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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
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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

λ And	*Martinez, A.O. et al.* (5 authors) 2021, ApJ 916, 60. (4co, 5g) Dynamical surface maps of the RS CVn system.
LO And	*Huang, H.-P. et al.* (5 authors) 2021, RAA 21, 120. (1ao, 2ao, 5abcdegj) An A-subtype contact binary with a very cool third component.
V455 And	*Dudnik, A.A. et al.* (5 authors) 2021, RAA 21, 158. (2do, 5ei, 7d) Dwarf nova WD parameters by optical spectral modeling.
R Aqr	*Bujarrabal, V. et al.* (8 authors) 2021, A&A 651, A4. (4cr, 5j) Structure and dynamics of the symbiotic system inner nebula.
V1333 Aql (Aql X-1)	*Mancuso, G.C. et al.* (5 authors) 2021, MNRAS 502, 1856. (1x, 5i) Drifts of the marginally stable burning frequency in the LMXB. *Panizo-Espinar, G. et al.* (6 authors) 2021, A&A 650, A135. (2cdo, 5ij) Optical nebular emission following the LMXB most luminous outburst.
V1343 Aql (SS 433)	*Middleton, M.J. et al.* (28 authors) 2021, MNRAS 506, 1045. (1x, 5cgij, 8a) NuSTAR reveals the hidden nature of the system. *Sakemi, H. et al.* (4 authors) 2021, PASJ 73, 530. (1gr, 5j) Energy estimation of high-energy particles of the SS 433/W 50 system through radio observation at 1.4 GHz.
V1408 Aql (4U 1957+11)	*Sharma, P. et al.* (5 authors) 2021, RAA 21, 214. (2dx, 5ei) Broad-band spectral study of the LMXB BH candidate with NuSTAR.
V1487 Aql (GRS 1915+105)	*Banerjee, A. et al.* (7 authors) 2021, ApJ 916, 68. (1i, 2i, 4c, 5i) Accretion flow properties during θ-class LC variability. *Imazato, F. et al.* (10 authors) 2021, ApJ 916, 114. (1ai, 2dx, 4cr, 5ij) Long-term variability of the BH XB in the X-ray low luminous state. *Karpouzas, K. et al.* (7 authors) 2021, MNRAS 503, 5522. (2dx*, 8) QPOs in the BH LMXB with a variable corona. *Katoch, T. et al.* (6 authors) 2021, MNRAS 501, 6123. (1ax, 2dx) Decoding the pulse in the heartbeat state. *Mineo, T. et al.* (4 authors) 2021, A&A 650, A122. (1x, 5gi) Pulse profile and spectral properties of the heartbeat system. *Motta, S.E. et al.* (12 authors) 2021, MNRAS 503, 152. (2dx, 4cr, 5i) Radio-bright, X-ray obscured BH XB.
V801 Ara (4U 1635−536)	*Mondal, A.S., Raychaudhuri, B., Dewangan, G.C.* 2021, MNRAS 504, 1331. (1x, 5cegi) Evidence of disc reflection.
V821 Ara (GX 339-4)	*Bhowmick, R. et al.* (8 authors) 2021, ApJ 910, 138. (8d) A relationship between the length of quiescent periods and ensuing outburst strength. *de Haas, S.E.M. et al.* (11 authors) 2021, MNRAS 502, 521. (2dx, 4cr, 5ij) The BH LMXB during the 2017-18 hard-only outburst. *Omama, T. et al.* (4 authors) 2021, PASJ 73, 716. (1aox, 5ij) X-ray and optical LC anti-correlation. *Petrucci, P.-O. et al.* (15 authors) 2021, A&A 649, A128. (2dx, 5ij) Disk wind properties during the HMXB outburst.
BQ Ari	*Poro, A. et al.* (17 authors) 2021, AstL 47, 402. (1a, 5bc). The EB's first LC solution and period study.
ϵ Aur	*Ignace, R. et al.* (4 authors) 2021, AJ 162, 105. (1ao, 3ao) Variable polarization in and out of eclipse.
V455 Aur	*Southworth, J.* 2021, Obs 141, 190. (1ao, 2ao, 5cde) Detached EB in a triple system.

QT Boo	*Poro, A. et al.* (9 authors) 2021, ARep 65, 543. (1a, 5ab). The first LC solution and refined ephemeris of the contact EB.
AN Cam	*Southworth, J.* 2021, Obs 141, 122. (1ao, 2ao, 5cde) The evolved O-type EB rediscussed using TESS data.
KX Cnc	*Southworth, J.* 2021, Obs 141, 22. (1ao, 2ao, 5cde) Rediscussion of the eccentric, solar-type EB using TESS data.
DD CMa	*Rosales, J.A. et al.* (8 authors) 2021, AJ 161, 165. (1aoa, 2ao, 5cdej) Semidetached with mass exchange.
GU CMa	*Obolentseva, M.A. et al* (9 authors) 2021, AstBu 76, 292. (1a, 4c). Quadruple system.
η Car	*Damineli, A. et al.* (10 authors) 2021, MNRAS 505, 963. (2bc, 5dgj) Spectroscopic signatures of the vanishing natural coronagraph. *Hirai, R. et al.* (5 authors) 2021, MNRAS 503, 4276. (8bcd) The formation of nebula through unstable triple evolution and stellar merger-induced eruption.
GG Car	*Porter, A. et al.* (4 authors) 2021, MNRAS 501, 5554. (1ao*, 2aco, 5cdegij) Binary with a B[e] supergiant primary. *Porter, A. et al.* (4 authors) 2021, MNRAS 503, 4802. (1ao*, 2ao, 5b) Orbital-phase-dependent 1.583-day periodicities in the B[e] supergiant.
HH Car	*Bakiş, H. et al.* (5 authors) 2021, MNRAS 503, 2432. (1o*, 2ao, 5cdeg) Early-type active EB.
V906 Car	*McLoughlin, D. et al.* (4 authors) 2021, MNRAS 505, 2518. (2bc, 5dgi) Jets and AD spectral signatures.
MT Cas	*Jiang, L. et al.* (4 authors) 2021, JApA 42, 10. (1ao, 5abcj) Photometric study of the short-period EB.
V635 Cas	*Ding, Y.Z. et al.* (95 authors) 2021, MNRAS 503, 6045. HMXB QPOs and orbital elements during the 2017 outburst observed by Insight-HXMT.
V1022 Cas	*Southworth, J.* 2021, Obs 141, 52. (1ao, 2ao, 5cde) Rediscussion of the SB2 and EB system using TESS data.
α Cen AB	*Akeson, R. et al.* (5 authors) 2021, AJ 162, 14. (4aci) ALMA astrometry giving proper motion, orbital motion, and parallax.
ν Cen	*Jerzykiewicz, M. et al.* (11 authors) 2021, MNRAS 503, 5554. (1ao, 2ao, 5abcde) A non-eclipsing binary with a pre-main-sequence secondary.
V779 Cen	*Sanjurjo-Ferrín, G. et al.* (6 authors) 2021, MNRAS 501, 5892. (2dx, 5i) Inhomogeneous accretion flows in the HMXB.
V1369 Cen (Nova Cen 2013)	*Mason, E. et al.* (6 authors) 2021, A&A 649, A28. (2aio, 2dx, 5dej) The nova aftermath.
GK Cep	*Zao, E-G. et al.* (6 authors) 2021, MNRAS 504, 5155. (1aou, 5abceg) Photometric study.
V811 Cep	*Gao, X. et al.* (4 authors) 2021, RAA 21, 193. (1ao, 5abcj) Totally eclipsing contact binary.
V842 Cep	*Li, Y.-Y., Li, K., Liu, Y.* 2021, RAA 21, 122. (1ao, 5abcj) K-type W UMa binary.
WW Cha	*Eupen, F. et al. (The GRAVITY Collaboration)* (62 authors) (4ci, 5ei) Orbit of the T Tauri binary star.
TX Col	*Littlefield, C. et al.* (7 authors) 2021, AJ 162, 49. (1ao, 5i) LC QPOs of the diskless IP on the precipice of forming an AD.

