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BIBLIOGRAPHY OF CLOSE BINARIES

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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

Z And	*Kilpio, E. et al.* (4 authors) 2012, Ap&SS 335, 155. (2b) Classical symbiotic star during the recent activity period.
AD And	*Liakos, A., Niarchos, P., Budding, E.* 2012, A&A 539, A129. (1ao, 2bo, 5abce) Absolute dimensions and evolutionary status of CB in triple system.
EP And	*Manzoori, D.* 2012, PASA 29, 1. (1bo*, 5abcj) A model for the contact binary.
V405 And	*Ribiero, T., Baptista, R., Kafka, S.* 2011, AJ 142, 106. (2d*, 5eg) Study of surface features of very-low-mass binary.
HU Aqr	*Wittenmyer, R.A. et al.* (5 authors) 2012, MNRAS 419, 3258. (1ao, 5abceg, 8a) Proposed planetary system orbiting the eclipsing polar.
UU Aqr	*Dobrotka, A., Mineshige, S., Casares, J.* 2012, MNRAS 420, 2467. (1ao, 5cegij) A study of the flickering activity.
CI Aql	*Schaefer, B.E.* 2011, ApJ 742, 112. (5bj) Period change, mass ejection during eruption.
V1343 Aql (SS 433)	*Blundell, K.M., Schmidtobreick, L., Trushkin, S.* 2011, MNRAS 417, 2401. (2co, 5ij) Spectral analysis of jets and wind during major flare.
	Bowler, M.G. 2011, A&A 534, A112. (2*, 5j) The wiggle of the wind.
	Goranskij, V.P. 2011, PZ 31, 5. (1, 5ce) Photometric mass estimate for the compact component: and yet it is a NS.
V1408 Aql (4U 1957+11)	*Nowak, M.A. et al.* (6 authors) 2012, ApJ 744, 107. (2x) Most rapidly spinning BH?
V1487 Aql (GRS 1915+105)	*Punsly, B.* 2011, MNRAS 418, 2736. (1girx, 5cgi, 8ac) Models of the compact jet.
	Punsly, B. 2012, ApJ 746, 91. (2r*) Major positronic flare in BH binary.
V1493 Aql	*Friedjung, M.* 2011, A&A 536, A97. (8bcd) Do novae have optically thick winds during outburst, with large deviations from spherical symmetry?
V1723 Aql	*Krauss, M.I.* (11 authors) 2011, ApJ 742, 112. (2dr) Data do not support simple expansion model.
V821 Ara (GX 339-4)	*Cadolle Bel, M. et al.* (11 authors) 2011, A&A 534, A119. (2dix, 5i) HMXB multi-wavelength study during the 2010 outburst.
	Motta, S. et al. (5 authors) 2011, MNRAS 418, 2292. (1x, 5cgi, 8a) Properties and behaviour of low-frequency (QPOs).
	Shidatsu, M. et al. (13 authors) 2011, PASJ 63, S785. (2dix) X-ray and near-infrared observations in the low/hard state.
	Shidatsu, M. et al. (32 authors) 2011, PASJ 63, S803. (2dx) Long-term monitoring in the high/soft state during the 2010 outburst.
	Stiele, H. et al. (4 authors) 2011, MNRAS 418, 1746. (1x, 5cgi, 8a) Spectral properties of transitions between soft and hard states.
TT Ari	*Kleinschuster, G., Weingrill, J.* 2011, SuW 50, 82. (1a, 5ci) MOST observations reveal QPOs; relevance for superhumps discussed.
ϵ Aur	*Stencel, R.E. et al.* (21 authors) 2011, AJ 142, 174. (2di, 5ghi) Structure of disk studied during 2009-2011 eclipse.
FS Aur	*Chavez, C.E. et al.* (5 authors) 2012, A&A 538, A122. (1a, 6b) A dynamical explanation for a long-term modulation in LC - a possible triple CV system.

KR Aur	*Dobrotka, A., Mineshige, S., Casares, J.* 2012, MNRAS 420, 2467. (1ao, 5cegij) A study of the flickering activity.
V363 Aur	*Bisol, A.C., Godon, P., Sion, E.M.* 2012, PASP 124, 158. (2du*, 5di) Accretion models fit archival IUE spectra of UX UMa-type variable.
TZ Boo	*Christopoulou, P.-E., Parageorgiou, A., Chrysopoulos, I.* 2011, AJ 142, 99. (1ao, 2a*, 5abcde) Probable third body detected by light-time effect.
EQ Boo	*Volkov, I.M. et al.* (4 authors) 2011, ARep 55, 824. (1ab, 5c) Multiplicity and apsidal motion.
GK Boo	*Zasche, P., Svoboda, P., Uhlar, R.* 2012, A&A 537, A109. (1a, 2a, 5c) Low-mass EB with dwarf companion.
SZ Cam	*Tamajo, E. et al.* (5 authors) 2012, A&A 539, A139. (1a, 2ac, 5aecd) A β-Cephei pulsator in a quadruple, eclipsing system.
AL Cam	*Liakos, A., Niarchos, P., Budding, E.* 2012, A&A 539, A129. (1ao, 2bo, 5abce) Absolute dimensions and evolutionary status of CB in triple system.
AC Cnc	*Bisol, A.C., Godon, P., Sion, E.M.* 2012, PASP 124, 158. (2du*, 5di) Accretion models fit archival IUE spectra of UX UMa-type variable.
KX Cnc (HD 74057)	*Sowell, J.R., Henry, G.W., Fekel, F.C.* 2012, AJ 143, 5. (1ao, 2bo, 5bcde) Eccentric G0V EB.
R CMa	*Budding, E., Butland, R.* 2011, MNRAS 418, 1764. (1ao, 2a, 5abcdegk, 8a) New spectroscopic observations and analysis.
SW CMa	*Torres, G. et al.* (8 authors) 2012, A&A 537, A117. (1a*, 2a, 5cde) Absolute dimensions of Am-type EB.
HW CMa	*Torres, G. et al.* (8 authors) 2012, A&A 537, A117. (1a*, 2a, 5cde) Absolute dimensions of Am-type EB.
CZ CVn (HD 123351)	*Strassmeier, K.G. et al.* (7 authors) 2011, A&A 535, A98. (1ao, 2do, 5cdek) Binary-induced magnetic activity?
DK CVn	*Dal, H.A., Sipahi, E., Özdarcan, O.* 2012, PASA 29, 54. (1ao) Photometric analysis and detection of several flares.
η Car	*Madura, T.I. et al.* (6 authors) 2012, MNRAS 420, 2064. (2co, 5dgj, 8a) A 3D dynamical model for the broad [Fe III] emission.
	Rest, A. et al. (17 authors) 2012, Nature 482, 375. (1d*, 2dou, 5j) Light echoes reveal an unexpectedly cool system during the 19th Century "Great Eruption."
γ Cas	*Nemravova, J. et al.* (9 authors) 2012, A&A 537, A59. (2ao, 5bd) Confirmation of binary nature; orbital and long-term spectral variations.
V380 Cas	*Christopoulou, P.-E. et al.* (4 authors) 2012, AJ 143, 30. (1ao, 5abc) Period is twice previous value - two nearly identical stars.
V615 Cas (LS I +61°303)	*Aleksic, J. et al.* (154 authors) 2012, ApJ 746, 80. (1g, 2g) Detection of a GRB.
	Chernyakova, M. et al. (6 authors) 2012, ApJ 747, L29. (1rxg) Constant lag between x-ray and radio flares.
	Torres, D.F. et al. (6 authors) 2012, ApJ 744, 106. (1g, 2g) γ-ray binary.
V1001 Cas	*Samec, R.G. et al.* (6 authors) 2012, Observatory 132, 7. (1ao, 5c) Very short-period Algol system.
V779 Cen (Cen X-3)	*Müller, D. et al.* (5 authors) 2011, A&A 535, A102. (2dx) No apparent accretion mode changes detected in HMXB.

V850 Cen (GX 304-1)	*Devasia, J. et al.* (4 authors) 2011, MNRAS 417, 348. (1x) Timing and spectral study of transient x-ray pulsar. *Yamamoto, T. et al.* (8 authors) 2011, PASJ 63, S751. (1x, 2dx) Discovery of a cyclotron resonance scattering feature during outbursts.
GM Cep	*Semkov, E.H., Peneva, S.P.* 2012, Ap&SS 338, 95. (1o, 5b) Optical photometry gives evidence for UXor type of variability.
AY Cet	*Tautvaišiene, G. et al.* (5 authors) 2011, AN 332, 925. (2bco, 5gh) Detailed chemical composition and spectral analysis of giant star with WD companion.
Z Cha	*Nucita, A.A. et al.* (6 authors) 2011, A&A 536, A75. (2dx, 5c) CV eclipses and dips.
CS Cha	*Nagel, E. et al.* (4 authors) 2012, ApJ 747, 139. (2i, 5i) Measurements of a dusty disk.
BR Cir (Cir X-1)	*Calvelo, D.E. et al.* (6 authors) 2012, MNRAS 419, 436. (1r, 5cgi, 8ac) Results from ATCA-CABB radio observations.
V691 CrA (XB 1822−371)	*Iaria, R. et al.* (7 authors) 2011, A&A 534, A85. (2do*u*x, 5b) Detailed study of the x-ray and optical/UV orbital ephemeris of the LMXB.
BP Cru (GX 301-2)	*Fürst, F. et al.* (10 authors) 2011, A&A 535, A9. (2dx, 5ci) Fluorescent lines and absorption variability in HMXB.
32 Cyg	*Burnashev, V.I., Burnasheva, B.A.* 2011, Bull. Crim. Astrophys. Obs., 107, 1. (1b, 2d, 5c) Absolute energy distribution in the spectra of 32 Cyg. - Eclipses of 1987 and 1990.
ZZ Cyg	*Nelson, R.H.* 2012, IBVS No. 6016. (1a, 2a, 5acd) Fundamental parameters.
V407 Cyg	*Orlando, S., Drake, J.J.* 2012, MNRAS 419, 2329. (8bd) Modelling the 2010 blast wave of the symbiotic-like nova.
V455 Cyg	*Djurašević, G. et al.* (7 authors) 2012, MNRAS 420, 3081. (1ao, 2abc, 5abcdegij, 8ab) A photometric and spectroscopic study.
V974 Cyg	*Kuznetsov, M.V. et al.* (5 authors) 2011, ARep 55, 989. (1b, 5c) Photometric elements, apsidal motion, and the third body in the EB.
V1191 Cyg	*Zhu, L.Y. et al.* (5 authors) 2011, AJ 142, 124. (1ao, 5abc) Very low mass-ratio W UMa system with possible third body.
V1357 Cyg (Cyg X-1)	*Belczynsk, K., Bulik, T., Bailyn, C.* 2011, ApJ 742, L2. (8c) Suggest system will undergo type Ib/c supernova. *Cabanac, C., Roques, J.P., Jourdain, E.* 2011, ApJ 739, L6. (2gd) Study of the evolution of the variability at high energies. *Gou, L. et al.* (10 authors) 2011, ApJ 742, 85. (5i) Derived spin parameter of the BH AD. *Orosz, J.A. et al.* (7 authors) 2011, ApJ 742, 84. (5e) BH mass is 14.8 solar masses. *Reid, M.J. et al.* (6 authors) 2011, ApJ 742, 83. (4ar) Binary did not receive a large kick at formation. *Rushton, A. et al.* (11 authors) 2012, MNRAS 419, 3194. (1rx, 5cgij, 8a) Evidence for the presence of a weak compact jet during a soft x-ray state. *Torii, S. et al.* (9 authors) 2011, PASJ 63, S771.(2dx) Suzaku x-ray observations in the low/hard state. *Wong, T-W. et al.* (4 authors) 2012, ApJ 747, 111. (1x*, 2x*) Compact object formation. *Yan, J., Li, H., Liu, Q.* 2012, ApJ 744, 64. (2x)

