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

Individual Stars

π Aqr	*Mayer, A., Deschamps, R., Jorissen, A.* 2016, A&A 587, A30. (1ai, 5j) Search for systemic mass loss in the Algol Be system.
OO Aql	*Li, H.-L. et al.* (4 authors) 2016, RAA 16, 2(1ao, 5abc) Solar-type contact binary with intrinsic LC changes.
V1333 Aql (Aql X-1)	*King, A.L. et al.* (17 authors) 2016, ApJ 819, L29. (1x, 2x) Measuring a truncated disk.
	Waterhouse, A.C. et al. (7 authors) 2016, MNRAS 456 4001. (1x, 5ceg, 8a) Constraining the properties of NS crusts with Aql X-1.
V1405 Aql (XB 1916−053)	*Iaria, R. et al.* (12 authors) 2015, A&A 582, A32. (2dx*, 5b) Signature of a third body orbiting the LMXB.
V1429 Aql (MWC 314)	*Frasca, A. et al.* (7 authors) 2016, A&A 585. A60. (2cdo) Spectral behaviour confirms binarity.
	Richardson, N.D. et al. (27 authors) 2016, MNRAS 455, 244. (1ao, 2bc, 4ci, 5abcegj) Is it an LBV or an interacting binary?
V1487 Aql (GRS 1915+105)	*Mineo, T. et al.* (4 authors) 2016, A&A 586, A56. (2dx) The ρ class burst of the LMXB.
V801 Ara (4U 1636−53)	*Keek, L. et al.* (7 authors) 2015, MNRAS 454, 3559. (1x, 5cgi, 8a) The imprint of carbon combustion on a superburst.
	Lyu, M. et al. (4 authors) 2015, MNRAS 454, 541. (1x, 5bcgi) Spectral and timing analysis of the mHz QPOs.
V821 Ara (GX 339-4)	*De Macro, B. et al.* (4 authors) 2015, MNRAS 454, 2360. (1x, 5cgi, 8a) The evolution of the disc variability along the hard state.
Y Cam	*Hong, K. et al.* (7 authors) 2015, AJ 150, 40. (2acd, 5deg) EB with δ Sct primary.
BH CVn (HR 5110)	*Abbuhl, E. et al.* (4 authors) 2015, ApJ 811, 33. (4br) Radio emission from the K2 IV secondary.
η Car	*Portegies Zwart, S.F., van den Heuvel, E.P.J.* 2016, MNRAS 456, 3401. (8abcd) Was the nineteenth century giant eruption of η Car a merger event in a triple system?
	Richardson, N.D. et al. (5 authors) 2015, AJ 150, 109. (2cd, 5gj, 8b) Variability of optical lines from stellar wind during 2009 event; data and model.
HT Cas	*Neustroev, V.V., Zharikov, S.V., Borisov, N.V.* 2016, A&A 586, A10. (2do, 5i) Voracious vortexes in CVs. A multi-epoch tomographic study.
V615 Cas (LS I +61°303)	*Archambault, S. et al.* (88 authors) 2016, ApJ 817, L7. (1x, 2x) Exceptionally bright Tev flares.
	Massi, M., Torricelli-Ciamponi, G. 2016, A&A 585, A123. (4cr*) Origin of the long-term radio emission modulation in the HMXB.
V635 Cas (4U 0115+63)	*Iver, N. et al.* (5 authors) 2015, MNRAS 454, 741. (1x, 5cgi) Variations in the cyclotron resonant scattering features.
V662 Cas (4U 0114+65)	*Pradhan, P. et al.* (5 authors) 2015, MNRAS 454, 4467. (1x, 5cgi) Alternative interpretations of the periodic dip in the light.
V723 Cas	*Ochner, P. et al.* (4 authors) 2015, MNRAS 454, 123. (2bc, 5bcegi) Long-term monitoring of orbital modulation and secondary-star irradiation.
V776 Cas	*Zhou, T.E. et al.* (6 authors) 2016, ApJ 817 (2), 133. (1a, 2a, 5abcd) Complete analysis of an extreme mass ratio solar-type binary.