CC Com	*Zhu, Z.-Z. et al.* (8 authors) 2021, RAA 21, 084. (1ao, 2abo, 5abcdegj) Magnetic activity and orbital parameters.
PY Com (ASAS J124343+1531.7)	*Xia, Q. et al.* (4 authors) 2021, PASP 133, 054202. (1ao, 2co, 5abceg) W-type overcontact binary.
TV Crt (HD 98800 B)	Ronco, M.P. et al.(8 authors) 2021, ApJ 916, 113. (8ab) Protoplanetary disk in the hierarchical triple system.
BP Cru (GX 301-2)	*Ding, Y.Z. et al.* (10 authors) 2021, MNRAS 506, 2712. (1x, 2d, 5cgi) Timing and spectral variability.
CH Cyg	*Tarasova, T.N., Skopal, A.* 2021, AstL 47, 235. (1, 2d, 5g). Spectrophotometric monitoring of the symbiotic star from 2008 to 2018.
EM Cyg	*Liu, W. et al.* (6 authors) 2021, MNRAS 505, 677. (1ao, 5abcefg) QPOs and long-term orbital period variation.
V382 Cyg	*Abdul-Masih, M. et al.* (13 authors) 2021, A&A 651, A96. (2do, 5g) Constraining the overcontact phase in massive binary evolution. I. Mixing.
V1130 Cyg	*Yoldaş, E., Dal, H.A.* 2021, RMxAA 57, 335. (1ao, 2ao, 5cde) EB surface activity modeling.
V1321 Cyg	*Kudak, V. et al.* (4 authors) 2021, RAA 21, 174. (1ao, 5abcj) Photometric study of the neglected EB.
V1357 Cyg (Cyg X-1)	*Cangemi, F. et al.* (11 authors) 2021, A&A 650, A93. (2dx*, 5ij) Origin of the state-dependent high-energy tail in the BH HMXB.
V1521 Cyg (Cyg X-3)	*Vilhu, O. et al.* (4 authors) 2021, A&A 649, A176. (2dx, 5ij, 8abd) Wind suppression by X-rays in the HMXB.
V1687 Cyg (WR 140)	*Thomas, J.D. et al.* (36 authors) 2021, MNRAS 504, 5221. (2a, 4a, 5deg, 8a) Updated orbital elements. *Williams, P.M. et al.* (13 authors) 2021, MNRAS 503, 643. (2ci, 5j) WC7+O5 colliding-wind binary.
V2425 Cyg (HIP 101227)	*Yousef, Z.T. et al.* (7 authors) 2021, RAA 21, 114. (2abdo, 5de) A binary, triple or quadruple system?
V2491 Cyg	*Kato, M., Saio, H., Hachisu, I.* 2021, PASJ 73, 1137. (8ad) LC model: classical nova outburst of a cool and massive WD.
V3101 Cyg (TCP J21040470+4631129)	*Hameury, J.-M., Lasota, J.-P.* 2021. A&A 650, A114. (1ao*, 8ac) Modelling rebrightenings, reflares, and echoes in the dwarf nova outbursts.
HL Dra	*Shi, X. et al.* (4 authors) 2021, MNRAS 505, 6166. (1ao, 5abcefg) Active Algol-like binary.
τ^9 Eri	*Woodcock, K. et al.* (5 authors) 2021, MNRAS 502, 5200. (1ao*, 3bo, 5bde) Pulsating magnetic Bp component of an SB2.
HZ Her (Her X-1)	*Kondo, K., Dotani, T., Inoue, H.* 2021, PASJ 73, 286. (2dx, 5i) Emission regions with pulse-phase-resolved spectra observed with Suzaku. *Shakura, N.I. et al.* (7 authors) 2021, A&A 648, A39. (2dgx, 5i) LMXB in the low state during SRG/eROSITA all-sky survey.
V990 Her	*Kiran, E. et al.* (4 authors) 2021, RMxAA 57, 363. (1ao, 2ao, 5cde) Eccentric EB.
V1094 Her	*Jiang, L. et al.* (4 authors) 2021, JApA 42, 10. (1ao, 5abcj) Photometric study of the short-period EB.
V1098 Her	*Popov, V., Acerbi, F., Barani, C.* 2021, RAA 21, 225. (1ao, 5abce) Totally-eclipsing WUMa star.
V1179 Her	*Broens, E.* 2021, MNRAS 501, 4935. (1ao, 5abc) Totally eclipsing A-type W UMa system.

