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Commission G1

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The bibliographical entries for *Individual Stars* and *Collections of Data*, as well as a few *General* entries, are categorized according to the following coding scheme. Data from archives or databases, or previously published, are identified with an asterisk. The observation codes in the first four groups may be followed by one of the following wavelength codes.

- g. γ -ray. i. infrared. m. microwave. o. optical
 r. radio u. ultraviolet x. x-ray

1. Photometric data

- a. CCD b. Photoelectric c. Photographic d. Visual

2. Spectroscopic data

- a. Radial velocities b. Spectral classification c. Line identification d. Spectrophotometry

3. Polarimetry

- a. Broad-band b. Spectropolarimetry

4. Astrometry

- a. Positions and proper motions b. Relative positions only c. Interferometry

5. Derived results

- a. Times of minima b. New or improved ephemeris, period variations
 c. Parameters derivable from light curves d. Elements derivable from velocity curves
 e. Absolute dimensions, masses f. Apsidal motion and structure constants
 g. Physical properties of stellar atmospheres h. Chemical abundances
 i. Accretion disks and accretion phenomena j. Mass loss and mass exchange
 k. Rotational velocities

6. Catalogues, discoveries, charts

- a. Catalogues b. Discoveries of new binaries and novae
 c. Identification of optical counterparts of γ -ray, x-ray, IR, or radio sources d. Finding charts

7. Observational techniques

- a. New instrument development b. Observing techniques
 c. Reduction procedures d. Data-analysis techniques

8. Theoretical investigations

- a. Structure of binary systems b. Circumstellar and circumbinary matter
 c. Evolutionary models d. Loss or exchange of mass and/or angular momentum

9. Statistical investigations

10. Miscellaneous

- a. Abstract b. Addenda or errata

Abbreviations

AD	accretion disk	IP	intermediate polar	RV	radial velocity
BH	black hole	LC	light curve	SB	spectroscopic binary
CB	close binary	LMXB	low-mass x-ray binary	WD	white dwarf
CV	cataclysmic variable	NS	neutron star	WR	Wolf-Rayet star
EB	eclipsing binary	PSR	pulsar	GW	gravitational wave
HMXB	high-mass x-ray binary	QPO	quasi-periodic oscillation		

Individual Stars

QR And (RX J0019.8+2156) V757 And	<i>Zang, L., Qian, S., Fernández-Lajús, E.</i> 2023, MNRAS 522, 2732. (1ao, 5abcij) Light and period variations in the supersoft X-ray source. <i>Alenazi, M.S., Elkhateeb, M.M.</i> 2023, Ap 66, 24. (5abce) Photometric study and orbital solution.
R Aqr	<i>Huang, C.D. et al.</i> (6 authors) 2023, ApJ 947, 11. (1ou, 2d) Shocks and photoionization in the jet.
CW Aqr	<i>Vijaya, A., Sriram, K.</i> 2023, RAA 23, 055009. (1ao, 5abcj) High-temperature marginal contact binary with a third body.
HV Aqr	<i>Zubairi, A.W. et al.</i> (8 authors) 2023, NewA 100, 101989. (1ao, 2co, 5abceg) Low-mass-ratio contact binary.
V1333 Aql	<i>Fijma, S. et al.</i> (5 authors) 2023, MNRAS 521, 4490-4503. (2xr) Jet/accretion coupling.
V1343 Aql (SS 433)	<i>Chereshchuk, A.M. et al.</i> (8 authors) 2022, ARep 66, 451. (1ar, 2a, 5b) Optical monitoring in 2017-2021. <i>Papavasileiou, Th.V., Kosmas, O.T., Sinatkas, I.</i> 2023, A&A 673, A162. (8bd) Prediction of γ -ray emission from the BH XB after absorption. <i>Sakemi, H. et al.</i> (4 authors) 2023, PASJ 75, 338. (1r, 5j) Molecular clouds at the eastern edge of the radio nebula W 50.
V1487 Aql (GRS 1915+105)	<i>Papavasileiou, Th.V., Kosmas, O.T., Sinatkas, I.</i> 2023, A&A 673, A162. (8bd) Prediction of γ -ray emission from the BH XB after absorption. <i>Tian, P. et al.</i> (21 authors) 2023, Nature 621, 271. (1rx, 3ar, 5ij) Subsecond periodic radio oscillations in the microquasar. <i>Wang, Y. et al.</i> (7 authors) 2023, ChA&A 47, 625. (2dx, 5ei) X-ray energy spectra and BH spin estimate
V801 Ara (4U 1636–53)	<i>Lyu, M. et al.</i> (4 authors) 2023, A&A 677, A156. (2abo, 5i) Reflection properties of the NS LMXB.
V821 Ara (GX 339-4)	<i>Jin, Y.J. et al.</i> (8 authors) 2023, ApJ 953, 33. (1ax, 2dx, 5i) LMXB QPOs during the 2021 outburst. <i>Liu, H. et al.</i> (9 authors) 2023, ApJ 950, 5. (2dx) Relativistic reflection spectra during the hard-to-soft transition. <i>Yang, Z.-X. et al.</i> (33 authors) 2023, 521, 3570. (2dx) Fast transitions of X-ray variability during the 2021 outburst.
RX Ari α Aur	<i>Khaliullina, A.I.</i> 2023, ARep 67, 554. (5bc) EB orbital period variations. <i>Marini, E. et al.</i> (6 authors) 2023, A&A 676, A19. (8c) An insight into Capella: From the extent of core overshoot to its evolutionary history.
V495 Aur	<i>Öztürk, O., Erdem, A.</i> 2023, NewA 102, 102036. (1ao*, 5abce) Semidetached EB first photometric study.
V589 Aur	<i>Öztürk, O., Erdem, A.</i> 2023, NewA 102, 102036. (1ao*, 5abce) Semidetached EB first photometric study.
V826 Aur	<i>Tobin, R.W., Berrington, R.C.</i> 2023, NewA 101, 102019. (1ao, 5abce) Overcontact binary.
TU Boo	<i>Wang, J.-J. et al.</i> (4 authors) 2023, RAA 23, 045010. (1ao, 5abcfj) New photometric investigations of the G-type contact binary.
NY Boo	<i>Meng, F. et al.</i> (6 authors) 2023, ApJ 954, 111. (1ao, 2ao, 4aco, 5abcde) An active deep and low-mass-ratio contact binary with a cool companion in a hierarchical triple system.