VV Cep	*Pollmann, E., Bennett, P.D., Hopkins, J.L.* 2016, IBVS No. 6156. (2ad) Long-term monitoring of Hα line.
XX Cep	*Koo, J.-R. et al.* (5 authors) 2016, AJ 151, 77. (1ao*, 2ad, 5cde) First detection of secondary spectrum; primary is pulsator.
o Cet + VZ Cet (Mira AB)	*Planesas, P., Alcolea, J., Bachiller, R.* 2016, A&A 586, A69. (4cr) The symbiotic binary radio continuum spectrum up to sub-mm wavelengths.
BR Cir (Cir X-1)	*Johnston, H.M., Soria, R., Gibson, J.* 2016, MNRAS 456, 347. (1ao, 2bco, 5cgf) The nature of the companion star.
α Com	*Muterspaugh, M.W. et al.* (10 authors) 2015, AJ 150, 140. (1a*, 5a) Erroneous astrometric data cause eclipse in 26-year binary to be missed.
AL Com	*Kimura, M. et al.* (13 authors) 2016, PASJ 68, L2 (1ao, 5bci) Unexpected superoutburst and rebrightening in 2015.
α CrB	*Schmitt, J.H.M.M. et al.* (9 authors) 2016, A&A 586, A104. (2ao, 5df) New RVs, apsidal motion, and the alignment of rotation and orbit axes.
SS Cyg	*Harrison, T.E., Hamilton, R.T.* 2015, AJ 150, 142. (2di, 5h) Sub-solar carbon abundance from infrared spectroscopy of CV secondary.
V404 Cyg	*Kimura, M. et al.* (68 authors) 2016, Nature 529, 54. (1aoi, 2dx, 5ij) Repetitive patterns in rapid optical variations in the nearby BH LMXB. *Martí, J., Luque-Escamilla, P.L., García-Hernández, M.T.* 2016, A&A 586, A58. (1ao) LMXB in outburst. *Siegert, T. et al.* (10 authors) 2016, Nature 531, 341. (2dg, 5ij) Positron annihilation signatures associated with the microquasar outburst. *Vasilopoulos, G., Petropoulou, M.* 2016, MNRAS 455, 4426. (1x, 5cgi) First detection of x-ray dust-scattered rings.
V1357 Cyg (Cyg X-1)	*Pepe, C., Vila, G.S., Romero, G.E.* 2015, A&A 584, A95. (8ab) Lepto-hadronic model for the HMXB broadband emission.
V1521 Cyg (Cyg X-3)	*Corrales, L.R., Paerels, F.* 2015, MNRAS 453, 1121. (1x, 2dx) Analysis of x-ray halo around Cyg X-3 produced by interstellar dust scattering gives dust grain size and spatial distribution. *Zdziarski, A.A., Segreto, A., Pooley, G.G.* 2016, MNRAS 456, 775. (1rx, 5cg) The radio/x-ray correlation and the nature of its hard spectral state.
V1687 Cyg (WR 140)	*Sugawara, Y. et al.* (10 authors) 2015, PASJ 67, 121 (2dx, 5j) Suzaku monitoring of the WR binary around periastron passage: An approach for quantifying the wind parameters.
V339 Del	*Ahnen, M.L. et al.* (150 authors) 2015, A&A 582, A67. (2dg, 5g) Classical nova after outburst.
AG Dra	*Leedjärv, L. et al.* (5 authors) 2016, MNRAS 456, 2558. (2bc, 5dgi) Spectroscopic view on the outburst activity.
CX Dra	*Mayer, A., Deschamps, R., Jorissen, A.* 2016, A&A 587, A30. (1ai, 5j) Search for systemic mass loss in the Algol Be system.
GQ Dra	*Qian, S.-B. et al.* (9 authors) 2015, AJ 150, 193. (1au, 5abc) Lunar-based UV telescope data shows system to be a mass-transferring Algol.
AA Dor	*Vučković, M. et al.* (5 authors) 2016, A&A 586, A146. (2adou, 5eg) The cool companion of the post-common-envelope system.
TZ For	*Gallenne, A. et al.* (9 authors) 2016, A&A 586, A35. (2ado, 4ci, 5de) The Araucaria project: high-precision orbital parallax and masses of the EB.
YY Her	*Ahnen, M.L. et al.* (150 authors) 2015, A&A 582, A67. (2dg, 5g) Symbiotic nova.