V1361 Her (TIC 157376469)	*Pan, Y. et al.* (7 authors) 2021, PASP 133, 044202. (1ao, 2ao, 5cde) Low-mass EB with spots.
V1511 Her	*Broens, E.* 2021, MNRAS 501, 4935. (1ao, 5abc) Totally eclipsing A-type W UMa system.
V1674 Her	*Shugarov,S.Yu., Afonina, M.D.* 2021, PZ 41, No. 4 (1a, 5c). Photometric study of the classical nova.
BG Ind	*Borkovits, T. et al.* (12 authors) 2021, MNRAS 503, 3759. (1aiou*, 2ao, 5abcde) Doubly eclipsing, compact hierarchical quadruple system.
CD Ind	*Sobolev, A.V. et al.* (4 authors) 2021, ARep 65, 392. (8a) 3D Model of the flow structure in the asynchronous polar during magnetic pole switching.
GW Leo	*Poro, A. et al.* (9 authors) 2021, ARep 65, 543. (1a, 5abce). The first LC solution and refined ephemeris of the contact EB.
GW Lib	*Chote, P. et al.* (20 authors) 2021, MNRAS 502, 581. (1ai, 2cu) Dwarf nova with an accreting WD pulsator.
γ Lup	*Jerzykiewicz, M. et al.* (11 authors) 2021, MNRAS 503, 5554. (1ao, 2ao, 5abcde) Star A is a non-eclipsing SB with a pre-main-sequence secondary.
SZ Lyn	*Adassuriya, J. et al.* (7 authors) 2021, MNRAS 502, 541. (1ao, 5e) Asteroseismology of the δ Scuti component.
EZ Lyn (SDSS J080434.20+510349.2)	*Amantayeva, A. et al.* (7 authors) 2021, ApJ 918, 58. (1aiox, 2do, 5cij) Period bouncer CV in quiescence.
V461 Lyr	*Yoldaş, E., Dal, H.A.* 2021, RMxAA 57, 335. (1ao, 2ao, 5cde) Modeling of surface and flare activity.
AQ Men	*Ilkiewicz, K. et al.* (11 authors) 2021, MNRAS 503, 4050. (1ao*, 5i) Nova-like with tilted AD.
V616 Mon (1A 0620−00)	*Avakyan, A.L. et al.* (4 authors) 2021, AstL 47, 377. (8ab) Orbital period change due to a windy AD outburst.
V680 Mon	*Paunzen, E. et al.* (6 authors) 2021, MNRAS 504, 3749. (1ao, 2bc, 5abcefgh) Young HgMn star in an EB heartbeat system.
V694 Mon (MWC 560)	*Ando, K. et al.* (11 authors) 2021, PASJ 73, L1. (2co, 5ij) The symbiotic star before and after the 2018 unpredicted brightening.
GT Mus	*Sasaki, R. et al.* (17 authors) 2021, ApJ 910, 25. (1x) Detected 11 X-ray flares over 8 years.
GU Mus (GRS 1124−68)	*Avakyan, A.L. et al.* (4 authors) 2021, AstL 47, 377. (8ab) Orbital period change due to a windy AD outburst.
QX Nor (4U 1608−52)	*Güver, T. et al.* (14 authors) 2021, ApJ 910, 37. (2xd) Thermonuclear X-ray bursts with late secondary peaks. *Mancuso, G.C. et al.* (5 authors) 2021, MNRAS 502, 1856. (1x, 5i) Drifts of the marginally stable burning frequency in the LMXB.
V2293 Oph (GRS 1716−249)	*Chatterjee, K. et al.* (7 authors) 2021, Ap&SS 366, 63. (2cx, 5i) Accretion flow properties during the 2016-17 'failed' outburst.
V1031 Ori	*Lee, J.W.* 2021, PASJ 73, 809. (1ao, 5efg) Tidally perturbed oblique pulsations in the hierarchical triple system.
BF Pav	*Poro, A. et al.* (10 authors) 2021, RAA 21, 203. (1ao, 5abc) W UMa EB.
XZ Per	*Khaliullina, A.I.* 2021, ARep 65, 569. (5b) EB with complex orbital period variations.
TY Psc	*Dudnik, A. A. et al.* (5 authors) 2021, RAA 21, 158. (2do, 5ei, 7d) Dwarf nova WD parameters.

UV Psc	*Hahlin, A. et al.* (4 authors and the BinaMicS collaboration) 2021, A&A 650, A197. (3bo, 5d) EB magnetic field.
FL Psc	*Dudnik, A. A. et al.* (5 authors) 2021, RAA 21, 158. (2do, 5ei, 7d) Dwarf nova WD parameters.
YZ Ret	*McLoughlin, D. et al.* (4 authors) 2021, MNRAS 503, 704. (2co, 5ij) Classical nova precessing jets.
9 Sgr	*Fabry, M. et al.* (7 authors) 2021, A&A 651, A119. (2ao, 4ao, 5e) Resolving the dynamical mass tension of the massive binary.
V380 Sgr	*Mikolajewska, J. et al.* (7 authors) 2021, MNRAS 504, 2122. (1ao, 2a, 5bcdeg) Binary parameters and pre-outburst activity.
V1223 Sgr	*Hayashi, T., Kitaguchi, T., Ishida, M.* 2021, MNRAS 504, 3651. (1x, 5cegi, 8a) Application of a new X-ray reflection model.
V4134 Sgr (X1755−338)	*Yamauchi, S., Maeda, S.* 2021, PASJ 73, 830. (2cdx, 5i) Spectral and timing properties of the BH candidate observed in 1989-1995.
V4743 Sgr	*Dobrotka, A. et al.* (4 authors) 2021, A&A 649, A67. (1ao*, 5i) The 1 mHz variability in the flickering of the CV accreting at a high rate.
V5668 Sgr	*McLoughlin, D. et al.* (4 authors) 2021, MNRAS 505, 2518. (2bc, 5dgi) Jets and AD spectral signatures.
V818 Sco (Sco X-1)	*Jia, S.M. et al.* (18 authors) 2021, ApJ 913, 119. (2dx) The energy limits of kHz QPOs.
V884 Sco (4U 1700−37)	*Martínez-Chicharro, M. et al* (9 authors) 2021, MNRAS 501, 5646. (2dx, 5ij) Supergiant HMXB during eclipse.
V1033 Sco (GRO J1655−40)	*Fukumura, K. et al.* (6 authors) 2021, ApJ 912, 86. (2dx) Magnetic disk wind state transitions in the BH XB.
V479 Sct (LS 5039)	*Bosch-Ramon, V.* 2021, A&A 649, C4. Properties of a hypothetical cold PSR wind. Erratum for 2021, A&A 645, A86. *Huber, D., Kissmann, R., Reimer, O.* 2021, A&A 649, A71. (8abd) Relativistic fluid modeling of the γ-ray binary. *Volkov, I. et al.* (5 authors) 2021, ApJ 915, 61. (2dx, 5ci) X-ray study. *Yoneda, H. et al.* (7 authors) 2021, ApJ 917, 90. (2dgx) Broadband high-energy emission.
CR Tau	*Kudak, V. et al.* (4 authors) 2021, RAA 21, 174. (1ao, 5abcj) Photometric study of the neglected EB.
V471 Tau	*Kővári, Zs. et al.* (9 authors) 2021, A&A 650, A158. (1ao, 2ao, 2dx, 5g) Magnetic activity of the K-dwarf component indicates a confined dynamo in the pre-CV system.
V725 Tau (1A 0535+262)	*Mushtukov, A. et al.* (4 authors) 2021, MNRAS 503, 5193. (2dx*, 8, 9) Spectrum formation in X-ray PSRs at very low mass accretion rate: Monte Carlo approach.
V805 Tau (Hyad vA 351)	*Benedict, G.F. et al.* (11 authors) 2021, AJ 161, 285. (4c) Speckle observations producing parallax, relative orbit, and masses of the quadruple system consisting of three M dwarfs and one WD.
V892 Tau	*Long, F. et al.* (14 authors) 2021, ApJ 915, 131. (1r, 2c, 5be) Circumbinary disk.
RR Tel	*Heo, J-E. et al.* (5 authors) 2021, ApJ 915, 105. (2ciou, 5ij) Raman-scattered O VI features in the symbiotic nova.
QV Tel (HR 6819)	*El-Badry, K., Quataert, E.* 2021, MNRAS 502, 3436. (2abo, 5deghk, 8c) Not a triple with a BH but a binary with a stripped-companion Be star.