V1429 Cyg	*Takei, D. et al.* (8 authors) 2011, PASJ 63, S729. (2dx) Remarkable changes in the time series of the spectra in the pre-/post-nova phases.
V1500 Cyg	*Friedjung, M.* 2011, A&A 536, A97. (8bcd) Do novae have optically thick winds during outburst, with large deviations from spherical symmetry?
V1504 Cyg	*Cannizzo, J.K. et al.* (4 authors) 2012, ApJ 747, 117. (1ao) Kepler LCs.
V1521 Cyg (Cyg X-3)	*Tsuboi, M. et al. (5 authors* 2012, PASJ 64, 10. (1r) Isolated millimeter flares.
V1687 Cyg (WR 140)	*Fahed, R. et al.* (34 authors) 2011, MNRAS 418, 2. (2abc, 5bdegj, 8ab) Orbital parameters, masses and mass-loss rates.
V2069 Cyg (RX J2123.7+4217)	*Nasiroglu, I. et al.* (4 authors) 2012, MNRAS 420, 3350. (1aox, 5bcg) Fast photometric and x-ray observations.
V2246 Cyg (EXO 2030+375)	*Klochkov, D. et al.* (8 authors) 2011, A&A 536, L8. (2dx, 5i) Quasi-periodic flares in HMXB.
BY Dra	*Hełminiak, K.G. et al.* (6 authors) 2012, MNRAS 419, 1285. (2a, 5deg, 8ac) Orbital and physical parameters.
EX Dra	*Pilarcik, L. et al.* (5 authors) 2012, A&A 539, A153. (1a, 5b) Period changes of long-period CV.
UZ For	*Potter, S.B. et al.* (14 authors) 2011, MNRAS 416, 2202. (1o*u*x*, 2u*, 5ab) Cyclic period variations derived from eclipse timing analysis suggest presence of two giant exoplanets of IP.
AE For	*Zasche, P., Svoboda, P., Uhlar, R.* 2012, A&A 537, A109. (1a, 2a, 5c) Low-mass EB with dwarf companion.
AL Gem	*Yang, Y.-G., Li, H.-L., Dai, H.-F.* 2012, AJ 143, 13. (1ao, 5abc) Possible third body detected by light-time effect.
RZ Gru	*Bisol, A.C., Godon, P., Sion, E.M.* 2012, PASP 124, 158. (2du*, 5di) Accretion models fit archival IUE spectra of UX UMa-type variable.
SZ Her	*Lee, J.W. et al.* (5 authors) 2012, AJ 143, 34. (1ao, 5abc) Possible two-period light-time effect.
CT Her	*Lampens, P. et al.* (16 authors) 2011, A&A 534, A111. (1ao, 2ao, 5abcd) Multi-site, multi-year monitoring of the oscillating Algol-type EB.
HZ Her (Her X-1)	*Igna, C.D., Leahy, D.A.* 2011, MNRAS 418, 2283. (1x, 5cgi, 8a) Analysis of LC dips.
	Jurua, E. et al. (4 authors) 2011, MNRAS 418, 437. (1aox, 5abcgi) Optical and x-ray LC.
V338 Her	*Liakos, A., Niarchos, P., Budding, E.* 2012, A&A 539, A129. (1ao, 2bo, 5abce) Absolute dimensions and evolutionary status of CB in triple system.
UV Leo	*Manzoori, D.* 2012, AN 333, 256. (1ao*, 5cef) LC and O-C analysis of spotted solar type EB gives system parameters and indication of a third body.
SS Lep	*Blind, N. et al.* (7 authors) 2011, A&A 536, A55. (2a*, 4ci, 5e) Symbiotic system.
GW Lib	*Vican, L. et al.* (14 authors) 2011, PASP 123, 1156. (1ao, 5gi) Photometry during and after outburst shows superhumps and pulsations and yields estimate of accretion rate.
NY Lup	*Potter, S.B. et al.* (7 authors) 2012, MNRAS 420, 2596. (3a, 5bcgi) Detection of spin modulated circular polarization.
V344 Lyr	*Cannizzo, J.K. et al.* (4 authors) 2012, ApJ 747, 117. (1ao) Kepler LCs.

V400 Lyr	*Marino, G.* 2011, IBVS No. 6002. (1a, 5bc) Photometric analysis.
BM Mon	*Yang, Y.-G., Li, H.-L., Dai, H.-F.* 2012, AJ 143, 13. (1ao, 5abc) Possible third body detected by light-time effect.
V578 Mon	*Garcia, E.V. et al.* (5 authors) 2012, AJ 143, 76. (10b) Erratum for AJ 142, 27, 2011.
η Mus	*Butland, R.J., Budding, E.* 2011, IBVS No. 6004. (2a) Another component in multiple system.
QX Nor (4U1608−522)	*Weng, S.-S., Zhang, S.-N.* 2011, ApJ 739, 42. (2dx) Discussion of AD evolution.
ν Oct	*Morais, M.H.M., Correia, A.C.M.* 2012, MNRAS 419, 3447. (8ac) A study of the effect of a binary system on a nearby star's motion.
RS Oph	*Alexander, R.D. et al.* (4 authors) 2011, MNRAS 418, 2576. (8bcd) Disc instability in systems like RS Ophiuchi - a possible path to Type Ia supernovae.
	Vaytet, N.M.H. et al. (6 authors) 2011, ApJ 740, 5. (2dx*) Comparison of synthetic spectrum with data.
V1853 Ori	*Samec, R.G. et al.* (5 authors) 2011, AJ 142, 117. (1ao, 5abc) Low mass-ratio WUMa system.
V1198 Ori (HD 31738)	*Fekel, F.C., Griffin, R.F.* 2011, Observatory 131, 283. (2ao, 5bd) Revised period and elements.
RU Peg	*Balman, S. et al.* (7 authors) 2011, ApJ 741, 84. (2dxua) Observed in quiescence, probing of boundary layer.
II Peg	*Hackman, T. et al.* (10 authors) 2011, AN 332, 859. (1ao, 2ao, 5abdg) Spot activity of RS CVn-type star studied by combining Doppler imaging and high-resolution spectroscopy.
AX Per	*Skopal, A. et al.* (15 authors) 2011, A&A 536, A27. (1ao, 2ado, 5bcdj) Formation of a disk in the symbiotic binary during its 2007-10 precursor-type activity.
V881 Per	*Nelson, R.H.* 2012, IBVS No. 6017. (1a, 2a, 5acd) Spotted detached EB.
SZ Psc	*Cao, D.-T., Gu, S.-H.* 2012, A&A 538, A130. (2b, 8c) New observations of chromospheric and prominence activity on RS CVn-type binary.
AC Psc	*Samec, R.G. et al.* (4 authors) 2011, PASP 123, 1169. (1ao, 5abc)
T Pyx	*Chesneau, O. et al.* (23 authors) 2011, A&A 534, L11. (1ai, 2di, 4ci) Recurrent nova 2011 outburst; evidence for a face-on bipolar ejection.
ϵ Ret	*Farihi, J. et al.* (5 authors) 2011, MNRAS 417, 1735. (2aco, 4a, 5ej) Evolutionary constraints on planet-hosting subgiant primary using its WD companion.
V1223 Sgr	*Hayashi, T. et al.* (5 authors) 2011, PASJ 63, S739. (2dx) Estimation of shock temperature and constraints on the mass and radius of the WD component.
V3885 Sgr	*Prinja, R.K. et al.* (5 authors) 2012, MNRAS 419, 3537. (2bcu, 5degij, 8ab) Orbital and stochastic far-ultraviolet variability.
V4046 Sgr	*Donati, J.F. et al.* (15 authors) 2011, MNRAS 417, 1747. (2co, 3b, 5i) CB with two T Tauri components; time-resolved spectropolarimetry used to study magnetospheric accretion processes.
V4580 Sgr (SAX J1808.4−3658)	*Kajava, J.J.E. et al.* (5 authors) 2011, MNRAS 417, 1454. (1x, 5i) Analysis of pulse profile variations of accreting ms pulsar during outburst.
	Patruno, A. 2012, ApJ 746, L27. (1x) Accelerated orbital expansion?