RR Cae	<i>Rattanamala, R. et al.</i> (12 authors) 2023, MNRAS 523, 5086a. (1a, 2a, 5abe) Eclipse timing variations in the WD+dM EB.
AS Cam	<i>Volkov, I.M.</i> 2023, ARep 67, 320. (1a, 5cef) New apsidal motion value and physical parameters.
CI Cam	<i>Barsukova, E.A. et al.</i> (13 authors) 2023, AstBu 78, 1. (1ab, 2acd, 5be) The B[e] star in the optical range.
V478 Cam	<i>Öztürk, O., Erdem, A.</i> 2023, NewA 102, 102036. (1ao*, 5abce) Semidetached EB first photometric study.
η Car	<i>Damineli, A. et al.</i> (26 authors) 2023, ApJ 954, 65. (2aioru) Are long-term spectral changes caused by a dissipating occulter? <i>Gull, T.R. et al.</i> (14 authors) 2023, ApJ 954, 104. (2aioru) The dissipating occulter is an extended structure.
GG Car	<i>Kashi, A.</i> 2023, MNRAS 523, 5876. (5i, 8b) Accretion in the EB and implications for B[e] supergiants.
IT Cas	<i>Southworth, J.</i> 2023, Obs 143, 120. (1ao, 2ao*, 5e) Rediscussion of EBs. Paper 13: The F-type twin system IT Cassiopeiae.
V662 Cas (4U 0114+65)	<i>Abdallah, M.H. et al.</i> (4 authors) 2023, MNRAS 522, 3271. (1ax, 2dx, 5ij) HMXB NuSTAR observations.
V779 Cen (Cen X-3)	<i>Klawin, M. et al.</i> (8 authors) 2023, A&A 675, A135. (1bx, 5b) Orbital ephemerides using Insight-HXMT, RXTE, Swift/BAT, and NuSTAR.
γ Cep	<i>Camargo, B.C.B., Kley, W., Winter, O.C.</i> 2023, MNRAS 522, 6394. (8b, 9) The influence of a close secondary star on the planetary formation.
DH Cep	<i>Abdul Qadir, Y. et al.</i> (5 authors) 2023, A&A 677, A75. (3ao, 5k) High-precision broadband linear polarimetry of the early-type binary in the open cluster NGC 7380.
V769 Cep	<i>Song, F.-F. et al.</i> (5 authors) 2023, RAA 23, 095015. (1ao, 6abd) Probably an EA EB and not a BY Dra variable.
AA Cet	<i>Yildirim, M.F., Soydugan, F.</i> 2023, RAA 23, 075013. (1ao, 2a, 5abcdej) Photometric investigation of the contact binary system.
CN Cha	<i>Kato, M., Hachisu, I.</i> 2023, ApJ 951, 128. (1ao, 8a) Theoretical LC models for the symbiotic nova.
12 Com	<i>Lam R. et al.</i> (14 authors) 2023, AJ 166, 29. (2a, 4c) Precise age for the Coma Berenices cluster binary.
T CrA	<i>Whelan, E.T., Murphy, A., Pascucci, I.</i> 2023, ApJ 951, 1. (2cdo) Multiple system with multiple jets.
α CrB	<i>Schmitt, J.H.M.M. et al.</i> (4 authors) 2023, A&A 676, A86. (1ao, 1bx, 5f) Apsidal motion revealed through X-ray and optical eclipse timing.
T CrB	<i>Itkiewicz, K., Mikołajewska, J., Stoyanov, K.A.</i> 2023, ApJ 953, L7. (1o*u*, 5ab) Symbiotic star as an extreme SU UMa-type dwarf nova. <i>Schaefer, B.E.</i> 2023, MNRAS 524, 3146. (1abcd, 5bi) Recurrent nova LCs from 1842-2022, the unique pre- and post-eruption high-states, the complex period changes, and the upcoming eruption in 2025.5 ± 1.3 .
AS CrB	<i>Matekov, A. et al.</i> (7 authors) 2023, PASJ 75, 701. (1ao, 5abc) New results on the low-mass-ratio over-contact binary.
BM CrB	<i>Kolbin, A.I. et al.</i> (6 authors) 2023, AstLet 49, 129. (1a, 2ad, 5ad) The polar in a low state.
BP Cru (GX 301-2)	<i>Hemant, M. et al.</i> (4 authors) 2023, MNRAS 520, 1411. (1x, 5cgi) Changes in the distribution of circum-binary material.