BG Tri — *Hernández, M.S. et al.* (7 authors) 2021, MNRAS 503, 1431. (1ao*, 2ado, 5cdei) Low-inclination RW Sex-type nova-like.

QU TrA (4U 1543−624) — *Ludlam, R.M. et al.* (11 authors) 2021, ApJ 911, 123. (2dx) Maximum NS radius is 12.1 km.

AX UMa — *Li, L.J. et al.* (5 authors) 2021, AJ 161, 193. (1ao, 5ab) RR Lyr star with decreasing pulsation period and detection of binarity (light travel time).

KV UMa (XTE J1118+480) — *Avakyan, A.L. et al.* (4 authors) 2021, AstL 47, 377. (8ab) Orbital period change due to a windy AD outburst.

GP Vel (Vel X-1) — *Amato, R. et al.* (9 authors) 2021, A&A 648, A105. (2dx, 5i) Looking through the photoionisation wake of the HMXB.
Kretschmar, P. et al. (12 authors) 2021, A&A 652, A95. (8a) Revisiting the archetypical wind accretor in depth.

HU Vel (Vela PSR) — *Espinoza, C.M. et al.* (5 authors) 2021, A&A 649, C2. Small glitches and other rotational irregularities. Erratum for 2021, A&A 647, A25.

V390 Vel (IRAS 08544−4431) — *Corporaal, A. et al.* (6 authors) 2021, A&A 650, L13. (4ci, 5i) The puffed-up inner rim of a circumbinary disc in the post AGB binary.

HW Vir — *Brown-Sevilla, S.B. et al.* (15 authors) 2021, MNRAS 506, 2122. (1ao*, 5cg, 8a) Photometric and dynamical study.
Esmer, E.M. et al. (5 authors) 2021, A&A 648, A85. (1co, 2ao, 5abcde) Eclipse timing data and dynamical stability analysis.

V642 Vir — *Samec, R.G. et al.* (9 authors) 2021, AJ 161, 292. (1ao, 5bc) Detached EB with possible light time effect.

UY Vol (EXO 0748−676) — *Parikh, A.S. et al.* (8 authors) 2021, MNRAS 502, 2826. (10b) Erratum to 2021, MNRAS 501, 1453.

BO Vul — *Khaliullina, A.I.* 2021, ARep 65, 569. (5b) EB with complex orbital period variations.

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

HR 6819 — (see QV Tel)

HD 3191 — *Martí, J. et al.* (4 authors) 2021, A&A 651, A1. (1ao, 2ao, 5cd) Orbital and sub-orbital period determination of the candidate HMXB.

HD 26040 (HIP 19206) — *Al-Wardat, M.A. et al.* (9 authors) 2021, RAA 21, 161. (1ao, 4b, 5e) Physical and geometrical parameters.

HD 38030 — *Williams, P.M. et al.* (4 authors) 2021, MNRAS 505, 5029. (1ai, 2abc, 5abcdg) An episodic dust-making WR star in a colliding wind binary.

HD 38282 — *Shenar, T. et al.* (24 authors) 2021, A&A 650, A147. (1ao, 2adoux, 3b, 5degj) A massive WR wind-EB.

HD 49798 (RX J0648.0−4418) — *Mereghetti, S. et al.* (10 authors) 2021, MNRAS 504, 920. (1x*, 5bceg) The compact object is still spinning up.

HD 50526 — *Rosales, J.A. et al.* (8 authors) 2021, AJ 162, 66. (1ao*, 2ao, 5cdegi) CB stellar and AD parameters.

HD 52721 — (see GU CMa)

HD 76095 (HIP 43766) — *Widyan, H., Aljboor, H.* 2021, RAA 21, 110. (8ac) Physical and orbital properties.

HD 92987 — *Venner, A., Vanderburg, A., Pearce, L.A.* 2021, AJ 162, 12. (2a, 4b, 5e) RVs and Hipparchos-Gaia astrometry indicate a low-mass companion star viewed at near-polar inclination.

HD 96264A — *Putkuri, C. et al.* (6 authors) 2021, A&A 650, A96. (2abo, 5dek) Massive binary with non-synchronous rotation.

HD 96670 — *Gomez, S., Grindlay, J.E.* 2021, ApJ 913, 48. (1bv, 2ac, 5cde) Mass of unseen secondary is 6.2 solar masses, probably a BH.

HD 98800 — (see TV Crt)

HD 155826
(HIP 84425) — *Al-Wardat, M.A. et al.* (9 authors) 2021, RAA 21, 161. (1ao, 4b, 5e) Physical and geometrical parameters.

HD 165246 — *Johnston, C. et al.* (11 authors) 2021, MNRAS 503, 1124. (1ao*, 2ao, 5cdeg) Variability in the O+B EB.

HD 173093 — *Horch, E.P. et al.* (11 authors) 2021, AJ 161, 295. (2ao, 4c, 5de) Combined visual-spectroscopic orbit of the hierarchical triple system. Includes 25 visual orbits from Differential Speckle Survey observations.

BD+46°2717
(KIC 9773821) — *Murphy, S.J. et al.* (11 authors) 2021, MNRAS 505, 2336. (1ao, 2ab, 5abcdeg) Orbit and asteroseismology.

Objects with names including RA and DEC

4U 0115+63 — (see V635 Cas)

RX J0123.4−7321 — *Coe, M.J. et al.* (4 authors) 2021, MNRAS 505, 4417. (1aox, 5cdgij) Major circumstellar disc loss and recovery.

1RXS J012750.5+380830 — *Lloyd, C. et al.* (4 authors) 2021, Obs 141, 63. A superhumping IP?

LAMOST J0140355+392651 — *El-Badry, K. et al.* (9 authors) 2021, MNRAS 505, 2051. (1ao, 2abc, 5cdgij) An evolved CV donor transitioning to an extremely low-mass WD.