V4634 Sgr (GS 1826−238)	*Mescheryakov, A.V., Revnivtsev, M.G., Filippova, E.V.* 2011, AstL 37, 826. (1xo, 8bd) Parameters of irradiated AD from optical and x-ray observations.
U Sco	*Schaefer, B.E.* 2011, ApJ 742, 112. (5bj) Period change, mass ejection during eruption. *Schaefer, B.E. et al* (37 authors) 2011, ApJ 742, 113. (1aioux, 2dioux, 5a) Observations during 2010 eruption.
V921 Sco	*Kraus, S. et al.* (5 authors) 2012, ApJ 746, 12. (1ao, 4c) Discovery of a close companion.
BW Scl	*Uthas, H. et al.* (11 authors) 2012, MNRAS 420, 379. (1ao, 5bcgi) Discovery of rapid periodic signals.
V479 Sct (LS 5039)	*Zabalza, V., Bosch-Ramon, V., Paredes, J.M.* 2011, ApJ 743, 7. (8b) Thermal x-ray emission from the shocked stellar wind.
V725 Tau (A0535+262) (HDE 245770)	*Naik, S. et al.* (5 authors) 2012, RAA 12, 177. (1ai, 2di) Near-infrared observations during the periastron passage of the NS component. *Yan, J., Li, H., Liu, Q.* 2012, ApJ 744, 37. (1o, 2o) Mass ejections precede x-ray outbursts.
V773 Tau	*Boden, A.F. et al.* (7 authors) 2012, ApJ 747, 17. (1, 2i, 4) *Torres, R.M. et al.* (7 authors) 2012, ApJ 747, 18. (4c)
FF UMa	*Griffin, R.F.* 2012, A&A 537, A56. (5c, 2a) Orbital period is constant.
FG UMa (HD 89546)	*Özdarcan, O., Evren, S., Henry, G.W.* 2012, AN 333, 138. (1b, 5bcgk) 20 years photometry of SB1 RS CVn binary show cyclic variability on a ≈9-year time scale; spot modelling.
FT UMa	*Yuan, J.-Z.* 2011, RAA 11, 1158. (1ao, 5c) Multicolour photometric study of the evolved contact binary.
KV UMa (XTE J1118+480)	*Hernandez, J.I.G., Rebolo, R., Casares, J.* 2012, ApJ 744, L25. (2a, 5d) Detection of period decrease in BH binary, not explicable by gravity waves or magnetic braking.
GP Vel (HD 77581) (Vel X-1)	*Koenigsberger, G., Moreno, E., Harrington, D.M.* 2012, A&A 539, A84. (2a, 5d) Tidal effects on RV curve.
GK Vir	*Parsons, S.G. et al.* (19 authors) 2012, MNRAS 420, 3281. (1aoi, 2ac, 5abcdeg) Measuring precise masses and radii of both components.
HY Vir	*Lacy, C.H.S., Fekel, F.C.* 2011, AJ 142, 185. (1ao, 2ao, 5abcde) Precise masses and radii.
NY Vir (PG 1336−018)	*Qian, S.-B. et al.* (6 authors) 2012, ApJ 745, L23. (1ai, 5abc) Circumbinary planet orbiting pulsating B-type subdwarf.
PU Vul	*Tatarnikova, A.A. et al.* (7 authors) 2011, ARep 55, 896. (1bi, 2d, 8ac) Spectroscopy and photometry of the symbiotic nova during its nebular phase and minimum of 2007.

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

HD 5980	*Georgiev, L. et al.* (6 authors) 2011, AJ 142, 191. (2duo*, 5ghj) Stellar wind study.
HD 31738	(see V1198 Ori)
HD 74057	(see KX Cnc)

HD 77581	(see GP Vel)
HD 89546	(see FG UMa)
HD 123351	(see CZ CVn)
HD 144432	*Müller, A. et al.* (6 authors) 2011, A&A 535, L3. (1ao, 2bo, 5e, 6b) Young triple system, with components B-C forming a CB.
HD 149427	*Stute, M., Luna, G.J.M.* 2011, IBVS No. 6003. (1x) Implications of the non-detection of x-ray emission.
HD 187091 (KOI-54)	*Fuller, J., Lai, D.* 2012, MNRAS 420, 3126. (1ao, 5cghk, 8a) Dynamical tides and tidally excited stellar pulsations. *Welsh, W.F. et al.* (30 authors) 2011, ApJS 197, 4. (1ao, 2do, 6b) Discovery of highly eccentric binary.
HD 210111	*Paunzen, E. et al.* (4 authors) 2012, MNRAS 419, 3604. (2bc, 5degh) A new λ Bootis-type SB system.
HDE 245770	(see V725 Tau)
HDE 326823	*Richardson, N.D., Gies, D.R., Williams, S.J.* 2011, AJ 142, 201. (2ao, 5dgi) Massive WR+O progenitor with thick accretion torus.
HDE 327083	*Wheelwright, H.E. et al.* (4 authors) 2012, A&A 538, A6. (1a, 2b) VLTI/AMBER observations of binary B[e] supergiant.
CPD $-63°2495$ (PSR B1259$-$63) (LS2883)	*Bogovalov, S.V. et al.* (5 authors) 2012, MNRAS 419, 3426. (8acd) Impact of the magnetization and anisotropy of the pulsar wind. *Khangulyan, D. et al.* (4 authors) 2011, ApJ 742, 98. (8b) γ-ray emission from Comptonization of optical radiation. *Pétri, J., Dubus, G.* 2011, MNRAS 417, 532. (1g, 5j) Striped pulsar wind model for γ-ray binary with radio pulsar component.

X-ray sources with constellation names

Cen X-3	(see V779 Cen)
Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)
LMC X-1	(see 2MASS J05393883$-$6944356)
LMC X-4	(see 1RXS J053246.1$-$662203)
M33 X-8	*Middleton, M.J., Sutton, A.D., Roberts, T.P.* 2011, MNRAS 417, 464. (2x, 5i) Spectral evolution of ultra-luminous x-ray source explained by onset of wind from inner regions of AD.
NGC 300 X-1	*Binder, B. et al.* (6 authors) 2011, ApJ 742, 128. (2dx) Steep power law state.
NGC 1313 X-2	*Liu, J., Orosz, J., Bregman, J.N.* 2012, ApJ 745, 89L. (1aoi, 2aoi, 5cd) Modelling of BH binary object inconclusive as to mass.
NGC 5408 X-1	*Grise, F. et al.* (6 authors) 2012, ApJ 745, 123. (2ioux) Optical emission of ultra-luminous x-ray source due to companion or AD?
SMC X-1	(see 2MASS J01170514$-$7326360)
X Sgr X-4	(see 4U 1820$-$30)

Vel X-1	(see GP Vel)

Objects with names including RA and DEC

RX J0042.3+4115	*Barnard, R., Garcia, M.R., Murray, S.S.* 2011, ApJ 743, 185. (1ox, 2x) Reinstated as a BH binary.
2MASS J01170514−7326360 (SMC X-1)	*Hu, C.-P. et al.* (5 authors) 2011, ApJ 740, 67. (2dx*) Synthetic spectrum from Hilbert-Huang transform.
CXOU J012745.9−733256 (SXP 1062)	*Haberl, F. et al.* (5 authors) 2012, A&A 537, L1. (1x, 5b) Young Be x-ray binary pulsar with long spin period - implications for NS birth spin.
1SWASP J024743.37−251549.2	*Maxted, P.F.L. et al.* (14 authors) 2011, MNRAS 418, 1156. (1a, 2abc, 5abcdeg) Discovery of a stripped red giant core in a bright EB system.
PSR J0437−4715	*Durant, M. et al.* (5 authors) 2012, ApJ 746, 6. (1ai*, 2ioux*g*) Extensive spectrum of PSR-WD binary.
RX J0440.9+4431	*La Palombara, N. et al.* (5 authors) 2012, A&A 539, A82. (1a, 2x) XMM-Newton observation of the persistent Be/NS x-ray binary pulsar.
2MASS J04542368+1709534 (HBC 425)	*Dahm, S.E., Lyke, J.E.* 2011, PASP 123, 1383. (1ai, 2do, 5ghi) Li-depletion in third component as age-determinant for young low-mass system.
SNR 0509−67.5	*Schaefer, B.E., Pagnotta, A.* 2012, Nature 481, 164. Absence of ex-companion stars indicates the double-degenerate model as the only remaining progenitor model.
SNR 0519−69.0	*Edwards, Z.I., Pagnotta, A., Schaefer, B.E.* 2012, ApJ 747, L19. (1ao*x*) Search for the companion of a SN1a.
1RXS J053246.1−662203 (LMC X-4)	*Ballantyne, D.R. et al.* (4 authors) 2012, ApJ 747, L35. (1x, 2x, 5i) X-ray reflection spectra from ADs.
A 0535+26	(see V725 Tau)
2MASS J05393883−6944356 (LMC X-1)	*Ruhlen, L., Smith, D.M., Swank, J.H.* 2011, ApJ 742, 75. (2dx*) Study of variability cause.
	Ziółkowski, J. 2011, MNRAS 418, 2381. (8a) Evolutionary models of the optical component of the LMC X-1/Star 32 binary system.
MAXI J0556−332	*Cornelisse, R. et al.* (11 authors) 2012, MNRAS 420, 3538. (2abc, 5bdegi) Phase-resolved spectroscopy.
	Maitra, D. et al. (4 authors) 2011, ApJ 743, L11. (2cdx) Possible large gravitational redshift.
2MASS J06473802+3730587 (G87-7)	*Ouyed, R., Staff, J., Jaikumar, P.* 2011, ApJ 743, 116. (8ac) Quark nova application.
SDSS J065133.33+284423.3	*Piro, A.L.* 2011, ApJ 740, L53. (8c) Tidal interaction is a merging WD binary.
PTF1 J071912.13+485834.0	*Levitan, D. et al.* (17 authors) 2011, ApJ 739, 68. (1ao, 2bdo) AM CVn system.
2MASS J07334625+2619260	*Denisenko, D.V. et al.* (6 authors) 2011, AstL 37, 858. (1d*, 1ao, 2c, 5ac, 6b), New CV in Gemini.
PSR J0737−3039 A/B	*Breton, R.P. et al.* (10 authors) 2012, ApJ 747, 89. (1r, 2r) Radio eclipses from double pulsar.
SDSS J085746.18+034255.3	*Parsons, S.G. et al.* (11 authors) 2012, MNRAS 419, 304. (1aoi, 2abc, 5abcdeg, 8ac) The shortest-period detached WD + main-sequence binary.