CH Cyg	<i>Toalá, J.A. et al.</i> (6 authors) 2023, MNRAS 522, 6102. (2dx*, 5ij) XMM-Newton and Chandra views of the symbiotic system.
V404 Cyg	<i>Bartolomeo Koninckx, L., De Vito, M.A., Benvenuto, O.G.</i> 2023, A&A 674, A97. (8cd) An evolutionary model for the LMXB. <i>Hughes, A.K. et al.</i> (21 authors) 2023, MNRAS 521, 185. (1r, 5cg, 7d) Evolution of the polarized radio jet.
V1341 Cyg	<i>Jia, S.M. et al.</i> (12 authors) 2023, MNRAS 521, 4792. (2dx) Normal branch oscillations in the Z source.
V1357 Cyg	<i>Papavasileiou, Th.V., Kosmas, O.T., Sinatkas, I.</i> 2023, A&A 673, A162. (8bd) Prediction of γ -ray emission from the BH XB after absorption. <i>Poutanen, J., Veledina, A., Beloborodov, A.M.</i> 2023, ApJL 949, L10. (3a) Polarized X-rays from windy accretion. <i>Zdziarski, A.A. et al.</i> (6 authors) 2023, ApJL 951, L45. (1x, 2x) Spin-orbit misalignment in the XB.
V1504 Cyg	<i>Dobrotka, A. et al.</i> (4 authors) 2023, A&A 674, A188. (2dx, 5ij) XMM-Newton observations of the dwarf nova as a probe for the existence of an evaporated corona.
V1521 Cyg (Cyg X-3)	<i>Vilhu, O., Koljonen, K.I.I., Hannikainen, D.C.</i> 2023, A&A 674, A74. (1ax*, 5ij) Feedback between wind-fed accretion and luminosity.
V1687 Cyg (WR 140)	<i>Lau, R.M. et al.</i> (20 authors) 2023, ApJ 951, 89. (8ac) Resolving circumstellar dust from the colliding-wind binary.
V2246 Cyg (EXO 2030+375)	<i>Malacaria, C. et al.</i> (108 authors) 2023, A&A 675, A29. (3ax, 5i) A polarimetrically X-ray stare at the accreting PSR.
AP Dor	<i>Poro, A. et al.</i> (6 authors) 2023, RAA 23, 095011. (1ao, 4ao, 5abc) LC analysis of ground-based and TESS observations.
EI Eri	<i>Kriskovics, L. et al.</i> (8 authors) 2023, A&A 674, A143. (1ao, 2ao, 5g) Short and long-term magnetic activity effects in the non-eclipsing RS CVn SB1.
NQ Gem	<i>Toalá, J.A., Botello, M.K., Sabin, L.</i> 2023, ApJ 948, 14. (2dx) An XMM-Newton view of the symbiotic star.
V Gru	<i>Tanriver, M. et al.</i> (5 authors) 2023, RAA 23, 055005. (1ao, 5abc) The first multiband photometric LC solutions of the Southern system.
AC Her	<i>Anugu, N. et al.</i> (20 authors) 2023, ApJ 950, 149. (4ac, 5ei) 3D orbit determined: binary-induced truncation cannot explain the large cavity in the post-AGB transition disk.
HZ Her	<i>Garg, A. et al.</i> (5 authors) 2023, ApJL 948, L10. (1x, 2dx, 3bx) Flux-resolved spectro-polarimetric evolution of the X-ray PSR.
V359 Her	<i>Kozyreva, V.S. et al.</i> (4 authors) 2023, PZ 43, No. 5 (1ab, 5abc) EB photometric study.
V503 Her	<i>Merc, J. et al.</i> (13 authors) 2023, AJ 166, 65. (1a, 2bc, 5b) Comprehensive analysis of a symbiotic candidate.
V994 Her	<i>Zasche, P. et al.</i> (26 authors) 2023, MNRAS 520, 3127. (1ao, 5abcefg, 6b, 7d) A unique triply eclipsing sextuple star system.
V1175 Her	<i>Chang, L., Zhu, L., Meng, F.</i> 2023, RAA 23, 045017. (1ao, 5abcefj) Period investigation of the W UMa binary.
V1309 Her	<i>Matekov, A. et al.</i> (7 authors) 2023, PASJ 75, 701. (1ao, 5abc) New results on the low-mass-ratio over-contact binary.
V1494 Her (CRTS J172718.0+431624)	<i>Papageorgiou, A. et al.</i> (6 authors) 2023, AJ 165, 80. (1a, 5bc) Ultra-short-period contact EB.

RZ Hor	<i>Zhang, H., Qian, S., Liao, W.</i> 2023, PASJ 75, 732. (1ao, 5abcgj) An evolved and active Algol with a δ Scuti component.
AI Hya	<i>Kahraman Aliçavuş, F. et al.</i> (12 authors) 2023, MNRAS 520, 1601. (1ao, 2a, 5abcdeg) Spectroscopic and photometric study.
PP Lac	<i>Yılmaz, M. et al.</i> (8 authors) 2023, NewA 101, 102022. (1ao, 2ao, 5abcdeg) Spot monitoring via TESS and eclipse timing variation in the contact binary.
AF LMi	<i>Michel, R. et al.</i> (5 authors) 2023, RMxAA 59, 123. (1ao, 5abce) Contact binary photometric study.
VZ Lib	<i>Lloyd, C.</i> 2023, Obs 143, 175. (1ao, 5b) A quadruple system?
ϵ Lup A	<i>Biswas, A. et al.</i> (9 authors) 2023, MNRAS 523, 5155. (1a, 2a, 5g) Magnetospheric interactions in the contact binary. <i>Das, B. et al.</i> (15 authors) 2023, MNRAS 522, 5805. (1ax, 2dx) X-ray emission from magnetospheric interaction in the magnetic early-type star binary.
IL Lup (4U 1543–47)	<i>Prabhakar, G. et al.</i> (4 authors) 2023, MNRAS 520, 4889. (1x, 5cgi) Signature of disc-wind regulated accretion. <i>Sánchez-Sierras, J. et al.</i> (13 authors) 2023, A&A 673, A104. (2cio, 5ij) The BH transient during its 2021 ultra-luminous state.
IK Lyn	<i>Alenazi, M.S., Elkhateeb, M.M.</i> 2023, Ap 66, 24. (5abce) Newly discovered EB photometry and orbital solution.
IP Lyn	<i>Yin, Z.-X. et al.</i> (7 authors) 2023, RAA 23, 085013. (1ao, 5abcgj) A totally eclipsing contact binary with an extremely low mass ratio.
FL Lyr	<i>Kozyreva, V.S. et al.</i> (5 authors) 2023, ARep 67, 483. (5ab) The exo-Jupiter candidate FL Lyr b in Kepler and TESS.
V520 Mon (MAXI J0655–013)	<i>Pike, S.N. et al.</i> (11 authors) 2023, ApJ 954, 48. (1x, 2x) Accretion spin-up and a strong magnetic field in the slow-spinning Be XB. <i>Rai, B. et al.</i> 5 authors 2023, MNRAS 524, 1352. (1ax, 2dx, 5bi) NuSTAR study of the recently discovered Be/X-ray PSR.
V838 Mon	<i>Kamiński, T. et al.</i> (6 authors) 2023, A&A 672, A196. (2co, 5h) Lithium in the red nova and its remnants.
RS Oph	<i>De Sarkar, A. et al.</i> (5 authors) 2023, ApJ 951, 62. (8ac) Lepto-hadronic interpretation of the 2021 nova outburst.
V449 Oph	<i>Khaliullina, A.I.</i> 2023, ARep 67, 554. (5bc) EB orbital period variations.
V2116 Oph (GX 1+4)	<i>Luna, G.J.M.</i> 2023, A&A 676, L2. (1ao, 5k) Symbiotic XB K2 and TESS observations.
V2134 Oph (MXB 1658–298)	<i>Potekhin, A.Y., Gusakov, M.E., Chugunov, A.I.</i> 2023, MNRAS 522, 4830. (8ab) NS thermal evolution in the soft X-ray transient with thermodynamically consistent models of the accreted crust.
V2216 Oph (GX 9+9)	<i>Ursini, F. et al.</i> (105 authors) 2023, A&A 676, A20. (3ax, 5i) X-ray polarimetry and spectroscopy (IXPE, NuSRAR) of the NS LMXB.
V2400 Oph (RX J1712.6–2414)	<i>Hayashi, T. et al.</i> (5 authors) 2023, ApJ 953, 30. (2dx) Magnetic WD gravitational redshift.
δ Ori A	<i>Oplištilová, A. et al.</i> (16 authors) 2023, A&A 672, A31. (1ao, 2ao, 5bcdeg) Triple system secondary component spectra and orbital elements.
V1004 Ori (HIP 28271)	<i>Chen, T., Wang, K., Cao, X.</i> 2023, NewA 100, 101975. (1ao*, 2ao, 2cde) Pulsating EB.