CRTS J022914.4+044340 — *Liu, L., Li, X.-Z.* 2021, RAA 21, 180. (1ao, 5abce) A deep and low-mass-ratio contact binary with a luminous additional companion.

LAMOST J024048.51+195226.9 — *Pretorius, M.L. et al.* (11 authors) 2021, MNRAS 503, 3692. (1ao, 3ao, 4cr) CV likely a propeller system similar to AE Aqr.

4FGL J0336.0+7502 — *Li, K.-L. et al.* (4 authors) 2021, ApJ 911, 92. (1bo, 2dx, 6b) Possible black widow binary.

2MASS J04100497+2931023 — *Meng, G. et al.* (6 authors) 2021, RAA 21, 115. (1ao, 2ao, 5abcd) Absolute parameters and flares in the M-type detached EB.

MLS120126:042313+212951 — *Kolbin, A.I. et al.* (5 authors) 2021, AstL 47, 474. (1ao, 2ao, 5cdei). New eclipsing CV in the period gap.

XMMU J050722.1−684758 — *Maitra, C. et al.* (8 authors) 2021, MNRAS 504, 326. (1x, 5bg, 6b) Discovery and association with SN remnant.

RX J0529.8−6556 — *Treiber, H. et al.* (15 authors) 2021, MNRAS 503, 6187. (1ao*x, 5ci) A Be XB PSR with an evolving period and out of phase X-ray outbursts.

1A 0535+262 — (see V725 Tau)

2MASS J06114907+2249326
(LB-1)
(ALS 8775) — *Lennon, D.J. et al.* (13 authors) 2021, A&A 649, A167. (2do, 5g, 8a) Comparison with B+BH and Be+stripped-star models.

1A 0620−00 — (see V616 Mon)

MAXI J0637−430 — *Jana, A. et al.* (8 authors) 2021, MNRAS 504, 4793. (1gx, 5cgi) Detailed timing and spectral studies.

2MASS J06464003+0109157	*Miller, A. et al.* (5 authors) 2021, PASP 133, 044201. (1ao, 2ao, 5cde) EB and SB2 with spotted, sub-solar twins.
RX J0648.0−4418	(see HD 49798)
PSR J0737−3039	*Liu, P. et al.* (4 authors) 2021, RAA 21, 104. (8acd) Orbit and spin period evolution of the double PSRs from birth to coalescence induced by GWs.
PSR J0740+6620	*Miller, M.C. et al.* (28 authors) 2021, ApJL 918, L28. (2dx, 8) NS radius. *Raaijmakers, G. et al.* (10 authors) 2021, ApJL 918, L29. (1xr*, 2dx) NS properties and constraints on the dense matter equation of state. *Riley, T.E. et al.* (30 authors) 2021, ApJL 918, L27. (2dx) Radio timing and XMM-Newton spectroscopy. *Wolff, M.T. et al.* (14 authors) 2021, ApJL 918, L26. (2dx, 8) Thermal X-ray pulsations.
EXO 0748−676	(see UY Vol)
SDSS J080434.20+510349.2	(see EZ Lyn)
Swift J0840.7−3516	*Coti Zelavi, F. et al.* (8 authors) 2021, A&A 650, A69. (1aoux, 2dx, 4cr) Transient ultra-compact XB. *Shidatsu, M. et al.* (12 authors) 2021, ApJ 910, 144. (2xd, 6b) Transient could be a LMXB or a tidal disruption event.
IRAS 08544−4431	(see V390 Vel)
1FGL J1018.6−5856	*Chen, A.-M. et al.* (4 authors) 2021, RAA 21, 189. (2dgx, 5j) Modeling the high-energy emission from the γ-ray binary.
PSR J1048+2339	*Miraval Zanon, A. et al.* (19 authors) 2021, A&A 649, A120. (1aou, 2adx, 4cr, 5cd) Intra-binary shock emission from the redback PSR.
XTE J1118+480	(see KV UMa)
GRS 1124−68	(see GU Mus)
PSR B1237+25	*Mijit, M. et al.* (7 authors) 2021, ChA&A 45, 172. (4cr) Detection and investigations of strong pulses.
ASAS J124343+1531.7	(see PY Com)
PSR B1259−63 (LS 2883)	*Kawachi, A. et al.* (5 authors) 2021, PASJ 73, 545. (1ai, 5j) Near-IR brightening around the periastron passages of the γ-ray binary.
MAXI J1305−704	*Sánchez, D.M. et al.* (6 authors) 2021, MNRAS 506, 581. (1x, 2abc, 5cdegi) Dynamical confirmation of a stellar mass BH in the binary.
MAXI J1348−630	*Carotenuto, F. et al.* (17 authors) 2021, MNRAS 504, 444. (1rx, 5cgi) Evolution of the compact and transient jets. *Weng, S-S. et al.* (7 authors) 2021, ApJL 915, L15. (1gux, 2dx) Time-lag between disk and corona radiation leads to hysteresis effect in the BH XB.
WDS J15006+0836	*Mendez, R.A., Clavería, R.M., Costa, E.* 2021, AJ 161, 155. (2ao, 4co, 5de) SB2. Also, 15 orbits and masses of visual binaries from Speckle interferometry at SOAR.
WD 1534+503	*Kilic, M., Bédard, A., Bergeron, P.* 2021, MNRAS 502, 4972. (2ao, 5dg) Double-lined WD binary.
MAXI J1535−571	*Chauhan, J. et al.* (22 authors) 2021, PASA 38, e045. (4cr, 5j) A broad-band radio view of transient jet ejecta in the BH candidate XB. *Vincentelli, F.M. et al.* (10 authors) 2021, MNRAS 503, 614. (2dix, 4cr, 5ij) BH transient.
4U 1543−624	(see QU TrA)