SDSS J0926+3624	*Sengupta, S., Taam, R.E.* 2011, ApJ 739, 34. (2do*, 8a) Synthetic spectrum.
2MASS J10185560−5856459 (1FGL J1018.6−5856)	*Ackermann, M. et al. (the Fermi LAT Collaboration)* (156 authors) 2012, 189. Science 335, (2douxg, 6bc) Periodic emission from a γ-ray binary. *Napoli, V.J. et al.* (4 authors) 2011, PASP 123, 1262. (1ao) Distance estimate for γ-ray binary.
PSR J1023+0038	*Bogdanov, S. et al.* (8 authors) 2011, ApJ 742, 97. (2dx, 8b) X-ray variability explained by occultation by bow shock.
XTE J1118+480	(see KV UMa)
SDSS J121010.13+334722.9	*Pyrzas, S. et al.* (12 authors) 2012, MNRAS 419, 817. (1ao, 2abc, 5abcdeg, 8a) Accurate stellar parameters.
SDSS J121258.25−012310.1	*Parsons, S.G. et al.* (19 authors) 2012, MNRAS 420, 3281. (1aoi, 2ac, 5abcdeg) Measuring precise masses and radii of both components.
XSS J12270−4859	*Saitou, K. et al.* (8 authors) 2011, PASJ 63, S759. (1ai, 2dx) Detection of several simultaneous near-infrared and x-ray flares and some similarities to microquasars.
PSR B1259−63	(see CPD −63°2495)
PG 1336−018	(see NY Vir)
SDSS J145758.21+514807.9	*Uthas, H. et al.* (11 authors) 2012, MNRAS 420, 379. (1ao, 5bcgi) Discovery of rapid periodic signals.
IGR J15094−6649	*Potter, S.B. et al.* (7 authors) 2012, MNRAS 420, 2596. (3a, 5bcgi) Detection of spin modulated circular polarization.
PSR J1537+1155 (PSR B1534+12)	*Durant, M. et al.* (4 authors) 2011, ApJ 741, 65. (2dx) Orbital variation in x-ray emission.
4U1608−522	(see QX Nor)
PSR J1614−2230	*Tauris, T.M., Langer, N., Kramer, M.* 2011, MNRAS 416, 2130. (8c) Stellar evolution modelling of intermediate mass XRBs to explain formation of 2 $M_\odot$ binary millisecond pulsar.
IGR J16418−4532	*Romano, P. et al.* (9 authors) 2012, MNRAS 419, 2695. (1ux, 5bcgi) Modelling the x-ray emission. *Sidoli, L. et al.* (4 authors) 2012, MNRAS 420, 554. (1x, 5bcgi) Explaining the behaviour of x-ray variability.
Swift J164449.3+573451 (GRB 110328A)	*Ouyed, R., Staff, J., Jaikumar, P.* 2011, ApJ 743, 116. (8ac) Quark nova application.
XTE J1650−500	*Yan, L.-H., Wang, J.-C.* 2012, RAA 12, 269. (2dx*) Spectral fits to RXTE observations of the BH candidate.
MAXI J1659−152	*Ramanpreet, K. et al.* (18 authors) 2012, ApJ 746, L23. (2u) Candidate BH in putburst. *Yamaoka, K. et al.* (15 authors) 2012, PASJ 64, 32. (2dx) Combined spectral and timing analysis.
IGR J17091−3624	*Altamirano, D., Belloni, T.* 2012, ApJ 747, L4. (1x, 2x) High frequency QPO's in BH binary. *Altamirano, D. et al.* (12 authors) 2011, ApJ 742, 17. (2dx) One of the least massive BH candidates. *King, A.L. et al.* (9 authors) 2012, ApJ 746, L20. (2xr, 5i) X-ray disk Wind.
SAX J1712.6−3739	*Yoon, D. et al.* (7 authors) 2011, ApJ 742, 25. (2cd) Prediction of bow shock from interaction with ISM.

PSR J1719−1438	*Bailes, M. et al.* (18 authors) 2011, Science 333, 1717. (2di, 5k) Transformation of a star into a planet in a millisecond pulsar; binary companion may be an ultralow-mass carbon WD.
XTE J1719−291	*Armas Padilla, M. et al.* (8 authors) 2011, MNRAS 417, 659. (1x, 5j) Spectral evolution of x-ray transient with possible NS component during decay from outburst.
IGR J17354−3255	*Sguera, V. et al.* (6 authors) 2011, MNRAS 417, 573. (1x*, 2x) Possible HMXB.
IGR J17361−4441	*Bozzo, E. et al.* (10 authors) 2011, A&A 535, L1. (2dx) A possible new accreting XRB in NGC 6388.
Suzaku J174035.6−301416	*Uchiyama, H. et al.* (6 authors) 2011, PASJ 63, S865. (2dx) A new IP candidate.
IGR J17473−2721	*Chen, Y.P. et al.* (7 authors) 2011, A&A 534, A101. (2dx, 5i) LMXB 2008 outburst; evidence for a disk corona?
1RXS J174755.8−263352 (GX 3+1)	*Seifna, E., Titarchuk, L.* 2012, ApJ 747, 99. (1x, 2x) UB-LB observations of binary NS.
Swift J1749.4−2807	*D'Avanzo, P. et al.* (7 authors) 2011, A&A 534, A92. (2dix) A search for the near-IR counterpart of the eclipsing millisecond x-ray pulsar.
IGR J17498−2921	*Papitto, A. et al.* (9 authors) 2011, A&A 535, L4. (2dx, 5bc, 6b) A 401-Hz accreting millisecond pulsar in a 3.8 h orbit.
XTE J1752−223	*Nakahira, S. et al.* (37 authors) 2012, PASJ 64, 13. (2dx) X-ray spectral analyses in the high/soft state.
	Russell, D.M. et al. (18 authors) 2012, MNRAS 419, 1740. (1aoirux, 3a, 5cgi) A late jet rebrightening revealed from multiwavelength monitoring.
XTE J1807−294	*Leahy, D.A., Morsink, S.M., Chou, Y.* 2011, ApJ 742, 17. (2dx, 5e) Constraint made on mass and radius of NS.
2MASS J18083580+1010298	*Yakin, D.G. et al.* (5 authors) 2011, AstL 37, 845. (1a, 2a, 5i, 8bd), Investigation of new CV.
SAX J1808.4−3658	(see V4580 Sgr)
4U 1820−30 (X Sgr X-4)	*Snezana, P., Murray, N.* 2012, ApJ 747, 4. (1x, 2x) 170-day periodicity may be due to libration.
XB 1822−371	(see V691 CrA)
GS 1826−238	(see V4634 Sgr)
XB 1832−330	*Engel, M.C. et al.* (5 authors) 2012, ApJ 747, 119. (1ai) 2.5 Hour period for LMXB.
AX J1841.0−0536	*Li, X.-D., Zhang, Z.* 2011, MNRAS 418, 556. (1x, 5cgi, 8a) Could it be an anti-magnetar?
PSR J1903+0327	*Bejger, M. et al.* (4 authors) 2011, A&A 536, A87. (8ac) Implications of PSR parameters for its progenitor NS.
	Khargharia, J. et al. (5 authors) 2012, ApJ 744, 183. (2i) MS Pulsar Binary.
GRS 1915+105	(see V1487 Aql)
2MASS J19423720+4745486 (USNO-B1.0 1377-0415424)	*Almenara, J.M. et al.* (9 authors) 2012, MNRAS 420, 3017. (1ao, 2abc, 5abcdeg) An eclipsing post-common-envelope binary in the field of the Kepler mission.
3A 1954+319	*Marcu, D.M. et al.* (10 authors) 2011, ApJ 742, L11. (2dgx) Observation of 5.3-hr pulse period.
4U 1957+11	(see V1408 Aql)

EXO 2030+375	(see V2246 Cyg)
2MASS J20313321−0705178 (PN G038.1-25.4)	*Miszalski, B. et al.* (7 authors) 2012, MNRAS 419, 39. (2abc, 5deg, 8ac) A barium central star binary in the planetary nebula Abell 70.
RX J2123.7+4217	(see V2069 Cyg)
HS 2325+8205	*Pyrzas, S. et al.* (15 authors) 2012, PASP 124, 204. (1ao, 2ado, 5di) Ideal system for AD studies.

Objects with other designations

CGCS 5926	*Masetti, N. et al.* (6 authors) 2011, A&A 534, A89. (2ao, 2doux) Symbiotic XRB?
CHXR 74	*Joergens, V., Janson, M., Mueller, A.* 2012, A&A 537, A13. (2a, 5e) Orbit of young very low-mass SB.
G87-7	(see 2MASS J06473802+3730587)
GRB 101225A	*Campana, S. et al.* (20 authors) 2011, Nature 480, 69. Unusual γ-ray burst explained as a minor body falling onto a NS. *Thöne, C.C. et al.* (34 authors) 2011, Nature 480, 72. A He star/NS merger at redshift 0.33.
GRB 110328A	(see Swift J164449.3+573451)
GX 3+1	(see 1RXS J174755.8−263352)
GX 301-2	(see BP Cru)
GX 304-1	(see V850 Cen)
GX 339-4	(see V821 Ara)
HBC 425	(see 2MASS J04542368+1709534)
Kepler-34b	*Welsh, W.F. et al.* (46 authors) 2012, Nature 481, 475. (1ao, 2ao, 5cde) A transiting circum-EB planet.
Kepler-35b	*Welsh, W.F. et al.* (46 authors) 2012, Nature 481, 475. (1ao, 2ao, 5cde) A transiting circum-EB planet.
KOI-54	(see HD 187091)
KOI-565	*Colón, K.D., Ford, E.B.* 2011, PASP 123, 1391. (1ao, 6b) Kepler variation is due not to super-Earth-sized planet but to EB.
LS 2883	(see CPD −63°2495)
LS 5039	(see V479 Sct)
LS I +61°303	(see V615 Cas)
M31 ULX-1	*Middleton, M.J. et al.* (5 authors) 2012, MNRAS 420, 2969. (1x, 5cegi, 6b, 8a) A LMXB in M31.
NGC 346-013	*Ritchie, B.W. et al.* (8 authors) 2012, A&A 537, A29. (1a, 5e, 8c) The VLT-FLAMES survey of massive stars: NGC 346-013 as a test case for massive CB evolution.
NGC 1348	*Fang, X.-S. et al.* (6 authors) 2012, RAA 12, 83. (1ao, 5ac) Photometric analysis of a newly discovered active EB in the field of NGC 1348.
NGC 2539 V3 and V4	*Kiron, Y.R., Sriram, K., Vivekananda Rao, P.* BASI 40, 51. (1ao, 5abce) Photometric analyses of two contact binaries in the open cluster NGC2539.
NGC 4449	*Rangelov, B. Prestwich, A.H. Chandar, R.* 2011, ApJ 741, 86. (1ax, 6d) Discovery of 23 XRB candidates.

NGC 7142	*Sandquist, E.L., Serio, A.W., Shetrone, M.* 2011, AJ 142, 194. (1ao, 2ao, 6b) New variable stars in old open cluster, including some EBs.
PN G038.1−25.4	(see 2MASS J20313321−0705178)
SN 2011fe	*Li, W. et al.* (29 authors) 2011, Nature 480, 348. Exclusion of a luminous red giant as a companion star to the SN progenitor. *Nugent, P.E. et al.* (39 authors) 2011, Nature 480, 344. (2dox) Exploding C/O WD progenitor.
SN 2010da	*Binder, B. et al.* (7 authors) 2011, ApJ 739, L51. (2dx, 6b) Suggest this is a massive XRB.
SS 433	(see V1343 Aql)
SXP 1062	(see CXOU J012745.9−733256)
USNO-B1.0 1377-0415424	(see 2MASS J19423720+4745486)
WR 140	(see V1687 Cyg)

General

Adams, F. et al. (5 authors) 2011, ApJ 743, 175. Magnetic interactions in young binaries. (8ad)

Antokhin, I.I. 2012, MNRAS 420, 495. Solving LCs of WR+O binaries by Tikhonov's regularization method.