HZ Her (Her X-1)	*Abdallah, M.H., Leahy, D.A.* 2015, MNRAS 453, 4222. (1x, 2dx, 5gi) Analysis of x-ray reflection from companion star atmosphere.
EU Hya	*Yang, Y.-G. et al.* (4 authors) 2016, RAA 16, 15 (1ao, 5abc) Period study and photometric model for short-period Algol.
UV Lep (HD 42659)	*Hartmann, M., Hatzes, A.P.* 2015, A&A 582, A84. (2ado, 5d) Discovery of the first SB around a rapidly oscillating Ap star.
V568 Lyr	*Yakut, K. et al.* (5 authors) 2015, MNRAS 453, 2937. (1ao*, 2ao*, 5bcde) *Kepler* photometry and accurate RV data of eclipsing SB2 system used to derive high-precision absolute dimensions, evolutionary state and distance of G5 V + K3 V system in old open cluster NGC 6791.
V501 Mon	*Torres, G. et al.* (5 authors) 2015, AJ 150, 154. (1ao, 2acd, 5cdefgh) Apsidal motion in binary with metallic-line primary.
V616 Mon (A 0620−00)	*Coronado, Y., Mendoza, S.* 2015, ApSS 360, 35. (2dx*, 8b) Hydrodynamics associated with the x-ray LC of the LMXB.
V743 Mon (HD 50138)	*Jeřábková, T. et al.* (11 authors) 2016, A&A 586, A116. (2acdo) Time-dependent spectral-feature variations of B[e] star.
V868 Mon	*Xiao, Z. et al.* (4 authors) 2015, PASJ 67, 98 (1ao, 5abc) The first four-colour photometric investigation of this W UMa type contact binary.
V960 Mon	*Hackstein, M. et al.* (14 authors) 2015, A&A 582, L12. (1aoi, 6b) LC oscillations possibly due to CB with eccentric orbit.
V381 Nor (XTE J1550−564)	*Su, Y.-H. et al.* (4 authors) 2015, ApJ 815, 74. (2dx) Study of low-frequency QPOs.
	Varniere, P., Mignon-Risse, R., Rodriguez, J. 2016, A&A 586, L6. (2dx, 5i) A possible imprint of QPOs in the x-ray spectra of the BH XB.
RS Oph	*Pavlenko, Ya.V. et al.* (9 authors) 2016, MNRAS 456, 181. (2a, 5degi) Modelling the spectral energy distribution.
RU Peg	*Harrison, T.E., Hamilton, R.T.* 2015, AJ 150, 142. (2di, 5h) Sub-solar carbon abundance from infrared spectroscopy of CV secondary.
ϕ Per	*Mayer, A., Deschamps, R., Jorissen, A.* 2016, A&A 587, A30. (1ai, 5j) Search for systemic mass loss in the Algol B[e] system.
GK Per	*Harrison, T.E., Hamilton, R.T.* 2015, AJ 150, 142. (2di, 5h) Sub-solar carbon abundance from infrared spectroscopy of CV secondary.
V873 Per	*Bogomazov, A. I. et al.* (11 authors) 2016, ApSS 361, 4. (1ao, 5ab) EB has third body.
SZ Psc	*Xiang, Y. et al.* (5 authors) 2016, MNRAS 456, 314. (2bc, 5deg) The first Doppler images.
WZ Sge	*Harrison, T.E.* 2016, ApJ 816 (1), 4. (2aci) Detection of L-dwarf donor.
V4580 Sgr (SAX J1808.4−3658)	*Patruno, T.E. et al.* (8 authors) 2016, ApJ 817 (2), 100. (1aoiux) Reflares and outburst evolution; a disk truncated near co-rotation?.
V4634 Sgr (GS 1826−238)	*Chenevez, D.K. et al.* (15 authors) 2016, ApJ 818 (2), 135. (1x, 2x) Soft x-ray spectral episode for the clocked burster.
	Rodi, J., Jourdain, E., Roques, J.P. 2016, ApJ 817 (2), 101. (1x, 2x) Hard x-ray tail discovered in clocked burster.
U Sco	*Pagnotta, A. et al.* (11 authors) 2015, ApJ 811, 32. (1ioux) Multiwavelength LC during 2010 eruption.
AK Sco	*Castro, A.I.G. et al.* (5 authors) 2016, ApJ 818, L17. (2u) Protoplanetary disk shadowing by infalling gas.