SDSS J160429.12+100002.2	*Irrgang, A. et al.* (6 authors) 2021, A&A 659, A102. (1ao, 2acdo, 5cdeg Proto-He WD stripped by a substellar companion via common-envelope ejection.
4U 1608−52	(see QX Nor)
PSR J1614−2230	*Wolff, M.T. et al.* (14 authors) 2021, ApJL 918, L26. (2dx) Thermal X-ray pulsations in the massive NS PSR.
4U 1630−472 (Nor X-1)	*Fukumura, K. et al.* (6 authors) 2021, ApJ 912, 86. (2dx) Magnetic disk wind state transitions in the BH LMXB.
MAXI J1631−472	*Monageng, I.M. et al.* (8 authors) 2021, MNRAS 501, 5776. (2dx, 4cr) Radio flaring in the candidate BH XB.
MAXI J1631−479	*Rout, S. K. et al.* (4 authors) 2021, MNRAS 505, 1213. (1x, 5bcg) Spectral and timing evolution during the 2018-19 outburst.
PG 1632+177	*Kilic, M., Bédard, A., Bergeron, P.* 2021, MNRAS 502, 4972. (2ao, 5dg) Double-lined WD binary.
4U 1635−536	(see V801 Ara)
2MASS J16460986−0352153 (NSVS 13602901)	*Wadhwa, S.S. et al.* (4 authors) 2021, RAA 21, 235. (1ao, 5abcg) Extreme low mass ratio contact EB.
GRO J1655−40	(see V1033 Sco)
4U 1700−37	(see V884 Sco)
IGR J17062−6143	*Bult, P. et al.* (5 authors) 2021, ApJ 912, 120. (2xd, 5i) Period change is driven by mass transfer, not by GWs.
2MASS J17091769+3127589	*Miller, A. et al.* (8 authors) 2021, AJ 162, 131. (1ao, 2ao, 5cde) Extreme mass ratio mass-transfer binary.
IGR J17091−3624	*Katoch, T. et al.* (6 authors) 2021, MNRAS 501, 6123. Decoding the pulse in the heartbeat state.
Swift J1713.4−4219	*Onori, F. et al.* (7 authors) 2021, MNRAS 503, 472. (2digx) LMXB.
GRS 1716−249	(see V2293 Oph)
GRS 1741.9−2853	*Pike, S.N. et al.* (9 authors) 2021, ApJ 918, 9. (2dx) Photospheric radius expansion and a double-peaked type-I X-ray burst in the LMXB.
H1743−322	*Fukumura, K. et al.* (6 authors) 2021, ApJ 912, 86. (2dx) Modeling magnetic disk wind state transitions in the BH LMXB.
H 1743−322	*Sriram, K., Harikrishna, S., Choi, C.S.* 2021, ApJ 911, 127. (2dx) Rapid transition in QPOs.
IGR J17480−2446	*du Buisson, L., Motta, S., Fender, R.* 2021, MNRAS 502, 5472. (2dx*, 5i) Very low-frequency QPOs from the 11 Hz accreting PSR in Terzan 5: frame dragging back on the table.
IGR J17528−2022	*Hare, J. et al.* (8 authors) 2021, ApJ 914, 85. (2diox) Unidentified Integral source.
PSR J1752+2359	*Sun, S.-N. et al.* (4 authors) 2021, RAA 21, 240. (3ar, 5i) A single pulse study of the PSR.
XTE J1752−223	*Debnath, D. et al.* (6 authors) 2021, MNRAS 504, 4242. (1x, 5cgi, 8a) Jet properties during its 2009-10 outburst.
CXOGBS J175553.2−281633	*Gomez, S. et al.* (11 authors) 2021, MNRAS 502, 48. (1ao, 2ao, 5bcdei) Long-period CV.
X1755−338	(see V4134 Sgr)
Swift J1756.9−2508	*Li, Z.S. et al.* (11 authors) 2021, A&A 649, A76. (2dx, 5i) The accreting millisecond PSR during the 2018 and 2019 outbursts.

XTE J1810−197	*Borghese, A. et al.* (20 authors) 2021, MNRAS 504, 5244. (1x, 5cg, 8a) The X-ray evolution and geometry of the 2018 outburst.
MAXI J1813−095	*Jana, A. et al.* (10 authors) 2021, RAA 21, 125. (2dx, 5ei) Accretion properties during the BH binary failed outburst in 2018.
MAXI J1820+070 (ASASSN-18ey)	*Dzietak, M.A., De Marco, B., Zdziarski, A.A.* 2021, MNRAS 506, 2020. (1x, 5cgij, 8a) A spectrally stratified hot accretion flow. *Guan, J. et al.* (95 authors) 2021, MNRAS 504, 2168. (1x, 5cgi) Physical origin of the non-physical spin evolution. *Paice, J.A. et al.* (14 authors) 2021, MNRAS 505, 3452. (1aox, 5bcgi) Rapid optical/X-ray timing correlations. *Rodi, J. et al.* (8 authors) 2021, ApJ 910, 21. (1bgimorux) The LMXB 2018 outburst. *Sai, H. et al.* (23 authors) 2021, MNRAS 504, 4226. (1aoux, 2bc, 5cdgi) Optical, UV and X-ray monitoring. *Tetarenko, A.J. et al.* (12 authors) 2021, MNRAS 504, 3862. (1aorx, 5cgij, 8a) Fundamental jet properties. *Wood, C.M. et al.* (17 authors) 2021, MNRAS 505, 3393. (1rx, 5cgij) The varying kinematics of multiple ejecta. *Zdziarski, A.A. et al.* (9 authors) 2021, ApJL 914, L5. (2gx) The rate of electron/positron pair production. *Zhao, X. et al.* (9 authors) 2021, ApJ 916, 113. (2dx, 5ej) The BH spin.
2MASS J18300176+1233462 (CzeV404 Her)	*Kára, J. et al.* (7 authors) 2021, A&A 652, A49. (1ao, 2ao, 5cdei) The period-gap CV as a link between SW Sex and SU UMa systems.
MAXI J1836−194	Lucchini, M. et al. (7 authors) 2021, MNRAS 501, 5910. (2dx, 5ij) The evolving microblazar jet.
Swift J1858.6−0814	*Buisson, D.J.K. et al.* (27 authors) 2021, MNRAS 503, 5600. (2dx, 5bd) Dips and eclipses observed in the LMXB with NICER.
4U 1901+03	*Nabizadeh, A. et al.* (10 authors) 2021, A&A 652, A89. (2cx, 5i) Spectral evolution of the X-ray PSR during the 2019 outburst.
ZTF J190132.9+145808.7	*Caiazzo, I. et al.* (18 authors) 2021, Nature 595, 39. (1aou, 2do, 5ek) A highly magnetized and rapidly rotating WD as small as the Moon, as a result of a merger of two WD stars.
GRS 1915+105	(see V1487 Aql)
2MASS J19211161+4758430 (KIC 10661783)	*Miszuda, A. et al.* (4 authors) 2021, MNRAS 505, 3206. (1ao, 5abcegj, 8a) An EB with a δ Scuti component.
2MASS J19234831+4032527 (KIC 5359678)	*Wang, J. et al.* (7 authors) 2021, MNRAS 504, 4302. (1ao, 2ab, 5abcdeg) Photometric and spectroscopic study.
2MASS J19292475+4119272	*Yoldaş, E.* 2021, RMxAA 57, 351. (1ao, 5bc) Ephemeris and photometric orbit based on Kepler data, including spot modeling.
2MASS J19383382+4019257	*Lv, C.-L. et al.* (5 authors) 2021, RAA 21, 224. (1ao, 5abcg) EB containing a δ Scuti variable star.
PSR J1946+3417	*Jiang, L. et al.* (7 authors) 2021, RAA 21, 231. (8acd) A strange star scenario for the formation of the eccentric millisecond PSR.
2MASS J19542217+4641258 (KIC 9850387)	*Sekaran, S. et al.* (4 authors) 2021, A&A 648, A91. (8c) Dynamical and model-derived parameters of the pulsating EB.
4U 1957+11	(see V1408 Aql)
PSR J1959+2048	*Kandel, D., Romani, R.W., An, H.* 2021, ApJL 917, L13. (1x, 5cj) Intra-binary shock of the black widow PSR.