Backhaus, U. et al. (42 authors) 2012, A&A 538, A84. The quest for companions to post-common envelope binaries. I. Searching a sample of stars from the CSS and SDSS.

Bahena, D., Hadrava, P. 2012, Ap&SS 337, 651. First stars. II. Evolution with mass loss.

Barbary, K. et al. (43 authors) 2012, ApJ 745, 32. The SN Ia rate increases with redshift. (8ac)

Bejger, M. et al. (4 authors) 2011, A&A 536, A92. Compression of matter in the centre of accreting NSs.

Belloni, T.M., Motta, S.E., Muoz-Darias, T. 2011, BASI 39, 409. BH transients.

Bhadkamker, H., Ghoosh, P. 2012, ApJ 746, 22. Luminosities and period distributions of HMXB's in galaxies. (9)

Bíro, I.B., Nuspl, J. 2011, MNRAS 416, 1601. Photometric mode identification of non-radial pulsations in EBs – I. Dynamic eclipse mapping.

Blay, P. 2012, Ap&SS 335, 137. UV view of HMXB systems (what we know and perspectives for WSO-UV).

Bodaghee, A. et al. (4 authors) 2012, ApJ 744, 108. Spatial correllation beteen HMXB and OB associations. (9)

Bosch-Ramon, V., Barkov, M.V. 2011, A&A 535, A20. Large-scale flow dynamics and radiation in pulsar γ-ray binaries.

Boyajian, T.S. et al. (18 authors) 2012, ApJ 746, 101. CHARA Array determine 44 diameters of A,F, and G-type stars providing new main sequence radii-mass vs. colour indices tables. (4c)

Bravo, E. et al. (6 authors) 2011, A&A 535, A114. Type Ia SNe and the ^{12}C + ^{12}C reaction rate.

Casanova, J. et al. (5 authors) 2011, Nature 478, 490. (8ab) Kelvin-Helmholtz instabilities as the source of inhomogeneous mixing in nova explosions.

Clark, B.M., Blake, C.H., Knapp, G.R. (3 authors) 2012, ApJ 744, 119. M-Dwarf CB fraction from SDSS. (2ao*, 9)

Cohen, O., Drake, J.J., Kashyap, V.L. 2012, ApJ 746, L3. 3D MHD numerical model of WD binary with stellar corona and wind. (8ad)

Dabringhaysen, J. et al. (4 authors) 2012, ApJ 747, 72. High frequency of LMXB predicates high mass-to-light ratio in ultracompact dwarf galaxies. (9)

Davis, P.J., Kolb, U., Knigge, C. 2012, MNRAS 419, 287. Is the common envelope ejection efficiency a function of the binary parameters?.

Dawson, S.A., Schröder, K.-P. 2012, MNRAS 420, 2339. Exposing the hidden WD binary origin by means of a synthetic population model for nearby single stars.

Dryomova, G.N., Svechnikov, M.A. 2012, Ap&SS 338, 103. Tidal torque constants as a critical test for an evolution of close EBs.

Ekstrom, S. et al. (12 authors) 2012, A&A 537, A146. Grids of stellar models with rotation. I. Models from 0.8 to 120 $M_\odot$ at solar metallicity (Z=0.014).

Erkut, M.H. 2011, ApJ 743, 5. (8b) Study of QPOs.

Farr, W.M. et al. (7 authors) 2011, ApJ 741, 103. (8a) Derived mass function of stellar mass BH's.

Fateeva, A.M. et al. (4 authors) 2012, Ap&SS 335, 125. Gaseous flows in the inner part of the circumbinary disk of a binary T Tauri star.

Fu, L., Li, X.-D. 2011, RAA 11, 1457. On pulsar-driven mass ejection in LMXB.

Fujii, M.S., Portegies Zwart, S. 2011, Science 334, 1380. The origin of OB runaway stars.

Fukue, J. 2011, PASJ 63, 1273. Vertical radiative transfer in ADs: Roles of scattering effects.

Geller, A.M., Mathieu, R.D. 2011, Nature 478, 356. (2a*, 5d, 9) A mass transfer origin for blue stragglers in NGC 188 as revealed by half-solar-mass companions.

Ghoreyshi, S.M.R., Ghanbari, J., Salehi, F. 2011, PASA 28, 290. The effect of circumstellar material on the LCs of EB systems.

Grout, P.J. 2012, ApJ 745, 55. Rotational Doppler broadening detection is probably impossible at this time. (8a)

Hachisu, I. et al. (4 authors) 2012, ApJ 744, 69. SN1a origin from WD with masses greater than Chandrasekhar limit. (8ad)

Harrison, T.E. et al. (4 authors) 2012, AJ 143, 4. Six new EBs found from Kepler cycle 1.

Holberg, J.B., Oswalt, T.D., Barstow, M.A. 2012, AJ 143, 68. Observational constraints on degenerate M-R relationship.

Ingram, A., Done, C. 2012, MNRAS 419, 2369. Modelling variability in BH binaries: linking simulations to observations.

Inoue, H. 2012, PASJ 64, 40. Tidal-force-induced precessions of ADs.

Kashi, A., Soker, N. 2011, MNRAS 417, 1466. A circumbinary disc in the final stages of common envelope and the core-degenerate scenario for Type Ia supernovae.

Kasliwal, M.M. 2011, BASI 39, 375. Transients in the local universe: systematically bridging the gap between novae and supernovae.

Kato, M., Hachisu, I. 2012, ApJ 743, 157. Effects of companion star on nova outbursts. (8b)

Knigge, C., Coe, M.J., Podsiadlowski, P. 2011, Nature 479, 372. Two populations of x-ray pulsars produced by two types of SNe.

Kozlowski, S.K., Konacki, M., Sybilski, P. 2011, MNRAS 416, 2020. Radio pulsar style timing of EB stars from the All Sky Automated Survey catalogue.

Kylafis, N.D. et al. (4 authors) 2012, A&A 538, A5. Formation and destruction of jets in x-ray binaries.

Lebzelter, T. et al. (13 authors) 2012, A&A 539, A109. CRIRES-POP. A library of high resolution spectra in the near-infrared.

Li, L.-S. 2012, ChA&A 36, 63. Secular effects on orbits of binary stars induced by temporal variation of gravitational constant (case for elliptical orbit).

Liu, W.-M., Chen, W.-C. 2011, MNRAS 416, 2285. On the progenitors of millisecond pulsars by the recycling evolutionary channel.

Long, J.P. et al. (5 authors) 2012, PASP 124, 280. Optimising automated classification of variables in new surveys.

Lu, P., Deng, L.-C., Zhang, X.-B. 2011, RAA 11, 1336. Modelling blue stragglers in young clusters.

Lugovskii, A.Yu., Chechetkin, V.M. 2012, ARep 56, 96. The development of large-scale instability in Keplerian stellar ADs. (8d)

Maeder, A. et al. (4 authors) 2012, A&A 539, A110. On the Eddington limit and WR stars.

Malkov, O., Mironov, A., Sichevskij, S. 2012, Ap&SS 335, 105. Single-binary star separation by ultraviolet colour index diagrams.

Mapelli, M. et al. (4 authors) 2011, MNRAS 416, 1756. Dynamics of massive stellar BHs in young star clusters and the displacement of ultra-luminous x-ray sources.

Marks, M., Kroupa, P. 2011, MNRAS 417, 1702. Dynamical population synthesis: constructing the stellar single and binary contents of Galactic field populations.

Marks, M., Kroupa, P., Oh, S. 2011, MNRAS 417, 1684. An analytical description of the evolution of binary orbital-parameter distributions in N-body computations of star clusters.

Martins, F. et al. (4 authors) 2012, A&A 538, A39. (1a, 2c) A quantitative study of O stars in NGC 2244 and the Mon OB2 association, including some binaries.

Marzari, F. et al. (4 authors) 2012, A&A 539, A98. Eccentricity of radiative disks in CB systems.

McWilliams, S.T., Levin, J. 2011, ApJ 742, 90. (8c) Calculation of electromagnetic energy produced by BH, NS coalescence.

Mereghetti, S. et al. (5 authors) 2011, A&A 536, A69. (2dx, 5j) Search for x-ray emission from subdwarf B stars with compact companion candidates.

Metzger, B.D., Berger, E. 2012, ApJ 746, 48. Other ways to detect double NS mergers besides GW. (8a)

Mineo, S., Gilfanov, M., Sunyaev, R. 2012, MNRAS 419, 2095. X-ray emission from star-forming galaxies - I. HMXBs.

Monelli, M.et al. (11 authors) 2012, ApJ 744, 13. Over 2000 blue stragglers studied in 2 dSph galaxies indicate binary magnetic braking origins. (1aoi)

Montero, P.J., Zanotti, O. 2012, MNRAS 419, 1507. Oscillations of relativistic axisymmetric tori and implications for modelling kHz-QPOs in NS x-ray binaries.

Nakar, E., Piran, T. 2011, Nature 478, 82. Detectable radio flares following gravitational waves from mergers of binary NSs.

Nanouris, N. et al. (4 authors) 2011, A&A 535, A126. Efficiency of O-C diagrams as diagnostic tools for long-term period variations. I. Wind-driven mass loss and magnetic braking.

Nataf, D.M., Gould, A., Pinsonneault, M.H. 2012, AcA 62, 33 Detached red giant EB twins: Rosetta stones to the galactic bulge.

Nebot Gómez-Morán, A. et al. (21 authors) 2011, A&A 536, A43. (9) Post common envelope binaries from SDSS. XII. The orbital period distribution.

Oda, H. et al. (5 authors) 2012, PASJ 64, 15. Global structure of optically thin, magnetically supported, two-temperature, BH ADs.

Pakmor, R. et al. (4 authors) 2012, ApJ 747, L10. Simulated SN1a detonation from WD + WD inspiral. (8ac)

Pál, A. 2012, MNRAS 420, 1630. Light-curve modelling for mutual transits.

Palate, M., Rauw, G. 2012, A&A 537, A119. Spectral modelling of circular massive binary systems. Towards an understanding of the Struve-Sahade effect?

Pasternacki, T. et al. (16 authors) 2011, AJ 142, 114. Variable-star census in Perseus field detects new and known EBs.

Pathania, A., Medupe, T. 2012, Ap&SS 338, 127. Radii of the Roche equipotential surfaces.