V745 Sco	*Page, K.L. et al.* (18 authors) 2015, MNRAS 454, 3108. (1ux, 5cegi) Detection of the super-swift switch-on of the super-soft phase.
V818 Sco (Sco X-1)	*Pavlovskii, K., Ivanova, N.* 2016, MNRAS 456, 263. (5i, 8ab) Mass transfer and magnetic braking.
V1033 Sco (GRO J1655−40)	*Stuchlík, Z., Kološ, M.* 2016, A&A 586, A130. (2dox) QPO models related to mass and spin of the BH LMXB.
V1101 Sco (GX 349+2)	*Ding, G.O. et al.* (6 authors) 2016, MNRAS 455, 2959. (1x, 5cgi, 8a) Cross-correlation analysis between its soft and hard x-ray LCs.
V1280 Sco	*Sakon, I. et al.* (22 authors) 2016, ApJ 817 (2), 145. (1i, 2i) Formation of carbon and silicate dust from nova ejecta.
V1309 Sco	*Koenigsberger, G, Moreno, E.* 2016, RMxAA 52, 113. (8d) Tidal-shear energy dissipation as mechanism for rapid period change prior to stellar merger.
Nova Sco 2014 (TCP J17154683−3128303)	*Joshi, V. et al.* (5 authors) 2015, MNRAS 452, 3696. (2cdi) Near-IR spectroscopy and small outburst amplitude suggest that this object is a recurrent nova originating from a symbiotic binary with a giant secondary.
V418 Ser	*Kennedy, M. et al.* (6 authors) 2015, ApJ 815 (2), 131. (2acdu) Doppler tomography of AM CVn binary.
AY Sex (PSR J1023+0038)	*Shahbaz, T. et al.* (10 authors) 2015, MNRAS 453, 3461. (1aou*x*, 5ci) Sinusoidal modulation of optical LC of LMXB due to irradiated secondary and AD as well as optical flares observed; correlation with x-ray and UV observations.
DQ Tau	*Czekala, I. et al.* (7 authors) 2016, ApJ 818 (2), 156. (2ao, 4cm, 5e) RV solution.
V781 Tau	*Li, K. et al.* (6 authors) 2016, ApSS 361, 63. (1ao, 2ao, 5abcde) W-type W UMa.
KY TrA	*Zurita, C., Corral-Santana, J.M., Casares, J.* 2015, MNRAS 454, 3351. (1io, 5bceg, 6c) Deep optical images and physical parameters in quiescence.
W UMa	*Pena J.H. et al.* (13 authors), 2015, IBVS No. 6154. (5a) OAN-TNT results of observations.
EQ UMa	*Hu, S.M. et al.* (6 authors) 2015, PASJ 67, 100 (1ao, 5abc) Photometric study and period-variation investigation.
II UMa	*Zhou, X. et al.* (4 authors) 2016, AJ 151, 67. (1ao, 5abc) Photometric solution and period study of contact binary in triple system.
IY UMa	*Bakowska, K., Olech, A.* 2015, AcA 65, 351. (1a, 5c, 6d) Hot spot in eclipsing dwarf nova.
KV UMa (XTE J1118+480)	*Chen, W.-C., Li, X.-D.* 2015, A&A 583, A108. (8bc) Orbital period decay of compact BH XBs: the influence of circumbinary disks.
	Vieyro, F. L., Romero, G. E., Chaty, S. 2016, A&A 587, A63. (2dx*, 3b, 8ad) Modelling the polarization of high-energy radiation from the LMXB accreting BH.
NO UMa	*Schlieder, J.E. et al.* (24 authors) 2016, ApJ 818 (1), 1. (1i, 4ac) Orbit and component masses.
GP Vel (Vel X-1)	*Manousakis, A., Walter, R.* 2015, A&A 584, A25. (2dx, 5gij, 8b) The HMXB stellar wind velocity field.
LM Vel (HD 74194)	*Gamen, R. et al.* (8 authors) 2015, A&A 583, L4. (2ao, 5d) The eccentric short-period orbit of the supergiant fast x-ray transient.

UY Vol (EXO 0748−676)	*Homan, J., Fridriksson, J.K., Remillard, R.A.* 2015, ApJ 812, 80. (1x) Study of low-frequency QPOs.
AW Vul	*Yang, Y.-G. et al.* (4 authors) 2016, RAA 16, 15 (1ao, 5abc) Period study and photometric models for short-period Algol.