IGR J20063+3641	*Hare, J. et al.* (8 authors) 2021, ApJ 914, 85. (2dgx) (2dg) WD spin and modulation periods in the magnetic CV.
IGR J20155+3827	*Onori, F. et al.* (7 authors) 2021, MNRAS 503, 472. (2digx) HMXB.
PSR J2039−5617	*Clark, C.J. et al.* (22 authors) 2021, MNRAS 502, 915. (1ag) The γ-ray millisecond PSR is a redback system. *Corongiu, A. et al.* (12 authors) 2021, MNRAS 502, 935. (4cr) Radio pulsations.
VT J121001+495647	*Dong, D.Z. et al.* (13 authors) 2021, Sci 373, 1125. (2do, 4cr, 5j) Transient radio source consistent with a merger-triggered core collapse SN.
IPHASX J210204.7+471015	*Toalá, J.A. t al.* (7 authors) 2021, MNRAS 502, 4658. (1x, 5gi) EPIC observations of the nova shell.
TCP J21040470+4631129	(see V3101 Cyg)
CXOU J225355.1+624336	*La Palombara, N. et al.* (5 authors) 2021, A&A 649, A118. (2dx) X Per-like Be XB.

X-ray sources with constellation or galaxy names

Aql X-1	(see V1333 Aql)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)
NGC 300 ULX-1	*Zuo, Z.-Y., Song, H.-T., Xue, H.-C.* 2021, A&A 649, L2. (8abd) Wind Roche-lobe overflow of the ULX source with an accreting NS.
NGC 300 X-1	*Binder, B.A. et al.* (9 authors) 2021, ApJ 910, 74. (2cdux, 5bei) BH mass is 17 solar masses.
NGC 1313 X-2	*Robba, A. et al.* (15 authors) 2021, A&A 652, A118. (2bx, 5i) Broadband X-ray spectral variability of the pulsing ULX.
NGC 7793 P13	*Fürst, F. et al.* (17 authors) 2021, A&A 651, A75. (1x, 5bi) Long-term pulse period evolution of the ULX PSR. *Zuo, Z.-Y., Song, H.-T., Xue, H.-C.* 2021, A&A 649, L2. (8abd) Wind Roche-lobe overflow of the ULX source with an accreting NS.
NGC 7793 ULX-4	*Quintin, E. et al.* (5 authors) 2021, MNRAS 503, 5485. (2dx) A new candidate pulsating ULX and discussion of four possible optical counterparts.
Nor X-1	(see 4U 1630−472)
OGLE-UCXB-01	*Peng, S., Shen, R-F.* 2021, ApJ 916, 80. (1ao) The UXB is an IP.
Sco X-1	(see V818 Sco)
Vel X-1	(see GP Vel)

Objects with other designations

ALS 8775	(see 2MASS J06114907+2249326)
ASASSN-18ey	(see MAXI J1820+070)
AT 2014ej	*Soker, N., Kaplan, N.* 2021, RAA 21, 090. (8acd) Explaining the intermediate luminosity optical transient (ILOT) with jet powering.
AT 2017gfo	(see GW170817)

AT 2018bwo	*Blagorodnova, N. et al.* (15 authors) 2021, A&A 653, A134. (1aoi, 2coi, 5gj) Luminous red nova in NGC 45 and its binary yellow supergiant progenitor.
CzeV404 Her	(see 2MASS J18300176+1233462)
Gaia DR2 6097540197980557440	*Corcoran, K.A. et al.* (6 authors) 2021, ApJ 918, 28. (1ao, 2ao, 5bcde, 6b) Deeply eclipsing sdB+dM system.
GRB 160624A	*O'Connor, B. et al.* (18 authors) 2021, MNRAS 502, 1279. (2dg) Constraints on kilonova detection in the short GRB.
GRB 170817A	(see GW170817)
GRB 180805A	*Anderson, G.E. et al.* (17 authors) 2021, PASA 38, e026. (4cr) Murchison Widefield Array rapid-response observations of the short GRB.
GRB 200415A	*Chand, V. et al.* (15 authors) 2021, RAA 21, 236. (1g, 5j) Magnetar giant flare originating from the GRB: transient GeV emission, time-resolved $E_p - L_{\rm iso}$ correlation and implications.
GRB 200522A	*O'Connor, B. et al.* (18 authors) 2021, MNRAS 502, 1279. (2dg) Constraints on kilonova detection in the short GRB.
GSC 03421-01402	*Lloyd, C., Screech, J.* 2021, OEJV 221 (1a, 5abc) Algol-type EB.
GW150914	*Andrews, J.J. et al.* (5 authors) 2021, ApJL 914, L32. (8c) Modeling the binary BH source with Dart_board.
GW170817 (AT2017gfo) (GRB 170817A)	*Heinzel, J. et al.* (10 authors) 2021, MNRAS 502, 3057. (8c) Comparing inclination-dependent analyses of kilonova transients. *Ishizaki, W., Ioka, K., Kiuchi, K.* 2021, ApJL 916, L13. (8a) Fallback accretion model for the X-ray counterpart. *Metzger, B.D., Fernández, R.* 2021, ApJL 916, L3. (8a) Can fallback accretion explain the X-ray excess? *Preau, E., Ioka, K., Mészáros, P.* 2021, MNRAS 503, 2499. Neutron conversion-diffusion: a new model for structured short γ-ray burst jets compatible with the GRB. *Takahashi, K., Ioka, K.* 2021, MNRAS 501, 5746. (8d) Jet structures consistent with the off-axis afterglow of the GRB.
GW190408	*Kim, J. et al.* (15 authors) 2021, ApJ 916, 47. GW EM Counterpart Korean Observatory (GECKO) optical follow-up of the BH merger event.
GW190412	*Kim, J. et al.* (15 authors) 2021, ApJ 916, 47. GW EM Counterpart Korean Observatory (GECKO) optical follow-up of the BH merger event. *Liu, B., Lai, D.* 2021, MNRAS 502, 2049. (8c) GW produced by hierarchical merger in a multiple system.
GW190425	*Boersma, O.M. et al.* (29 authors) 2021, A&A 650, A131. (4cr) No afterglow radio emission from the double NS merger found.
GW190503	*Kim, J. et al.* (15 authors) 2021, ApJ 916, 47. GW EM Counterpart Korean Observatory (GECKO) optical follow-up of the BH merger event.
GW190521	*Liu, B., Lai, D.* 2021, MNRAS 502, 2049. (8c) GW produced by hierarchical merger in a multiple system. *Palmese, A. et al.* (5 authors) 2021, ApJL 914, L34. (8ac, 9) Do BH mergers produce AGN flares?
GW190814	*de Wet, S. et al.* (11 authors) 2021, A&A 649, A72. (1ao) Follow-up with the optical telescope MeerLIGHT. *Liu, B., Lai, D.* 2021, MNRAS 502, 2049. (8c) GW produced by hierarchical merger in multiple system.

