-Yam, A., Wang, L.,  
Filippenko, A.V., Maeda, K., et al.  
Monthly Notices of the Royal Astronomical Society, 519, 1618–1647  
February 2023
- Laboratory demonstration of the birefringent point-diffraction interferometer wavefront sensor**  
R. Tsukui, M. Kino, K. Yamamoto, M. Sato, M. Tohnishi, A. Matsutani, and M. Kurita  
2594 Optics Continuum Vol. 2, Issue 2, pp. 382–396  
February 2023
- SU UMa-type supercycle in the IW And-type dwarf nova BO Cet above the period gap**  
Kato, Taichi  
2595 Variable Star Bulletin No. 106 (8 pages, 3 figures)  
February 2023
- Genuine standstill in the AM CVn star CR Boo**  
Kato, Taichi ; Maeda, Yutaka ; Moriyama, Masayuki  
2596 Variable Star Bulletin No. 107 (6 pages, 2 figures)  
February 2023
- ASASSN-15cm: an SU UMa star with an orbital period of 5.0 hours**  
Kato, Taichi  
2597 Variable Star Bulletin No. 109 (10 pages, 6 figures)  
February 2023
- On the orbital period of the dwarf nova CW Mon**  
Kato, Taichi ; Hamsch, Franz-Josef  
2598 Variable Star Bulletin No. 110 (9 pages, 5 figures)  
February 2023
- MGAB-V240: 23-min AM CVn star showing both 12-d supercycle and standstills**  
Kato, Taichi  
2599 Variable Star Bulletin No. 111 (7 pages, 5 figures)  
February 2023
- A Superflare on YZ Canis Minoris Observed by the Seimei Telescope and TESS: Red  
Asymmetry of H $\alpha$  Emission Associated with White-light Emission**  
2600 Namizaki, K., Namekata, K., Maehara, H., Notsu, Y., Honda, S., Nogami, D., Shibata, K.  
The Astrophysical Journal, Volume 945, Issue 1, id.61, 9 pp.  
March 2023

**ALMA Lensing Cluster Survey: Properties of Millimeter Galaxies Hosting X-Ray-detected Active Galactic Nuclei**

2601 Uematsu, Ryosuke; Ueda, Yoshihiro; Kohno, Kotaro; Yamada, Satoshi; Toba, Yoshiki; Fujimoto, Seiji; Hatsukade, Bunyo; Umehata, Hideki; Espada, Daniel; Sun, Fengwu; Magdis, Georgios E.; Kokorev, Vasily; Ao, Yiping  
The Astrophysical Journal, Volume 945, Issue 2, id.121, 9 pp.  
March 2023

**Resurrection of Type IIL Supernova 2018ivc: Implications for a Binary Evolution Sequence Connecting Hydrogen-rich and Hydrogen-poor Progenitors**

2602 Maeda, K., Michiyama, T., Chandra, P., Ryder, S., Kuncarayakti, H., Hiramatsu, D., Imanishi, M.  
The Astrophysical Journal Letters, 945, L3 (8 pages)  
March 2023

**Pulsations of primordial supermassive stars induced by a general relativistic instability; visible to JWST at  $z > 12$**

2603 Nagele, C., Umeda, H., Takahashi, K., Maeda, K.  
Monthly Notices of the Royal Astronomical Society Letters, 520, L72-L77  
March 2023

**Light-curve modelling for the initial rising phase of rapidly evolving transients powered by continuous outflow**

2604 Kohki Uno, Keiichi Maeda  
Monthly Notice of the Royal Astronomical Society, Volume 521, Issue 3, 4598-4604 (7 pages)  
March 2023