V2769 Ori	<i>Meng, F., Zhu, L., Matekov, A.</i> 2023, <i>NewA</i> 102, 102034. (1ao, 5abce) Totally eclipsing, low mass ratio contact system.
V627 Peg	<i>Tampo, Y. et al.</i> (30 authors) 2023, <i>PASJ</i> 75, 619. (1ao, 5ij) The 2021 super-outburst of the dwarf nova lacks an early superhump phase.
γ Per	<i>Diamant, S.J.M. et al.</i> (6 authors) 2023, <i>A&A</i> 674, A162. (1ao*, 2co, 5eg) Discovery of an extended G giant chromosphere in the 2019 eclipse.
X Per	<i>Mushtukov, A.A. et al.</i> (106 authors) 2023, <i>MNRAS</i> 524, 2004. (3bx, 5) X-ray polarimetry of the X-ray PSR: another orthogonal rotator?
IW Per	<i>Takeda, Y.</i> 2023, <i>AcA</i> 73, 35. (2b, 5gh) Non-uniform chemical anomaly on the surface.
V570 Per	<i>Southworth, J.</i> 2023, <i>Obs</i> 143, 165. (1ao, 2ao*, 5e) Rediscussion of EBs. Paper 14: The F-Type System V570 Persei.
V996 Per	<i>Alenazi, M.S., Elkhateeb, M.M.</i> 2023, <i>Ap</i> 66, 24. (5abce) EB photometric study and orbital solution.
AY Psc	<i>Kára, J. et al.</i> (8 authors) 2023, <i>ApJ</i> 950, 47. (1ao, 2ado, 5bcj) Stellar and AD parameters.
V445 Pup	<i>Banerjee, D.P.K. et al.</i> (7 authors) 2023, <i>ApJL</i> 952, L26. (1i*r*, 2i*r*) Dustier than a thousand novae.
YZ Ret	<i>Hachisu, I., Kato, M.</i> 2023, <i>ApJ</i> 953, 78. (1g*o*x*, 8a) A multiwavelength LC analysis of the classical nova.
HM Sge	<i>Toalá, J.A., Botello, M.K., Sabin, L.</i> 2023, <i>ApJ</i> 948, 14. (2dx) An XMM-Newton view of the symbiotic star.
V4580 Sgr (SAX J1808.4–3658)	<i>Casten, S., Strohmayer, T.E., Bult, P.</i> 2023, <i>ApJ</i> 948, 117. (1x, 2dx) Hydrogen-triggered X-ray bursts. <i>Gasealahwe, K.V.S. et al.</i> (17 authors) 2023, <i>MNRAS</i> 521, 2806. (1orx, 5cgi) The 2019 outburst.
V5512 Sgr (GX 13+1)	<i>Saavedra, E.A. et al.</i> (7 authors) 2023, <i>MNRAS</i> 522, 3367. (1ax, 2dx, 5ij) NS LMXB relativistic X-ray reflection and photoionized absorption.
U Sco	<i>Evans, A. et al.</i> (7 authors) 2023, <i>MNRAS</i> 522, 4841. (2di, 5ij) IR spectroscopy of the recurrent nova 2022 eruption.
V818 Sco (Sco X-1)	<i>Ding, G.Q. et al.</i> (18 authors) 2023, <i>ApJ</i> 950, 69. (2dx) Detection of hard X-ray tails. <i>Jia, S.M. et al.</i> (12 authors) 2023, <i>MNRAS</i> 521, 4792. (2dx) Normal branch oscillations in the Z source. <i>Killestein, T.L. et al.</i> (6 authors) 2023, <i>MNRAS</i> 520, 5317. (1x, 2a, 5abcddeg) Corrected and refined ephemeris.
V1309 Sco	<i>Kamiński, T. et al.</i> (6 authors) 2023, <i>A&A</i> 672, A196. (2co, 5h) Lithium in the red nova and its remnants.
V479 Sct (LS 5039)	<i>Moritani, Y. et al.</i> (5 authors) 2023, <i>PASJ</i> 75, 607. (1ai, 5j) Mass-loss and dust-formation rates in O-type γ -ray binary. <i>Yoneda, H. et al.</i> (8 authors) 2023, <i>ApJ</i> 948, 77. (2dx) Nonthermal X-ray production.
EG Ser	<i>Thurman, G.M.</i> 2023, <i>MNRAS</i> 522, 1310. (1bo, 5abce) EB photometric study.
YY Sex	<i>Rawat, N. et al.</i> (8 authors) 2023, <i>MNRAS</i> 521, 2729. (1ox, 2b, 3a, 5abcdegi) Confirmation of the magnetic CV as a polar.
AY Sex (PSR J1023+0038)	<i>Baglio, M.C. et al.</i> (26 authors) 2023, <i>A&A</i> 677, A30. (2biorcx, 5c) Matter ejections behind the highs and lows of the transitional millisecond PSR.