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

HR 5110	(see BH CVn)
HD 26525 (GSC 04328-02164)	*Essam, A. et al.* (4 authors) 2016, AJ 151, 19. (1ai*, 5c) First photometric analysis of recently discovered Algol.
HD 41004	*Satyal, S., Musielak, Z.E.* 2016, AN 337, 300. (8a) Investigation of the stability of a planet around HD 41004 A under the influence of HD 41004 B, which itself is a close binary with a brown dwarf companion.
HD 42659	(see UV Lep)
HD 49798	*Liu, D.-D. et al.* (4 authors) 2015, RAA 15, 1813. (8ac) Is the x-ray pulsating companion of HD 49798 a possible type Ia SN progenitor?
HD 50138	(see V743 Mon)
HD 74194	(see LM Vel)
HD 144548	*Alonso, R. et al.* (6 authors) 2015, A&A 584, L8. (1ao, 2ado, 5cd) Young triply eclipsing system in the upper Sco OB association.
HD 161853	*Gamen, R. et al.* (9 authors) 2015, A&A 584, A7. (1bo, 2ao, 5cde) Early-type SB in the centre of an H II region.
HD 188112	*Latour, M. et al.* (10 authors) 2016, A&A 585, A115. (2adu, 5dg) Spectral analysis of sdB star indicates a He-core WD progenitor.
HD 190585 (KIC 9246715)	*Rawls, M.L. et al.* (10 authors) 2016, ApJ 818 (2), 108. (1a, 2aiou, 5e) Double red giant EB with odd out-of-eclipse oscillations.
HD 215227 (MWC 656)	*Grudzinska, M. et al.* (11 authors) 2015, MNRAS 452, 2773. (8c) Be + BH binary emerged from common-envelope evolution.
BD +36°3317	*Kıran, E. et al.* (7 authors) 2016, A&A 587, A127. (1ao*, 2ado, 5abcde) EB a probable member of the δ Lyr cluster.
CPD −63°2495 (PSR B1259−63)	*Chernyakova, M. et al.* (19 authors) 2015, MNRAS 454, 1358. (1gox, 5bcgi) Multi-wavelength observations around the 2014 periastron passage. *van Soelen, B. et al.* (6 authors) 2016, MNRAS 455, 3674. (2bc, 5gi) Optical spectroscopy.

Objects with names including RA and DEC

HE 0017+0055	*Jorissen, A. et al.* (9 authors) 2016, A&A 586, A159. (2ado, 5h) A probable pulsating CEMP-rs (carbon-enriched metal-poor with r- and s-process elements) star and long-period binary.
RX J004722.4−252051	*Heida, M. et al.* (9 authors) 2015, MNRAS 453, 3510. (2aio) Red supergiant companion of massive stellar BH found in ultraluminous x-ray system in NGC 253.
2XMM J011028.1−460421 (ESO 243-49 HLX-1)	*Yan, Z. et al.* (5 authors) 2015, ApJ 811, 23. (8c) Comparison with galactic LMXBs.
4U 0114+65	(see V662 Cas)