	Zhou, X., Li, A., Li, B.-A. 2021, ApJ 910, 62. (8a) The secondary is a supermassive and superfast NS.
GW200105	*Abbott, R. et al.* (1602 authors) 2021, ApJL 915, L5. Observation of GW consistent with BH-NS coalescence.
GW200115	*Abbott, R. et al.* (1602 authors) 2021, ApJL 915, L5. Observation of GW consistent with BH-NS coalescence.
GX 301-2	(see BP Cru)
GX 339-4	(see V821 Ara)
HIP 19206	(see HD 26040)
HIP 43766	(see HD 76095)
HIP 84425	(see HD 155826)
HIP 101227	(see V2425 Cyg)
Hyades vA 351	(see V805 Tau)
KIC 5197256	(see 2MASS J19383382+4019257)
KIC 5359678	(see 2MASS J19234831+4032527)
KIC 6044064	(see 2MASS J19292475+4119272)
KIC 9773821	(see BD+46°2717)
KIC 9850387	(see 2MASS J19542217+4641258)
KIC 10661783	(see 2MASS J19211161+4758430)
KMT-2019-BLG-0797	*Han, C. et al. (the KMTNet Collaboration)* (21 authors) 2021, A&A 649, A91. (1aio) Binary-lensing event in a binary stellar system.
Lan 30	*Deminova, N.R. et al* (4 authors) 2021, AstL 47, 307. (1ao, 2ao, 5cde) Pre-CV.
LB-1	(see 2MASS J06114907+2249326)
LINEAR 2323566	*Xia, Q. et al.* (4 authors) 2021, PASP 133, 054202. (1ao, 2co, 5abceg) W-type overcontact binary.
LMC 2009a	*Orio, M. et al.* (12 authors) 2021, MNRAS 505, 3113. (1x, 2d, 5cdg) Comparison with other novae.
LS 2883	(see PSR B1259−63)
LS 5039	(see V479 Sct)
MG1-688432	*Tucker, R.A. et al.* (6 authors) 2021, ApJS 256, 1. (1ao, 2abco) Binary with extremely high energy optical outbursts: SB1 but not eclipsing.
MWC 560	(see V694 Mon)
Nova Cen 2013	(see V1569 Cen)
NSVS 780649	*Popov, V., Acerbi, F., Barani, C.* 2021, RAA 21, 225. (1ao, 5abce) Totally-eclipsing WUMa star.
NSVS 13602901	(see 2MASS J16460986−0352153)
NSVS 2443858	*Popov, V., Acerbi, F., Barani, C.* 2021, RAA 21, 225. (1ao, 5abce) Totally-eclipsing WUMa star.
OGLE BLG-ECL-157529	*Mennickent, R.E., Djurašević, G.* 2021, A&A 653, A89. (1ai, 5i) Model for the long and orbital brightness variability of the β Lyrae type binary.
OGLE SMC-SC10 108086	*Abdul-Masih, M. et al.* (13 authors) 2021, A&A 651, A96. (2do, 5g) Constraining the overcontact phase in massive binary evolution. I. Mixing.
RMC 144	(see HD 38282)
S190510g	*Ohgami, T. et al.* (16 authors) 2021, PASJ 73, 350. (1ao, 6ac, 7bd) Optical follow-up of the GW event using Subaru/Hyper Suprime-Cam.

SB 744	*Németh, P. et al.* (4 authors) 2021, A&A 653, A3. (2co, 5h) The first heavy-metal hot subdwarf composite binary.
SN 2017hpa	*Dutta, A. et al.* (5 authors) 2021, MNRAS 503, 896. (1aou, 2do, 5j) Carbon-rich type Ia SN.
SN 2019bkc (ATLAS19dqr)	*Zheng, J.-H., Yu, Y.-W.* 2021, RAA 21, 200. (8acd) Modeling the fast optical transient with a central engine and implication for its origin.
SNhunt120	*Soker, N., Kaplan, N.* 2021, RAA 21, 090. (8acd) Explaining the intermediate luminosity optical transient (ILOT) with jet powering.
SS 433	(see V1343 Aql)
TIC 63328020	*Rappaport, S.A. et al.* (16 authors) 2021, MNRAS 503, 254. (1ao*, 2ao, 5bcdeg) EB with a tidally tilted sectoral dipole pulsation mode.
TIC 157376469	(see V1361 Her)
TIC 168789840	(see TYC 7037-89-1)
TIC 454140642	(see TYC 74-1254-1)
TOI-1278	*Artigau, É. et al.* (42 authors) 2021, AJ 162, 144. (1ao, 2ao, 3b, 5d) Detection of a brown dwarf companion in close orbit around the M dwarf.
TYC 3700-1384-1	*Broens, E.* 2021, MNRAS 501, 4935. (1ao, 5abc) Totally eclipsing A-type W UMa system.
TYC 6995-813-1	*Wadhwa, S.S. et al.* (4 authors) 2021, RAA 21, 235. (1ao, 5abcg) Extreme low mass ratio contact EB.
TYC 7037-89-1 (TIC 168789840)	*Powell, B.P. et al.* (51 authors) 2021, AJ 161, 162. (1ao, 2ao, 5cde) Sextuple system with three EBs.
TYC 74-1254-1 (TIC 454140642)	*Kostov, V.B. et al.* (33 authors) 2021, ApJ 917, 93. (1ao, 2ao, 4a, 5cde) Compact, coplanar, quadruple-lined, quadruple system with two EBs.
Vela PSR	(see HU Vel)
VFTS 352	*Abdul-Masih, M. et al.* (13 authors) 2021, A&A 651, A96. (2do, 5g) Constraining the overcontact phase in massive binary evolution. I. Mixing.
WR 140	(see V1687 Cyg)

General

Ablimit, I. 2021, PASP 133, 074201. (8c) The CO WD + intermediate-mass/massive star binary evolution: possible merger origins for peculiar type Ia and II SNe.

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