Paul, B., Naik, S. 2011, BASI 39, 429. Transient HMXBs.

Peter, D. et al. (4 authors) 2012, A&A 538, A74. Massive binaries in the Cepheus OB2/3 region. Constraining the formation mechanism of massive stars.

Raskin, C. et al. (5 authors) 2012, ApJ 746, 62. Properties of WD mergers from MHD simulations. (8c)

Richards, J.W. et al. (9 authors) 2012, ApJ 744, 192. Active learning algorithm classification of variable star curves. (7d)

Ricker, P.M., Taam, R.E. 2012, ApJ 746, 74. Hydrodynamic simulation of common-envelope inspiralling of 1 and 0.6 solar mass stars. (8ad)

Riquelme, M.S., Torrejon, J.M., Negueruela, I. 2012, A&A 539, A114. Circumstellar emission in Be/x-ray binaries of the Magellanic Clouds and the Milky Way.

Roman, R. 2012, Ap&SS 335, 475. 'Similar' coordinate systems and the Roche geometry: application.

Shag, Y., Li, X-D. 2012, ApJ 745, 165. AML of CV via circumbinary disk on the binaries below the period gap. (8abd)

Shtemler, Y.M., Liverts, E., Mond, M. 2012, AN 333, 266. Thermomagnetic and magnetorotational instabilities of thin Keplerian discs in poloidal magnetic fields.

Shugarov, A.S. et al. (4 authors) 2012, Ap&SS 335, 317. WSO-UV project guide star catalogue: experimental verification of its photometric system.

Slawson, R.W. et al. (24 authors) 2011, AJ 142, 160. Kepler second data release includes 2165 EBs.

Szkody, P. et al. (14 authors) 2011, AJ 142, 181. Final list of EBs from SDSS.

Taani, A. et al. (4 authors) 2012, AN 333, 53. Where do the progenitors of millisecond pulsars come from? (Origin from LMXBs and CVs discussed).

Tauris, T.M. 2012, Science 335, 561. (8acd) Spin-down of radio millisecond pulsars at genesis.

Thebault, P. 2012, A&A 537, A65. A new code to study structures in collisionally active, perturbed debris discs: application to binaries.

van Haaften, L.M. et al. (5 authors) 2012, A&A 537, A104. The evolution of ultracompact x-ray binaries.

Wanajo, S., Janka, H-T. 2012, ApJ 746, 180. Neutrino driven wind from BH binary. (8ab)

Wang, J. et al. (5 authors) 2012, AN 333, 274. Statistical analysis for the Q-factor of twin kHz QPOs.

Wang, L. et al. (21 authors) 2011, AJ 142, 155. Photometry of variables from Antarctica including some new EBs.

Winkler, C. et al. (4 authors) 2011, Space Science Reviews 161, 149. INTEGRAL: science highlights and future prospects.

Woods, T.E. et al. (4 authors) 2012, ApJ 744, 12. Formation of binary WD's through stable mass transfer. (8ad)

Zhu, C. et al. (4 authors) 2012, PASP 124, 204. Models for donor stars in persistent NS LMXBs.

Zhu, X.-J. et al. (5 authors) 2011, ApJ 739, 86. (8c) Estimate of stochastic gravitational wave background from coalescing binary BH's.

Zorotovic, M. et al. (14 authors) 2011, A&A 536, L3. (9) Post common envelope binaries from SDSS. XIII. Mass dependencies of the orbital period distribution.

Zorotovic, M., Schreiber, M.R., Gänsicke, B.T. 2011, A&A 536, A42. (9) Post common envelope binaries from SDSS. XI. The WD mass distributions of CVs and pre-CVs.

Collections of data

Bates, S.D. et al. (16 authors) 2011, MNRAS 416, 2455. (1r, 6b) Five millisecond pulsars found in binary systems: PSR J1125−5825, PSR J1708−3506, PSR J1731−1847, PSR J1801−3210, PSR J1811 −2405.

Diethelm, R. 2012, IBVS No. 6011. (5a) Timings of minima of EBs: WX And, AB And, DK And, DO And, EP And, FL And, GW And, GZ And, LM And, LY And, NZ And, QW And, QX And, V404 And, V444 And, V449 And, V452 And, V463 And, GSC 1739-1463, GSC 2822-1558, GSC 2825-603, GSC 3234-1318, GSC 3243-336, GSC 3243-962, GSC 3627-1727, GSC 3638-2422, GSC 3644-1562, ST Aqr, SU Aqr, CK Aqr, CR Aqr, CX Aqr, DD Aqr, EF Aqr, EX Aqr, FS Aqr, GH Aqr, GK Aqr, GM Aqr, GZ Aqr, HV Aqr, MO Aqr, NN Aqr, NW Aqr, GSC 529-281, GSC 567-602, GSC 568-1328, GSC 5191-146, GSC 5197-695, GSC 5210-437, GSC 5220-352, GSC 5233-327, GSC 5248-214, GSC 5777-383, GSC 5802-335, GSC 5804-102, GSC 5811-437, GSC 5817-92, GSC 5817-435, GSC 5818-1148, GSC 5820-1011, GSC 5821-87, GSC 5826-1082, GSC 5835-944, GSC 5836-40, GSC 6386-105, GSC 6403-431, V761 Aql, GSC 5160-500, GSC 5172-1240, GSC 5743-114, SS Ari, SZ Ari, TX Ari, AL Ari, BM Ari, BN Ari, GSC 645-85, GSC 1209-1201, GSC 1210-442, GSC 1213-1483, GSC 1217-696, GSC 1221-1118, GSC 1240-657, GSC 1772-674, GSC 1794-393, GSC 3303-1583, RZ Aur, CI Aur, EU Aur, HW Aur, V410 Aur, V585 Aur, V591 Aur, V594 Aur, V596 Aur, V599 Aur, V603 Aur, UU Cam, WW Cam, AO Cam, AQ Cam, AS Cam, AV Cam, CP Cam, MP Cam, MT Cam, MX Cam, NO Cam, OQ Cam, PS Cam, QU Cam, V337 Cam, V362 Cam, V368 Cam, V369 Cam, V373 Cam, V375 Cam, V381 Cam, V395 Cam, V442 Cam, V465 Cam, V497 Cam, V502 Cam, V503 Cam, IRAS 03530+5306, TX Cnc, TY Cnc, WX Cnc, WY Cnc, AC Cnc, AD Cnc, AE Cnc, GW Cnc, LM Cnc, GSC 809-569, GSC 1395-877, GSC 1397-1030, NSV 4188, GSC 5375-1015, GSC 5391-1821, AV CMi, GSC 175-3820, WZ Cap, GSC 5793-556, GSC 5805-197, GSC 6363-550, AE Cas, AH Cas, AT Cas, AX Cas, BS Cas, BW Cas, BZ Cas,