V725 Tau (1A 0535+262) X Tri	<i>Long, X. et al.</i> (28 authors) 2023, ApJ 950, 76. (1x, 3bx) X-ray polarimetry of the accreting PSR in the supercritical state.
CF Tuc	<i>Lee, J.W. et al.</i> (5 authors) AJ 165, 159. (1a, 2a, 5abcde) Absolute properties of the oscillating eclipsing Algol.
FX UMa	<i>Sriram, K. et al.</i> (4 authors) 2023, PASJ 75, 476. (1ao, 5abg) Understanding the flare emission in the RS CVn binary with TESS.
HH UMa	<i>Wang, K. et al.</i> (6 authors) 2023, AJ 166, 42. (2a, 5de) New heartbeat binary with linear and nonlinear tidal oscillations and δ Sct pulsations.
OT UMa	<i>Chang, L., Zhu, L., Meng, F.</i> 2023, RAA 23, 045017. (1ao, 5abcefj) Period investigation of the W UMa binary.
RU UMi	<i>Zhang, B. et al.</i> 5 authors) 2023, NewA 102, 102038. (1ao, 5abce) Active contact EB.
VY UMi	<i>Kudak, V. et al.</i> (4 authors) 2023, RMxAA 59, 137. (1ao, 5abce) EB photometric analysis.
GP Vel (Vel X-1)	<i>Kudak, V. et al.</i> (4 authors) 2023, RMxAA 59, 137. (1ao, 5abce) EB photometric analysis.
PX Vir	<i>Diez, G.M. et al.</i> (10 authors) 2023, A&A 674, A147. (1ax, 2dx, 5i) Accretion wake onset.
UY Vol	<i>Forsblom, S.V. et al.</i> (101 authors) 2023, ApJL 947, L20. (1x, 2dx, 3bx) Polarimetry of the wind-accreting X-ray PSR.
CK Vul	<i>Rahin, R., Behar, E.</i> 2023, ApJ 950, 170. (2acd, 5i) The HMXB accretion stream.
PU Vul	<i>Wang, X., Xia, F., Fu, Y.</i> 2023, PASJ 75, 368. (1ai, 2ao, 5de) Orbital solution and dynamical masses.
	<i>Knight, A.H. et al.</i> (6 authors) 2023, MNRAS 520, 3416. (1x, 5cgi) Detailed study and comparison of the X-ray eclipses.
	<i>Kamiński, T. et al.</i> (6 authors) 2023, A&A 672, A196. (2co, 5h) Lithium in the red nova and its remnants.
	<i>Toalá, J.A., Botello, M.K., Sabin, L.</i> 2023, ApJ 948, 14. (2dx) An XMM-Newton view of the symbiotic star.

HR, HD, HDE, BD, CoD, CPD, SAO Objects

HD 14874	<i>Aljboor, H., Taani, A.</i> 2023, RAA 23, 075018. (2bo, 4ac, 5def) CB Speckle-interferometric study using Gaia (DR2 and EDR3).
HD 22064	<i>Marted, P.F.L.</i> 2023, MNRAS 522, 2683. (1ao, 2io, 5abcde, 6a, 7d) Fundamental effective temperature measurements for the EB.
HD 42581B (GJ 229B)	<i>Howe, A.R., Mandell, A.M., McElwain, M.W.</i> 2023, ApJL 951 L25. (8ac) May be a binary with a substellar component.
HD 45166	<i>Shenar, T. et al.</i> (16 authors) 2023, Science 381, 761. (1ao*, 2ao*, 3bo, 5bcdeg) A massive helium star with a sufficiently strong magnetic field to form a magnetar.
HD 69735 (EPIC 211982753)	<i>Panchal, A. et al.</i> (6 authors) 2023, MNRAS 521, 677. (1ao, 2a, 5abcdeg) Photometric and spectroscopic study.
HD 73470 (EPIC 211915147)	<i>Panchal, A. et al.</i> (6 authors) 2023, MNRAS 521, 677. (1ao, 2a, 5abcdeg) Photometric and spectroscopic study.

HD 165052	<i>Rosu, S. et al.</i> (4 authors) 2023, MNRAS 521, 2988. (2abc, 5bdefg, 8ac) Orbital solution, apsidal motion and fundamental parameters.
HD 215227 (MWC 656) BD+44°2258	<i>Janssens, S. et al.</i> (7 authors) 2023, A&A 677, L9. (2abo, 5e) Unlikely to contain a BH.
CPD−54°810	<i>Moharana, A. et al.</i> (8 authors) 2023, MNRAS 521, 1908. (1ao, 2a, 5abcdeg, 7b, 8c) Photometric and spectroscopic study.
	<i>Valle, G. et al.</i> (4 authors) 2023, A&A 673, A133. (8c, 9) Age and convective core overshooting calibrations in the binary.

Objects with names including RA and DEC

RX J0019.8+2156	(see QR And)
2MASS J00543343−7341012 (SMC X-2) 4U 0114+65	<i>Jaisawal, G.K. et al.</i> (10 authors) 2023, MNRAS 521, 3951. (2cdx) Cyclotron absorption line and spectral transition during the 2022 outburst. (see V662 Cas)
2MASS J01170514−7326360 (SMC X-1)	<i>Brumback, M.C. et al.</i> (5 authors) 2023, ApJ 953, 89. (1x, 2x) Evolution of the unstable AD.
ZTF J0127+5258	<i>Hu, C.-P. et al.</i> (14 authors) 2023, MNRAS 520, 3436. (1x, 5bcgi) A new excursion accompanies spin-up acceleration.
ASASSN-V J015428.67+204247.2	<i>Burdge, K.B. et al.</i> (27 authors) 2023, ApJL 953, L1. (1irux, 2ao) Orbital decay in an accreting and eclipsing 13.7 minute orbital period binary.
PSR J0211+4235	<i>Li, K.-X. et al.</i> (7 authors) 2023, PASP 135, 054201. (1ao, 2co, 5bcde) Low-mass-ratio contact binary.
PSR J0212+5321	<i>Guo, Z. et al.</i> (17 authors) 2023, RAA 23, 075008. (1r, 3ar, 5i) Single-pulse emission variation of the PSR discovered by FAST.
Swift J0243.6+6124	<i>Perez, K.I. et al.</i> (4 authors) 2023, ApJ 952, 150. (1r) Discovery of the redback binary millisecond PSR.
Swift J0243.6+6124	<i>Liu, J., Ji, L., Ge, M.</i> 2023, ApJ 950, 42. (1x, 2dx) The spin-down regime in the ULX PSR quiescent state.
MASTER OT J030227.28+191754.5	<i>Serim, M.M. et al.</i> (6 authors) 2023, MNRAS 522, 6115. (2dx, 5ij) Timing analysis with NICER and Fermi/GBM during the decay phase of the 2017-2018 outburst.
RX J0440.9+4431 (LS V +44°17) SRGe J045359.9+622444	<i>Kimura, M. et al.</i> (6 authors) 2023, ApJ 951, 124. (1x, 2x) A dwarf nova with a massive O-Ne WD component?
eRASSU J052015.3−654429	<i>Doroshenko, V. et al.</i> (112 authors) 2023, A&A 677, A57. (3ax) Complex variations in X-ray polarization in the X-ray PSR.
1A 0535+262	<i>Rodriguez, A.C. et al.</i> (27 authors) 2023, ApJ 954, 63. (1x, 2ix, 6b) A 55-min eclipsing AM CVn system.
PSR J0553+4111	<i>Greiner, J. et al.</i> (15 authors) 2023, Nature 615, 605. (1ao*u*x*, 2co, 5i, 6c) A helium-burning WD binary as a supersoft X-ray source. (see V725 Tau)
MAXI J0637−430	<i>Guo, Z. et al.</i> (17 authors) 2023, RAA 23, 075008. (1r, 3ar, 5i) Single-pulse emission variation of the PSR discovered by FAST.
MAXI J0655−013	<i>Jia, N. et al.</i> (7 authors) 2023, RAA 23, 075022. (2dx, 5i) The spin measurement of the BH candidate with high disk density. (see V520 Mon)