4U 0115+63	(see V635 Cas)
SDSS J012119.10−001949.9	*Jiang, L.-Q., Qian, S.-B., Zhan, J.* 2015, RAA 15, 2237. (1ao, 5abc) A very short-period M dwarf contact binary.
SuperWASP J015100.23−100524.2	*Qian, S.B. et al.* (11 authors) 2015, AJ 15, 117. (1ao, 5c) Spotted shallow-contact binary below period limit.
2MASS J02405152+5245066	*Eigmüller, P. et al.* (12 authors) 2016, AJ 151, 84. (1ao, 2a, 5cde) Detached EB with extreme mass ratio; F-type star with M-type companion.
PNV J03093063+2638031	*Munari, U. et al.* (4 authors) 2015, A&A 584, A12. (1aco, 1do) Outburst evolution, historic LC and a flash-ionized nebula around the WZ Sge-type object.
PSR J0453+1559	*Martinez, J.G. et al.* (9 authors) 2015, ApJ 812, 143. (1r, 4b, 5e) Large mass asymmetry.
IGR J04571+4527	*Bernardini, F. et al.* (7 authors) 2015, MNRAS 453, 3100. (1xao, 2adox, 5k) CV of IP type detected as hard and soft x-ray source; WD spin period derived.
1SWASP J050634.16−353648.4	*Norton, A.J. et al.* (5 authors) 2016, A&A 587, A54. (1ao, 2ao, 5bcde) SuperWASP discovery and SALT confirmation of a semi-detached EB that contains a δ Scuti star.
Swift J0525.6+2416	*Bernardini, F. et al.* (7 authors) 2015, MNRAS 453, 3100. (1xao, 2adox, 5k) CV of IP type detected as hard and soft x-ray source; WD spin period derived.
PSR J0614−3329	*Testa, V. et al.* (5 authors) 2015, MNRAS 453, 4159. (1ao*, 4b, 5bk) He WD companion to ms pulsar identified.
A 0620−00	(see V616 Mon)
2MASS J06414422+0925024 (CoRoT 223992193)	*Terquem, C., Sorensen-Clark, P.M., Bouvier, J.* 2015, MNRAS 454, 3472. (1ao, 5cg, 8ab) A circumbinary disc model.
2MASS J07112601+4404051 (CSS081231:071126+440405)	*Worpel, H., Schwope, A.D.* 2015, A&A 583, A130. (1ao, 2doux, 5i) Eclipsing polar.
EXO 0748−676	(see UY Vol)
PSR J0751+1807	*Fortin, M. et al.* (4 authors) 2016, A&A 586, A109. (8c) Progenitor NS of the binary ms PSR.
1SWASP J075102.16+342405.3	*Jiang, L. et al.* (4 authors) 2015, PASJ 67, 118. (1ao, 5abc) A deep overcontact binary system with a period under the short-period cut-off.
ASAS J083241+2332.4	*Sriram, K. et al.* (4 authors) 2016, AJ 151, 69. (1ao, 2d, 5abc) Overcontact binary with extreme mass ratio and probable third body.
SDSS J102102.25+174439.9	*Irawati, P. et al.* (11 authors) 2016, MNRAS 456, 2446. (1ao, 5bcg, 8ab) A large, long-lived structure near the Trojan L5 point.
PSR J1023+0038	(see AY Sex)
2MASS J10255650−5748435 (WR 21a)	*Tramper, F. et al.* (7 authors) 2016, MNRAS 455, 1275. (2abc, 5de) Physical parameters and evolutionary study.
CSS 120422:J111127+571239 (SDSS J111126.84+571238.6)	*Kennedy, M. et al.* (6 authors) 2015, ApJ 815 (2), 131. (2acdu) Doppler tomography of AM CVn binary.
XTE J1118+480	(see KV UMa)
XSS J12270−4859	*de Martino, D. et al.* (10 authors) 2015, MNRAS 454, 2190. (1ioux, 5bcgi) Analysis of multi-wavelength observations.
PSR J1231−1411	*Testa, V. et al.* (5 authors) 2015, MNRAS 453, 4159. (1ao*, 4b, 5bk) He WD companion to ms pulsar identified.