DN Cas, DO Cas, EY Cas, GR Cas, HQ Cas, IR Cas, IT Cas, LU Cas, LX Cas, LY Cas, MN Cas, MY Cas, OX Cas, PV Cas, V345 Cas, V387 Cas, V419 Cas, V459 Cas, V471 Cas, V473 Cas, V541 Cas, V608 Cas, V775 Cas, V821 Cas, V1011 Cas, V1014 Cas, V1018 Cas, V1107 Cas, V1115 Cas, V1137 Cas, GSC 3671-99, GSC 4029-1087, USNO-A2.0 1500-01070260, GSC 2.3 N19M012679, SU Cep, WZ Cep, XX Cep, ZZ Cep, BE Cep, CM Cep, CO Cep, CW Cep, EF Cep, GS Cep, GW Cep, IM Cep, KP Cep, LL Cep, MT Cep, V698 Cep, V699 Cep, V734 Cep, V744 Cep, V796 Cep, V801 Cep, V804 Cep, GSC 3965-1172, GSC 3996-1098, GSC 4286-49, GSC 4477-706, GSC 4481-1535, GSC 4482-981, GSC 4482-1238, RW Cet, SS Cet, TT Cet, TV Cet, TX Cet, VV Cet, XY Cet, DY Cet, HM Cet, GSC 28-697, GSC 44-1052, GSC 44-1314, GSC 49-120, GSC 54-373, GSC 4684-99, GSC 4687-79, GSC 4689-252, GSC 4691-773, GSC 4694-581, GSC 4698-855, GSC 4708-841, GSC 5276-366, GSC 5278-346, GSC 5281-1730, GSC 5284-2130, NSV 388, VV Cyg, DK Cyg, LO Cyg, V387 Cyg, V519 Cyg, V628 Cyg, V664 Cyg, V679 Cyg, V704 Cyg, V706 Cyg, V836 Cyg, V1066 Cyg, V1074 Cyg, V1401 Cyg, V1414 Cyg, V1729 Cyg, V1815 Cyg, V1901 Cyg, V1905 Cyg, V2021 Cyg, GSC 2.3 N2IU062855, SV Equ, GSC 536-9, GSC 537-1462, GSC 540-68, GSC 1109-1267, RU Eri, TZ Eri, UX Eri, VV Eri, YY Eri, ZZ Eri, AM Eri, AS Eri, BC Eri, BL Eri, BV Eri, BZ Eri, CD Eri, KZ Eri, LW Eri, GSC 4700-802, GSC 4725-661, GSC 4732-1231, GSC 5294-1116, GSC 5303-939, GSC 5314-2102, GSC 5321-819, GSC 5323-652, GSC 5325-728, GSC 5330-664, GSC 5863-584, SX Gem, AC Gem, AZ Gem, CX Gem, EL Gem, EN Gem, IM Gem, LO Gem, V401 Gem, GSC 1328-1420, GSC 1336-717, GSC 1337-1137, GSC 1888-1148, RX Hya, DI Hya, V409 Hya, V412 Hya, V502 Hya, GSC 213-980, GSC 220-70, GSC 221-871, GSC 4867-982, GSC 4894-2310, GSC 5428-75, GSC 5441-60, GSC 5454-1746, GSC 5467-1483, GSC 6013-1086, GSC 6014-855, GSC 6027-134, RW Lac, VV Lac, VY Lac, ZZ Lac, CN Lac, CO Lac, ES Lac, IL Lac, IP Lac, LU Lac, LY Lac, MZ Lac, NS Lac, V339 Lac, V344 Lac, V364 Lac, GSC 3210-1456, GSC 3996-791, GSC 1429-560, GSC 5345-815, GSC 5916-1668, RY Lyn, DE Lyn, FO Lyn, RW Mon, VX Mon, CK Mon, DN Mon, GU Mon, V395 Mon, V396 Mon, V456 Mon, V714 Mon, V874 Mon, GSC 4807-2393, GSC 4824-708, GSC 5364-356, GSC 5382-452, GSC 5384-975, NSV 3180, FH Ori, GG Ori, GU Ori, OS Ori, V1027 Ori, V1353 Ori, V1633 Ori, V1637 Ori, V1638 Ori, V1848 Ori, V1865 Ori, V2790 Ori, GSC 85-1357, GSC 89-1424, GSC 93-668, GSC 103-738, GSC 103-894, GSC 111-1902, GSC 127-719, GSC 128-980, GSC 709-1047, GSC 1314-352, GSC 1315-1104, GSC 4753-984, GSC 4754-44, GSC 4766-69, GSC 4772-934, GSC 4780-344, GSC 4783-467, GSC 5337-337, GSC 5346-275, UX Peg, VW Peg, ZZ Peg, BB Peg, BX Peg, BY Peg, BZ Peg, CC Peg, CE Peg, CF Peg, CU Peg, DV Peg, EU Peg, GP Peg, KW Peg, MQ Peg, V407 Peg, ASAS 215503+2417.8, GSC 563-861, GSC 566-150, GSC 570-73, GSC 573-1241, GSC 1127-2016, GSC 1141-480, GSC 1166-399, GSC 1654-575, GSC 1670-251, GSC 1677-992, GSC 1686-1001, GSC 1694-992, GSC 1704-356, GSC 1709-614, GSC 1715-1370, GSC 1716-1457, GSC 1718-1664, GSC 2188-568, GSC 2189-1101, GSC 2203-1663, GSC 2211-2152, GSC 2225-1482, GSC 2226-2148, GSC 2244-1064, GSC 2740-1859, GSC 2766-775, ST Per, WY Per, XZ Per, BE Per, BR Per, BY Per, CH Per, DK Per, DZ Per, EQ Per, FQ Per, FW Per, HK Per, HS Per, HV Per, HW Per, II Per, IK Per, IM Per, IT Per, IU Per, KL Per, KN Per, KW Per, MS Per, PS Per, QT Per, QU Per, QV Per, QW Per, V366 Per, V432 Per, V434 Per, V449 Per, V450 Per, V457 Per, V462 Per, V680 Per, V723 Per, V737 Per, V871 Per, V873 Per, V877 Per, V884 Per, V887 Per, V947 Per, V951 Per, V964 Per, GSC 2344-92, GSC 2344-527, GSC 2361-2410, RV Psc, SU Psc, VZ Psc, AC Psc, CP Psc, DS Psc, EM Psc, ER Psc, GR Psc, GW Psc, HO Psc, GSC 24-466, GSC 575-429, GSC 610-198, GSC 611-249, GSC 611-829, GSC 619-1008, GSC 621-834, GSC 1194-613, GSC 1202-1038, GSC 1202-1193, GSC 1762-103, GSC 5243-973, GSC 5254-59, GSC 5255-370, V595 Pup, GSC 5998-968, NSV 4095, CK Sge, GSC 1621-2192, RZ Tau, TY Tau, AC Tau, AH Tau, BN Tau, CF Tau, CR Tau, CU Tau, EQ Tau, GR Tau, GW Tau, IV Tau, V1022 Tau, V1094 Tau, V1112 Tau, V1123 Tau, V1220 Tau, V1222 Tau, V1223 Tau, V1241 Tau, V1249 Tau, V1250 Tau, V1260 Tau, V1352 Tau, V1356 Tau, V1367 Tau, GSC 67-348, GSC 72-521, GSC 74-465, GSC 76-527, GSC 650-1226, GSC 658-185, GSC 659-262, GSC 661-580, GSC 663-23, GSC 664-423, GSC 681-692, GSC 1235-663, GSC 1256-188, GSC 1273-661, GSC 1274-564, GSC 1831-687, GSC 1841-879, GSC 4709-1195, V Tri, RW Tri, ST Tri, VW Tri, VZ Tri, AK Tri, OY UMa, BI Vul, DZ Vul, V384 Vul, GSC 1660-1173, GSC 2175-940, GSC 2177-709, GSC 2190-1358.

Faigler, S. et al. (5 authors) 2012, ApJ 746, 185. (1a*, 2aoi, 5cd) Seven noneclipsing binaries discovered in Kepler LCs confirmed with RV curves.

Gonzalez, M.E. et al. (12 authors) 2012, ApJ 743, 102. (1r) Observations of 4 binary ms pulsars.

Griffin, R.F. 2011, Observatory 131, 294. (2ao, 5d) 60 Psc, 27 Ari, EZ UMa, 4 Equ, bright SB1s.

Griffin, R.F. 2011, Observatory 131, 351. (2ao, 5d) HD 109803, HD 109954, HD 110195, HD 117078, multiple systems.

Griffin, R.F. 2012, Observatory 132, 16. (2ao, 5d) HR 4241, HR 7208, HR 8026, HR 8149, giant SB1s.

Hübscher, J., Lehmann, P.B., Walter, F. 2012, IBVS No. 6010. (5a) BAV-Results of observations - photoelectric minima of selected EBs: RT And, AB And, AS And, BD And, DO And, KP And, V422 And, OO Aql, V640 Aql, V694 Aql, V1045 Aql, V1353 Aql, V1430 Aql, V1542 Aql, AH Aur, DO Aur, EM Aur, GI Aur, V404 Aur, V426 Aur, SU Boo, TU Boo, TX Boo, TY Boo, TZ Boo, UW Boo, VW Boo, AC Boo, AD Boo, AQ Boo, AR Boo, BG Boo, CV Boo, DU Boo, ET Boo, EW Boo, FI Boo, FY Boo, GK Boo, GL Boo, GM Boo, GN Boo, GQ Boo, GR Boo, GV Boo, GX Boo, HR Boo, Y Cam, SV Cam, UU Cam, AK Cam, AL Cam, AN Cam, AO Cam, AT Cam, AY Cam, CD Cam, FN Cam, HW Cam, NO Cam, NQ Cam, NR Cam, NS Cam, RY Cnc, TU Cnc, TX Cnc, WW Cnc, WX Cnc, WY Cnc, YY Cnc, AC Cnc, AD Cnc, AE Cnc, AH Cnc, EH Cnc, ES Cnc, EV Cnc, FF Cnc, HN Cnc, HS Cnc, IN Cnc, IO Cnc, IQ Cnc, IT Cnc, IU Cnc, VZ CVn, YZ CVn, BI CVn, BO CVn, DF CVn, DH CVn, DI CVn, DL CVn, DR CVn, DX CVn, DY CVn, EE CVn, EF CVn, EH CVn, SX CMi, TX CMi, TY CMi, TZ CMi, UZ CMi, XZ CMi, BB CMi, BF CMi, TV Cas, TW Cas, AB Cas, AX Cas, BH Cas, EG Cas, EY 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Her, V1091 Her, V1092 Her, V1095 Her, V1096 Her, V1098 Her, V1101 Her, V1102 Her, V1103 Her, V1104 Her, V1105 Her, CU Hya, DF Hya, FG Hya, RW Lac, TW Lac, AG Lac, AU Lac, AW Lac, CN Lac, DG Lac, EK Lac, EM Lac, EP Lac, EQ Lac, ER Lac, EU Lac, EX Lac, FI Lac, FL Lac, HX Lac, IR Lac, MZ Lac, NR Lac, NS Lac, NW Lac, V344 Lac, V345 Lac, UU Leo, UZ Leo, VZ Leo, WZ Leo, AM Leo, BW Leo, EX Leo, FM Leo, GU Leo, VW LMi, RZ Lyn, SW Lyn, SX Lyn, UV Lyn, AH Lyn, DE Lyn, EH Lyn, AH Lyr, DF Lyr, DU Lyr, EW Lyr, FG Lyr, FH Lyr, GZ Lyr, HY Lyr, IP Lyr, LZ Lyr, NV Lyr, PY Lyr, V400 Lyr, V401 Lyr, V406 Lyr, V412 Lyr, V574 Lyr, V579 Lyr, V582 Lyr, V592 Lyr, V594 Lyr, V596 Lyr, β Lyr, RW Mon, UX Mon, AQ Mon, FS Mon, HP Mon, IZ Mon, V380 Mon, V453 Mon, V530 Mon, V864 Mon, V735 Oph, CQ Ori, FT Ori, FZ Ori, BY Peg, GP Peg, V375 Peg, V404 Peg, V427 Per, V449 Per, V450 Per, V482 Per, BR Sge, CW Sge, V384 Ser, TY Tau, WY Tau, EN Tau, EO Tau, EQ Tau, GW Tau, V781 Tau, W UMa, RW UMa, TW UMa, TX UMa, TY UMa, XY UMa, AA UMa, AF UMa, AW UMa, BH UMa, BQ UMa, BS UMa, DW UMa, IW UMa, LP UMa, MQ UMa, MS UMa, OQ UMa, RT UMi, RU UMi, VW UMi, VY UMi, AG Vir, AH Vir, AW Vir, AX Vir, AZ Vir, GR Vir, XZ Vul, AB Vul, AT Vul, AZ Vul, BU Vul, FQ Vul, FW Vul, GO Vul, GP Vul, HI Vul, HS Vul, KN Vul, NO Vul, GSC 00124-00551, GSC 00278-00814, GSC 00279-00822, GSC 00425-02297, GSC 00752-01971, GSC 00760-01355, GSC 01330-00239, GSC 01330-00287, GSC 01337-01137, GSC 01383-01023, GSC 01383-01601, GSC 01403-00178, GSC 01478-00244, GSC 01721-01591, GSC 01864-01065, GSC 01921-00251, GSC 01927-00862, GSC 02038-00293, GSC 02133-02623, GSC 02134-00821, GSC 02157-00014, GSC 02161-01573, GSC 02411-01103, GSC 02415-00286, GSC 02423-00517, GSC 02572-00373, GSC 02606-00217, GSC 02682-00817, GSC 03137-03322, GSC 03618-00307, GSC 03619-00768, GSC 03870-01172, GSC 04030-02020, GSC 04500-00730, GSC 04828-00217, GSC 04845-01474, USNO-A2 0975-04179063, USNO-A2 0975-04180434, USNO-A2 1200-02901360, USNO-A2 1200-02929233, USNO-A2 1200-02953024, USNO-A2 1200-02957976, USNO-A2 1275-00811770, USNO-A2 1350-17859563, USNO-A2 1425-13411870, USNO-B1 1113-0494337, USNO-B1 1416-0454010, USNO-B1 1505-0372164.