CRTS J073333.0+302556	<i>Michel, R. et al.</i> (5 authors) 2023, RMxAA 59, 123. (1ao, 5abce) Detached EB photometric study.
EXO 0748–676	(see UY Vol)
SRGe J075818.3–612027	<i>Ok, S. et al.</i> (8 authors) 2023, A&A 672, A188. (1aox, 2cdox, 5i, 6b) Eclipsing magnetic CV.
MAXI J0911–655	<i>Gasealahwe, K.V.S. et al.</i> (17 authors) 2023, MNRAS 521, 2806. (1orx, 5cgi) Upper limits on the radio emission.
2MASS J09251388+6424488	<i>Zhang, B. et al.</i> 5 authors) 2023, NewA 102, 102038. (1ao, 5abce) Active contact EB.
1FGL J1018.6–5856	<i>Moritani, Y. et al.</i> (5 authors) 2023, PASJ 75, 607. (1ai, 5j) Mass-loss and dust-formation rates in the O-type γ -ray binary.
PSR J1023+0038	(see AY Sex)
CXOU J121538.2+361921	<i>Lin, Z., Soria R., Swartz, D.A.</i> 2023, ApJ 954, 46. (1ai*u*x*, 2bcx*, 5e) Short-period eclipsing HMXB in NGC 4214.
MAXI J1305–704	<i>Feng, Y. et al.</i> (4 authors) 2023, MNRAS 520, 5803. (1x, 5cgi) Estimate of the spin using X-ray continuum-fitting.
PSR J1312+1810E	<i>Lian, Y. et al.</i> (6 authors) 2023, ApJL 951, L37. (4cr) Discovery and timing analysis of a new PSR in the globular cluster NGC 5024.
MAXI J1348–630	<i>Dai, X. et al.</i> (8 authors) 2023, MNRAS 521, 2692. (1x, 5cgi) Evolution of the LMXB disc and corona during the 2019 reflare. <i>Wu, H. et al.</i> (5 authors) 2023, MNRAS 522, 4323. (2dx, 5gi) A moderate BH spin revealed by Insight-HXMT. <i>Zdziarski, A.A. et al.</i> (4 authors) 2023, ApJL 947, L32. (8a) No need for extreme jet energy.
Swift J1357.2–0933	<i>Beri, A. et al.</i> (11 authors) 2023, MNRAS 522, 4598. (1aoux, 2dx, 4cr, 5ij) Millihertz X-ray variability during the BH XB 2019 outburst.
WISE J141530.75+592234.2	<i>Guo, D. et al.</i> (6 authors) 2023, PASP 135, 044201. (1a, 2a, 5abce) Very low-mass-ratio contact binary.
IGR J15094–6649	<i>Joshi, A. et al.</i> (8 authors) 2023, MNRAS 521, 6156. (1ao, 2dx) Complex X-ray emission from the disc-dominated IP.
PSR J1528–3146	<i>Berthreau, A. et al.</i> (10 authors) 2023, A&A 674, A71. (4cr*, 5be) Radio timing constraints on the binary PSR mass.
MAXI J1535–571	<i>Ding, Q. et al.</i> (5 authors) 2023, RAA 23, 085024. (1x, 5i) Nonlinear variability observed with Insight-HXMT in the BH LMXB.
MAXI J1535–571	<i>Rawat, D. et al.</i> (10 authors) 2023, MNRAS 520, 113. (1x, 5cgi) Detailed spectral and temporal analysis.
MAXI J1535–571	<i>Yu, W. et al.</i> (51 authors) 2023, ApJ 953, 191. (1x, 2cx) A spectral-timing study of the XB inner flow geometry.
MAXI J1535–571	<i>Zhang, Y. et al.</i> (10 authors) 2023, MNRAS 520, 5144. (1x, 5cgi) Jet-like corona through type-B QPOs.
4U 1543–47	(see IL Lup)
SDSS J154453.60+255348.8	<i>Medina Rodriguez, A.L. et al.</i> (6 authors) 2023, MNRAS 521, 5846. (1ao, 2ao, 5c) Long-orbital period VY Scl-type eclipsing CV.
2XMM J160050.7–514245 (Apep)	<i>del Palacio, S. et al.</i> (8 authors) 2023, A&A 672, A109. (1ax, 2dx, 5j) Non-thermal X-ray emission from the double WR colliding-wind binary.
CRTS CSS160906 J160346+193540	<i>Liu, Y. et al.</i> (4 authors) 2023, MNRAS 522, 2719. (1ai, 2aio, 5deij) Low-mass polar near the CV period minimum.