PSR B1259−63	(see CPD −63°2495)
2MASS J13130841−6239275	*Kourniotis, M. et al.* (6 authors) 2015, A&A 582, A42. (1ao, 2adi, 5cdea) Early-type EB in the Danks 2 cluster.
PSR J1357−6429	*Kirichenko, A. et al.* (9 authors) 2015, MNRAS 452, 3273. (1r, 3br, 4ac) ATCA radio interferometry used to measure accurate pulsar position, pulse profiles and polarization.
Swift J1357.2−0933	*Plotkin, R.M. et al.* (12 authors) 2016, MNRAS 456, 2707. (1iorux, 5cgi) A clean sightline to quiescence: multiwavelength observations.
SDSS J143547.87+373338.5	*Qian S.B. et al.* (11 authors) 2016, ApJ 817 (2), 151. (1a, 5ab) Rapid decrease in orbital period of detached WD-MS binary.
4U 1543−624	*Wang, Z. et al.* (4 authors) 2015, PASA 32, 35. (1ao, 5bc) Optical modulation in the x-ray binary revisited.
XTE J1550−564	(see V381 Nor)
PSR J1614−2230	*Fortin, M. et al.* (4 authors) 2016, A&A 586, A109. (8c) Progenitor NS of the binary ms PSR.
UGCS J161630.68251220.1 (EPIC 203710387)	*Lodieu, N. et al.* (15 authors) 2015, A&A 584, A128. (1ao, 2ado, 5cde) A double-lined SB/EB at the stellar/substellar boundary in the upper Sco OB association.
IGR J16195−4945	*Cusumano, G. et al.* (4 authors) 2016, MNRAS 456, 2717. (1x, 5cgei) Swift observations reveal the eclipsing nature.
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TCP J17154683−3128303	(see Nova Sco 2014)
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H 1743−322	*Chakrabarti, S.K., Mondal, S., Debnath, D.* 2015, MNRAS 452, 3451. (8bd) Theoretical investigation of the formation of QPOs in stellar-mass BH binary.
GRO J1744−28	*Doroshenko, R. et al.* (5 authors) 2015, MNRAS 452, 2490. (1x, 2cdx, 5i) BeppoSax observations of transient bursting x-ray pulsar.
Swift J174510.8−262411	*Del Santo, M. et al.* (16 authors) 2016, MNRAS 456, 3585. (1x, 5bcgei, 8a) Spectral and timing evolution of the bright failed outburst.
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1RXS J180408.9−342058	*Baglio, M.C. et al.* (8 authors) 2016, A&A 587, A102. (1aoi, 2doux, 3bo, 5ij) Ultra-compact x-ray binary candidate with transient jet.
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E1821+643	*Shapovalova, A.I. et al.* (12 authors) 2016, ApJS 222, 25. (1ao, 2oi) Long-term spectral monitoring of binary BH candidate.
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2MASS J18520290+4243165 (KIC 7177553)	*Lehmann, H., et al.* (7 authors) 2016, ApJ 819 (1), 33. (2a, 5dg) Quadruple system of two CBs.
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XTE J1908+094	*Salvetti, D. et al.* (11 authors) 2015, ApJ 814, 88. (2dioux) A candidate redback ms pulsar.
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XB 1916−053	(see V1405 Aql)
2MASS J19405783+4009273 (WOCS 24009)	*Brewer, L.N. et al.* (13 authors) 2016, AJ 151, 66. (1ao, 2a, 5abcde) Triple system used to determine distance and age of open cluster NGC 6819.
2MASS J19411684+4007275 (WOCS 23009)	*Brewer, L.N. et al.* (13 authors) 2016, AJ 151, 66. (1ao, 2a, 5abcde) EB used to determine distance and age of open cluster NGC 6819.
2MASS J19413393+4013003 (WOCS 40007)	*Brewer, L.N. et al.* (13 authors) 2016, AJ 151, 66. (1ao, 2a, 5abcde) EB used to determine distance and age of open cluster NGC 6819.
XTE J1946+274	*Marcu-Cheatham, D.M. et al.* (22 authors) 2015, ApJ 815, 44. (2dx, 5d) Observed at low flux, revised orbital elements.
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RX J2015.6+3711	*Coti Zelati, F. et al.* (7 authors) 2016, MNRAS 456, 1913. (1ux, 5cgi) Multiwavelength study.
PSR J2017+0603	*Testa, V. et al.* (5 authors) 2015, MNRAS 453, 4159. (1ao*, 4b, 5bk) He WD companion to ms pulsar identified.
PSR J2129−0429	*Bellm, E.C. et al.* (22 authors) 2016, ApJ 816 (1), 74. (1aoi, 2aui, 5bcde) Properties and evolution.
2MASS J22560844+5954299	*Kjurkchieva, D. et al.* (6 authors) 2015, A&A 584, A40. (1ao, 5bci) CV with deepest eclipse.

X-ray sources with constellation or galaxy names

Aql X-1	(see V1333 Aql)
Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)
IC 10 X-1	*Steiner, J.F. et al.* (8 authors) 2016, ApJ 817 (2), 154. (1x, 2x) Spin of BH in x-ray-WR binary.

NGC 6440 X-2	*Bult, P., Patruno, A., van der Klis, M.* 2015, ApJ 814, 138. (1x) Coherent timing of outbursts.
Sco X-1	(see V818 Sco)
Vel X-1	(see GP Vel)