Ibanoğlu, C. et al. (5 authors) 2012, MNRAS 419, 1472. (2bc, 5bdgh, 8a) Carbon deficiencies in the primaries of the classical Algols: IM Aur, S Cnc, U Cep, GT Cep, U CrB, V548 Cyg, V1898 Cyg, TW Dra, RY Gem, δ Lib, TU Mon, AU Mon, DM Per, U Sge, HU Tau, TX UMa, Z Vul, RS Vul.

Kato, T. et al. (78 authors) 2012, PASJ 64, 21. (1ao) Survey of period variations of superhumps in SU UMa-type dwarf novae: FO And, V402 And, BG Ari, V496 Aur, TT Boo, GX Cas, HT Cas, V1504 Cyg, AW Gem, V844 Her, MM Hya, V406 Hya, V344 Lyr, V1195 Oph, V1212 Tau, SW UMa, CI UMa, DV UMa, 1RXS J0038, 2QZ J2224, ASAS J0918, ASAS J1025, MisV 1443, RX J1715, SDSS J0732, SDSS J0803, SDSS J0804, SDSS J0812, SDSS J0932, SDSS J1120, SDSS J1146, SDSS J1227, SDSS J1250, SDSS J1339, SDSS J1605, SDSS J2100, OT J0009, OT J0120, OT J0141, OT J0413, OT J0431, OT J0442, OT J0648, OT J0754, OT J102616, OT J1027, OT J1200, OT J1329, OT J1545, OY J2234, OT J2304.

Kiminki, H.A. et al. (5 authors) 2012, ApJ 747, 41. (2ou, 5de) Solutions of massive binaries in Cyg OB2 association: MT311, MT605, MT696, MT720, MT771 and Triple MT429.

Kiron, Y.R., Sriram, K., Vivekananda Rao, P. 2011, RAA 11, 1469. (1ao*, 5c) Photometric solutions of seven EW contact binaries in the old open cluster Berkeley 39.

Kotze, M.M., Charles, P.A. 2012, MNRAS 420, 1575. (1x, 5cegi) Characterizing the long-term variability of the x-ray binaries: V1343 Aql (SS433), V1405 Aql (X1916−053), V1408 Aql (X1957+115), V801 Ara (X1636−536), V821 Ara (GX 339-4), V662 Cas (X0114+650), V779 Cen (Cen X-3), UW CrB (MS 1603.6+2600), V1357 Cyg (Cyg X-1), V1341 Cyg (Cyg X-2), HZ Her (Her X-1), V818 Sco (Sco X-1), UY Vol (EXO 0748−676), 2MASS J01170514−7326360 (SMC X-1), 4U 0520−72 (LMC X-2), 1RXS J053246.1−662203 (LMC X-4), 1RXS J053855.6−640457 (LMC X-3), IGR J17098−3628, XTE J1716−389, 4U 1728−34 (GX 354-0), X1730−333, KS 1731−260, GRS 1747−312, X1820−303, X1907+097.

Lacy, C.H.S. 2012, IBVS No. 6014. (5a) Times of minima of EB: AP And, V361 Cas, V381 Cas,

V651 Cas, WW Cep, V1136 Cyg, BF Dra, V501 Her, RW Lac, AL Leo, V506 Oph, IM Per, NP Per, V482 Per, V514 Per, AQ Ser, V335 Ser, TY Tau, V1094 Tau, HY Vir, BP Vul, BT Vul.

Martignoni, M. 2011, IBVS No. 6006. (5a) CCD Times of minima of EB: BO Ari, GN Boo, NSV 3744, V380 Gem, GU Vul.

Miller-Jones, J.C.A. et al. (5 authors) 2011, ApJ 739, L18. (2dr) V518 Per (GRO J0422+32), KV UMa (XTE J1118+480), V1033 Sgr (GRO J1655−40), Swift J1753.5−0127.

Pandey, J.C., Singh, K.P. 2012, MNRAS 419, 1219. (1x, 5cg, 8ab) Analysis of seven flares detected from five RS CVn-type binaries: λ And, EI Eri, σ Gem, UZ Lib, V711 Tau.

Pilecki, B., Stepien, K. 2012, IBVS No. 6012. (5bd) LC modelling of short-period W UMa-type stars: ASAS 033959+0314.5, ASAS 050837+0512.3, ASAS 050852+0249.3, ASAS 052452-2809.2, ASAS 061531+1935.4, ASAS 085710+1856.8, ASAS 095048-6723.3, ASAS 120036-3915.6, ASAS 143751-3850.8, ASAS 144243-7418.7, ASAS 155227-5500.6, ASAS 155906-6317.8, ASAS 174655 +0249.9, ASAS 195350-5003.5, ASAS 212915+1604.9.

Pirkhedri, A. et al. (4 authors) 2012, AN 333, 237. (2ao*, 5de, 7d) New artificial neural network (ANN) method used to derive orbital elements of four SB2 systems ER Vul, HD 27149, HD 143511, HD 152218.

Ramsay, G. et al. (7 authors) 2012, MNRAS 419, 2836. (1ao, 5cgi) Long-term optical behaviour of the helium-accreting AM CVn binaries: CR Boo, HM Cnc, AM CVn, V803 Cen, ES Cet, GP Com, KL Dra, CP Eri, V396 Hya, V406 Hya, HP Lib, V407 Vul, SDSS J012940.05+384210.4, PTF1 J0719+4858, SDSS J080449.49+161624.8, SDSS J090221.35+381941.9, SDSS J092638.71+362402.4, SDSS J120841.96+355025.2, SDSS J124058.03−015919.2, SDSS J141118.31+481257.6, 2QZ J142701.6 −012310, SDSS J152509.57+360054.5, SDSS J155252.48+320150.9, SDSS J164228.06+193410.0, SDSS J172102.48+273301.2, SDSS J190817.07+394036.4, SDSS J204739.40+000840.1.

Rauw, G., Sana, H., Nazé, Y. 2011, A&A 535, A40. (1ao*, 2ado, 5cde) A spectroscopic investigation of early-type stars in the young open cluster Westerlund 2: V712 Car (WR 20a), EBs MSP 44, MSP 96, MSP 223, new binary candidate MSP 167.

Rebassa-Mansergas, A. et al. (7 authors) 2012, MNRAS 419, 806. (1ao*, 2abc, 5deg, 6ab) Identification of 646 new spectroscopic SDSS WD–main-sequence binaries.

Shin, I.-G. et al. (158 authors) 2012, ApJ 746, 127. (1ao,6) Microlensing observations of 8 binary lensing pairing events, possible brown dwarf discovered.

Skopal, A. et al. (7 authors) 2012, AN 333, 242. (1abo, 5cj) Results of long-term multicolour photometric monitoring program for 11 symbiotic binaries: Z And, EG And, TX CVn, BF Cyg, CH Cyg, CI Cyg, V1329 Cyg, AG Dra, Draco C1, AG Peg, AX Per.

Stateva, I., Iliev, I.Kh., Budaj, J. 2012, MNRAS 420, 1207. (2bc, 5degh) Abundance analysis of the Am binaries: HD116657, HD138213, HD155375, HD159560, HD196544 and HD204188.

Sytov, A.Yu. et al. (4 authors) 2011, ARep 55, 793. (8ad) Structure of the circumbinary envelopes of young binary stars with elliptical orbits: GW Ori, V4046 Sgr, UZ Tau E, DQ Tau, 2MASS J16311574−2434022 (ROXs 42C).

Zasche, P. 2012, AcA 62, 97 (5abcf) On the apsidal motion of 13 EBs. AR CMa, OZ Hya, V498 Mon,

V521 Mon, V684 Mon, V730 Mon, GV Nor, NS Nor, TZ Pyx, V385 Sco, V629 Sco, V881 Sco, V1082 Sco.

Zasche, P. et al. (4 authors) 2011, IBVS No. 6007. (5a) Collection of minima: UU And, WZ And, V372 And, V392 And, SU Aqr, CZ Aqr, DD Aqr, σ Aql, V803 Aql, V887 Aql, V1470 Aql, TX Ari, AL Ari, CL Aur, FO Aur, V417 Aur, V560 Aur, AC Boo, DV Boo, EL Boo, EM Boo, ET Boo, GU Boo, SZ Cam, AT Cam, CV Cam, FZ CMa, BF CMi, RS CVn, DE CVn, TX Cas, CC Cas, CR Cas, DN Cas, V389 Cas, V649 Cas, V772 Cas, V785 Cas, V1018 Cas, AH Cep, CO Cep, CQ Cep, EM Cep, GT Cep, LP Cep, V338 Cep, V383 Cep, TV Cet, WY Cet, KK Com, KR Com, VV Crt, SW Cyg, GV Cyg, V382 Cyg, V442 Cyg, V1187 Cyg, V1191 Cyg, V1193 Cyg, V2154 Cyg, TY Del, DM Del, MR Del, RX Dra, WW Dra, WX Dra, BE Dra, BV Dra, CM Dra, W Equ, QT Gem, GU Her, V338 Her, V501 Her, V624 Her, V681 Her, V822 Her, V994 Her, KY Hya, RT Lac, AR Lac, AU Lac, ES Lac, V398 Lac, V401 Lac, V402 Lac, TX Leo, FK Leo, FM Leo, FS Leo, T LMi, VW LMi, IV Lib, DI Lyn, RV Lyr, V412 Lyr, AO Mon, IM Mon, V450 Mon, V515 Mon, KO Nor, V451 Oph, V760 Oph, V2373 Oph, V2377 Oph, Z Ori, VV Ori, EF Ori, V643 Ori, V1031 Ori, V1804 Ori, V1834 Ori,δ Ori, AW Peg, KP Peg, KW Peg, PU Peg, V421 Peg, RW Per, AG Per, IQ Per, IZ Per, V511 Per, V572 Per, V578 Per, V592 Per, β Per, UV Psc, EU Psc, EY Psc, UZ Sge, RS Sgr, XY Sgr, V505 Sgr, BI Ser, EQ Tau, λ Tau, V1121 Tau, V1268 Tau, RS Tri, AC UMa, HV UMa, LP UMa, AZ Vir, DL Vir, HT Vir, NY Vir, 2MASS J19071662+4639532, 2MASS J22435517+2936475, BD-22 5866, GSC 00143-01246, GSC 01588-00632, GSC 02712-01201, GSC 04041-00673, GSC 04232-02830, GSC 04428-01574, GSC 04596-01254, HD 252984, LP 133-374, NOMAD1 1322-0193464, NSVS 01286630, NSVS 2502726, NSVS 6507557, NSVS 7446320, NSVS 10441882, NSVS 11868841.

Proceedings of Conferences, Symposia, and Monographs

Understanding Variable Stars, *J.R. Percy*, 2011, Cambridge University Press (First paperback edition).

IAU Commission 42

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