IGR J16194–2810	<i>Luna, G.J.M.</i> 2023, A&A 676, L2. (1ao, 5k) Symbiotic XB K2 and TESS observations.
MAXI J1631–479	<i>Shui, H.-Y. et al.</i> (4 authors) 2023, RAA 23, 065020. (2cx, 5gi, 8a) The broad iron K α line width-flux relation during the BH XB state transitions.
IGR J16320–4751	<i>Bodaghee, A. et al.</i> (13 authors) 2023, ApJ 951, 37. (2dx) Drop in the hard pulsed fraction in the NS HMXB and a candidate cyclotron line.
4U 1636–53	(see V801 Ara)
IGR J16418–4532	<i>Islam, N. et al.</i> (5 authors) 2023, ApJ 948, 45. (1x) Superorbital modulations in the supergiant HMXB.
IGR J16479–4514	<i>Islam, N. et al.</i> (5 authors) 2023, ApJ 948, 45. (1x) Superorbital modulations in the supergiant HMXB.
MXB 1658–298	(see V2134 Oph)
Swift J1658.2–4242	<i>Mondal, S., Jithesh, V.</i> 2023, MNRAS 522, 2065. (1x, 2dx, 5ejj) AstroSat spectral and temporal study with the JeTCAF model.
XTE J1701–462	<i>Cocchi, M. et al.</i> (108 authors) 2023, A&A 674, L10. (3bx, 5i) Strongly variable X-ray polarization in the NS LMXB.
XTE J1701–462	<i>Gasealahwe, K.V.S. et al.</i> (17 authors) 2023, MNRAS 521, 2806. (1orx, 5cgi) Upper limits on the radio emission.
RX J1712.6–2414	(see V2400 Oph)
CRTS J172718.0+431624	(see V1494 Her)
Swift J1728.9–3613	<i>Balakrishnan, M. et al.</i> (15 authors) 2023, ApJ 947, 38. (1x, 2dx) BH candidate in a SN remnant.
Swift J1728.9–3613	<i>Draghis, P.A. et al.</i> (10 authors) 2023, ApJ 947, 39. (1x, 2dx) XB BH spin.
4U 1730–22	<i>Mancuso, G.C. et al.</i> (11 authors) 2023, MNRAS 521, 5616. (2dx) Detection of millisecond QPOs.
XTE J1739–285	<i>Beri, A. et al.</i> (8 authors) 2023, MNRAS 521, 5904. (2dx) LMXB observed during the 2019-20 outburst.
IGR J17407–2808	<i>Ducci, L. et al.</i> (7 authors) 2023, A&A 674, A100. (1ax, 2dx, 5gi) LMXB X-ray flashes.
1RXS J174320.1–042953	<i>Rawat, N. et al.</i> (8 authors) 2023, MNRAS 521, 2729. (1ox, 2b, 3a, 5abcdegi) Confirmation of the magnetic CV as polar.
CXOGBS J174517.0–321356	<i>Vermette, B. et al.</i> (12 authors) 2023, Apj 954, 138. (1i*x, 2dx, 5e) WD mass and magnetic field strength of a new IP.
1RXS J174755.8–263352 (GX 3+1)	<i>Thomas, N.T., Gudennavar, S.B., Bubbly, S.G.</i> 2023, MNRAS 521, 433. (1x, 5cgi) Spectro-temporal and type I X-ray burst analysis.
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SAX J1808.4–3658	(see V4580 Sgr)
MAXI J1816–195	<i>Mandal, M. et al.</i> (5 authors) 2023, MNRAS 521, 881. (1x, 5cgi) A study of a thermonuclear X-ray burst.
4U 1820–303 (Sgr X-4)	<i>Chou, Y., Jhang, Y.-W.</i> 2023, ApJ 951, 42. (1x,2dx, 5b) Updated orbital ephemeris and detection of a superhump modulation in the ultra-compact LMXB.
	<i>Di Marco, A. et al.</i> (120 authors) 2023, ApJL 953, L22. (1rx, 2x, 3bx) First detection of X-ray polarization from the accreting NS.

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	<i>Gao, C., Yan, Z., Yu, W.</i> 2023, MNRAS 520, 5544. (1x, 5cgi) Distinct Compton and reflection contributions.
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	<i>You, B. et al.</i> (11 authors) 2023, Science 381, 961. (1ao*r*x, 5i) Formation of a magnetically arrested disk.
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X1850–087	<i>Panurach, T. et al.</i> (9 authors) 2023, ApJ 946, 88. (1rx, 2rx) Extreme radio variability in the XB hard state.
WISE J185503.7+592234	<i>Guo, D.-F. et al.</i> (5 authors) 2023, MNRAS 521, 51. (1ao, 5abceg) A particularly low mass ratio contact binary.
Swift J1858.6–0814	<i>Knight, A.H. et al.</i> (6 authors) 2023, MNRAS 520, 3416. (1x, 5cgi) Detailed study and comparison of the X-ray eclipses.
Swift J1858.6–0814	<i>Shahbaz, T. et al.</i> (11 authors) 2023, MNRAS 520, 542. (1ox, 5cgi) Optical and X-ray timing study.
2MASS J19071662+4639532 (KOI-7234)	<i>Dal, H.A., Yoldaş, E.</i> 2023, Ap&SS 368, 43. (1ao, 5eg) Low-mass EB flare activity.
4U 1909+07	<i>Islam, N. et al.</i> (5 authors) 2023, ApJ 948, 45. (1x) Superorbital modulations in the supergiant HMXB.
PSR J1909+0122	<i>Chen, Y. et al.</i> (30 authors) 2023, RAA 23, 085022. (1r, 5b, 6b) Timing and single-pulse study of the PSR Discovered by CRAFTS.
Swift J1910.2–0546	<i>Saikia, P. et al.</i> (8 authors) 2023, ApJ 949, 104. (1aox, 2x) BH XB high-amplitude optical variations.
eRASSU J191213,9–441044	<i>Schwope, A. et al.</i> (8 authors) 2023, A&A 674, L9. (1aoux, 2dx, 5ij) X-ray properties of the WD PSR.
GRS 1915+105	(see V1487 Aql)
2MASS J19291594+4637198 (KIC 9832227)	<i>Pandel, D., Molnar, L.A.</i> 2023, AJ 166, 51. (1ux, 5g) X-ray and UV observations of the contact binary.
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2MASS J19305232+4155208 (KIC 6525196)	<i>Moharana, A. et al.</i> (8 authors) 2023, MNRAS 521, 1908. (1ao, 2a, 5abcdeg, 7b, 8c) Photometric and spectroscopic study.
PSR J1933–6211	<i>Geyer, M. et al.</i> (22 authors) 2023, A&A 674, A169. (4cr, 5e) Mass and 3D orbital geometry.
SGR J1935+2154	<i>Xiao, S. et al.</i> (37 authors) 2023, ApJS 268, 5. (1x*, 9) The minimum variation timescales of X-ray bursts in a possible magnetar.
XTE J1946+274	<i>Chandra, A.D., Roy, J., Agrawal, P.C.</i> 2023, RAA 23, 045003. (1abx, 2dx, 5bcij) The Be/XB during the 2018 and 2021 outbursts.
PSR J1953+1844	<i>Pan, Z. et al.</i> (18 authors) 2023, Nature 620, 961. (2dx, 3br, 4cr, 5ij) A binary PSR in a 53-minute orbit.
EXO 2030+375	(see V2246 Cyg)
LAMOST J204305.95+341340.6	<i>Li, X. et al.</i> (8 authors) 2023, AJ 166, 56. (1a, 2c, 5b, 6c) Fast disk precession SW Sex candidate in the period gap.

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X-ray sources with constellation or galaxy names

Aql X-1

(see V1333 Aql)

Cen X-3

(see V779 Cen)

Cyg X-1

(see V1357 Cyg)

Cyg X-2

(see V1341 Cyg)

Cyg X-3

(see V1521 Cyg)

Her X-1

(see HZ Her)

NGC 247 ULX-1

Zhou, C., Feng, H., Bian, F. 2023, ApJ 947, 52. (2co) Identification of a helium donor star in the system.