Objects with other designations

ASASSN-13ax	*Ahnen, M.L. et al.* (150 authors) 2015, A&A 582, A67. (2dg, 5g) Dwarf nova.
CoRoT 223992193	(see 2MASS J06414422+0925024)
ESO 243-49 HLX-1	(see 2XMM J011028.1−460421)
GSC 03164-01558	*Essam, A. et al.* (4 authors) 2016, AJ 151, 19. (1aoi*, 5c) First photometric analysis of recently discovered Algol.
GSC 04328-02164	(see HD 26525)
GW150914	*Abbott, B.P. et al.* (965 authors) 2016, ApJ 818, L22. (gravity-wave detectors) LIGO detects binary BH merger.
GX 339-4	(see V821 Ara)
GX 349+2	(see V1101 Sco)
iPTF 13ehe	*Moriya, T.J. et al.* (5 authors) 2015, A&A 584, L5. (8bd) Revealing the binary origin of Type Ic superluminous SNe through nebular hydrogen emission.
KEPLER-444A	*Dupuy, T.J. et al.* (8 authors) 2016, ApJ 817 (1), 80. (1a, 2a, 4a, 8c) Forming small planets in a truncated stellar disk in triple system.
KIC 4739791	*Lee, J.W. et al.* (6 authors) 2016, AJ 151, 25. (1ao, 5c) New EB with R CMa-type component, many pulsation frequences and extreme mass ratio.
KIC 7177553	(see 2MASS J18520290+4243165)
KIC7664467	*Baran, A.S. et al.* (6 authors) 2016, A&A 585, A66. (1ao, 2do, 5g) A subsynchronously rotating pulsating subdwarf B star in a short-period binary with a WD companion.
KIC 9202990	(see 2MASS J18560806+4537400)
KIC 9246715	(see HD 190585)
KIC 10080943	*Schmid, V.S. et al.* (17 authors) 2015, A&A 584, A35. (1ao, 2ado, 5cdg) An eccentric binary system containing two pressure- and gravity-mode hybrid pulsators.
LS I +61°303	(see V615 Cas)
M31N 2008-12a	*Henze, M. et al.* (6 authors) 2015, A&A 582, L8. (1ao*, 6c) The 2010 eruption recovered and evidence of a six-month period in recurrent nova.
Mira AB	(see o Cet + VZ Cet)
MWC 314	(see V1429 Aql)
MWC 656	(see HD 215227)
NGC 2301	*Wang, K. et al.* (13 authors) 2015, AJ 150, 161. (1ao, 6b) New survey finds variables, including a W UMa system and an EB with a δ Sct component, in metal-rich open cluster.
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NGC 6362	*Kaluzny, J. et al.* (8 authors) 2015, AJ 150, 55. (1ao, 2a, 5cde) Models fit binaries V40, V41 to age of globular cluster.
NGC 6633	*Williams, K.A. et al.* (5 authors) 2015, AJ 150, 194. (2a) Two candidate double degenerates in cluster appear to be unlikely SN 1a progenitors.
NSVS 01286630	*Wolf, M. et al.* (9 authors) 2016, A&A 587, A82. (5ab) Substellar companions in low-mass EB.
NSVS 02502726	*Wolf, M. et al.* (9 authors) 2016, A&A 587, A82. (5ab) Substellar companions in low-mass EB.
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VFTS 652	*Howarth, I.D. et al.* (12 authors) 2015, A&A 582, A73. (1aoi, 2ado, 5cdeg) Massive SB2 in 30 Dor.
WOCS 23009	(see 2MASS J19411684+4007275)
WOCS 24009	(see 2MASS J19405783+4009273)
WOCS 40007	(see 2MASS J19413393+4013003)
WR 21a	(see 2MASS J10255650−5748435)
WR 102c	*Lau, R.M. et al.* (6 authors) 2016, ApJ 818 (2), 117. (1i, 2i) Evidence for binary interaction.
WR 140	(see V1687 Cyg)

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ASAS J072125+2559.1, ASAS J194531+2821.4, ASAS J210121+0447.9, CSS J002629.9+421231, CSS J002641.1+415921, CSS J031004.3+275152, GSC 00163-01415, GSC 00189-01660, GSC 00195-01613, GSC 00472-02473, GSC 01337-01137, GSC 02656-04286, GSC 03151-02485, GSC 03612-00014, GSC 03618-00162, GSC 03618-00448, GSC 03619-00047, GSC 03619-00715, GSC 03627-00379, GSC 03688-01184, GSC 04009-00670, GSC 04046-00313, GSC 04049-00327, GSC 04635-00390, LINEAR 16156855, NSV 25911, NSVS 10363572, NSVS 1394144, NSVS 1750812, NSVS 1824689, NSVS 1841163, NSVS 188332, NSVS 1889885, NSVS 2560518, NSVS 3769020, NSVS 3842733, NSVS 3971593, NSVS 4116978, NSVS 4863977, NSVS 4873889, NSVS 503993, NSVS 5873337, NSVS 5875899, NSVS 8500709, NSVS 8554141, ROTSE1 J125947.50+365843.6, STARE aur0 306, TYC 2964-1200-1, TYC 3983-1552, TYC 4047-267-1, T-Cas0-02013, UCAC3 213-102451, UCAC3 220-058696, U-A2 0900-04405532, U-A2 1275-06888047, U-B1 1176-0623404, U-B1 1177-0635723, U-B1 1177-0635723, U-B1 1177-0636539, U-B1 1178-0639212, U-B1 1400-0455467.

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