NGC 4536 ULX-2

Avdan, H. et al. (10 authors) 2023, MNRAS 521, 5298. (1ao, 2dox) Optical counterparts to the candidate ULX source.

NGC 4536 ULX-3

Avdan, H. et al. (10 authors) 2023, MNRAS 521, 5298. (1ao, 2dox) Optical counterparts to the candidate ULX source.

NGC 5907 ULX1

Fürst, F. et al. (17 authors) 2023, A&A 672, A140. (1ax, 2dx, 5i) The extreme ULX PSR low state.

NGC 6946 X-1

Ghosh, T., Rana, V. 2023, ApJ 949, 78. (1x, 5i) Constraint on the accretion rate.

Sco X-1

(see V818 Sco)

Sgr X-4

(see 4U 1820–303)

SMC X-1

(see 2MASS J01170514–7326360)

SMC X-2

(see 2MASS J00543343–7341012)

Vel X-1

(see GP Vel)

Objects with other designations

Apep

(see 2XMM J160050.7–514245)

ASASSN-18aan

Nesci, R., Vagnozzi, A., Valentini, S. 2023, OEJV 236, 1. (1a, 2c) Recurrent CV.

ASASSN-19fy

Antonyuk, O.I. et al. 7 authors 2023, Ap 66, 213. (1ao, 5b) Dwarf nova in the period gap.

AzV 14

Pauli, D. et al. (19 authors) 2023, A&A 673, A40. (1ao*, 2acou, 5bgkj) Spectroscopic and evolutionary analyses of the binary system outline paths toward the WR stage at low metallicity.

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EPIC 211982753	(see HD 69735)
FRB 20121102A	<i>Chamma, M.A. et al.</i> (4 authors) 2023, MNRAS 522, 3036. (2dr, 9) A broad survey of spectro-temporal properties.
FRB 20171020A	<i>Lee-Waddell, K. et al.</i> (15 authors) 2023, PASA 40, e029. (6cd) The FRB host galaxy revisited.
G 68-34	<i>Pass, E.K., Charbonneau, D.</i> 2023, ApJ 949, 37. (1ao, 2ao, 5bcdeg) Double-lined M-dwarf EB in a hierarchical triple.
GJ 229B	(see HD 42581B)
GRB 210704A	<i>Becerra, R.L. et al.</i> (19 authors) 2023, MNRAS 522, 5204. (1agiox) Deciphering the unusual stellar progenitor.
GRB 211211A	<i>Yin, Y.-H.I. et al.</i> (8 authors) 2023, ApJL 954, L17. (8a) GWs may tell the origin of compact object mergers.
GSC 02873-03309	<i>Lloyd, C., Miller, I.</i> 2023, OEJV 237, 1. (1a, 5ab) Low-amplitude W UMa.
GSC 03937-02349	<i>Lloyd, C. et al.</i> (4 authors) 2023, Obs 143, 65. (1ao, 2ao, 5e) Short-period W UMa with a massive companion.
GSC 04364-00648	<i>Kudak, V. et al.</i> (4 authors) 2023, RMxAA 59, 137. (1ao, 5abce) EB photometric analysis.
GW191109	<i>Zhang, R.C. et al.</i> (4 authors) 2023, ApJ 954, 23. (8a) Dynamical origin and binary BH mergers with negative effective spin.
GX 1+4	(see V2116 Oph)
GX 3+1	(see 1RXS J174755.8–263352)
GX 9+9	(see V2216 Oph)
GX 13+1	(see V5512 Sgr)
GX 301-2	(see BP Cru)
GX 339-4	(see V821 Ara)
HIP 28271	(see V1004 Ori)
KIC 6525196	(see 2MASS J19305232+4155208)
KIC 7284688	(see 2MASS J19303120+4249456)
KIC 9832227	(see 2MASS J19291594+4637198)
KMT-2021-BLG-1122L	<i>Han, C. et al.</i> (22 authors) 2023, A&A 672, A8. (4cio, 6b) The first triple stellar system detected via microlensing.
KOI-7234	(see 2MASS J19071662+4639532)
LS 5039	(see V479 Sct)
LS V +44°17	(see RX J0440.9+4431)
MWC 656	(see HD 215227)
NGC 346 SSN 7	<i>Rickard, M.J., Pauli, D.</i> 2023, A&A 674, A56. (1ao, 2acou, 5bdegk) A low-metallicity massive contact binary undergoing slow Case A mass transfer.
OGLE BLG-ECL-000012	<i>Papageorgiou, A. et al.</i> (6 authors) 2023, AJ 165, 80. (1a, 5bc) Ultra-short-period contact EB.
OGLE BLG-ECL-000104	<i>Papageorgiou, A. et al.</i> (6 authors) 2023, AJ 165, 80. (1a, 5bc) Ultra-short-period contact EB.
OGLE SMC-ECL-2063	<i>Wu, C. et al.</i> (8 authors) 2023, PASJ 75, 358. (1ao, 5abcej) A low-metallicity massive contact binary.
SMCSGS-FS 69	<i>Rakmachandran, V. et al.</i> (7 authors) 2023, A&A 674, L12. (2cdo, 5eg) A partially stripped massive star in a low-metallicity Be binary.

SS 433	(see V1343 Aql)
SXP 15.3	<i>Ghisning, M. et al.</i> (5 authors) 2023, MNRAS 520, 3396. (1x, 5cgi) Temporal and spectral properties.
TIC 43152097	<i>Frasca, A. et al.</i> (8 authors) 2023, A&A 677, A154. (1ao, 2ao, 5cde) The first EB detected in NGC 2232.
TIC 219006972	<i>Kostov, V.B. et al.</i> (15 authors) 2023, MNRAS 522, 90. (1ao, 5ab, 6b) Compact, coplanar quadruple system of two EBs in a 168-d period orbit.
TIC 242132789	<i>Gao, Y. et al.</i> (6 authors) 2023, MNRAS 521, 2114. (1ao, 5cdeg, 8a) Observable tertiary tides in the system.
TYC 1417-891-1	<i>Gigoyan, K.K. et al.</i> 6 authors 2023, Ap 66, 194. (1ao*, 5bce) Gaia EDR3 and TESS photometric data for the EB.
TYC 1478-742-1	<i>Gigoyan, K.K. et al.</i> 6 authors 2023, Ap 66, 194. (1ao*, 5bce) Gaia EDR3 and TESS photometric data for the EB.
WR 140	(see V1687 Cyg)

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