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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	*Burmeister, M., Leedjärv, L.* 2007, A&A 461, L5. (2ao, 2c) Bipolar jets. *Kővári, Z. et al.* (7 authors) 2007, A&A 463, 1071. (2co, 5g) Doppler imaging.
EG And	*Crowley, C., Espey, B.* 2007, Baltic Astronomy 16, 10. (8bu) An ultraviolet eclipse mapping.
VY Aqr	2006, IAU Circ. 8760 First outburst in 12 years.
V794 Aql	*Gordon, P. et al.* (4 authors) 2007, ApJ 656, 1092. (1u*u, 5chi) Modelling a WD with AD.
V1333 Aql (Aql X-1)	*Cornelisse, R. et al.* (7 authors) 2007, MNRAS 375, 1463 (2abc, 5degi) Detection of donor star.
V1343 Aql (SS 433)	*Brinkmann, W. et al.* (5 authors) 2007, A&A 463, 611. (1x, 5i) Observations of the eastern jet. *Filippova, E. et al.* (5 authors) 2006, A&A 460, 125. (1x) X-ray eclipses detected. *Lopez. L.A. et al.* (5 authors) 2006, ApJ 650, 338. (2cx, 5e) Conclude compact object is BH and that accretion is wind driven.
V1413 Aql (AS 338)	*Siviero, A. et al.* (6 authors) 2007, Baltic Astronomy 16, 55. (1ao) Eclipse mapping and absolute dimensions of the outbursting WD.
V1487 Aql (GRS 1915+105)	*Choudhury, A.K., Chatterjee, A.K., Nandi, A.* 2007, Bull. Astron. Soc. India 35, 41. (1x) Different types of class transitions LCs. *McClintock, J.E. et al.* (6 authors) 2006, ApJ 652, 518. (2cx) Conclude that compact object is Kerr BH. *Middleton, M. et al.* (4 authors) 2006, MNRAS 373, 1004 (1x, 5bcgei) Disc-dominated states and high-frequency QPOs. *Miller-Jones, J.C.A. et al.* (6 authors) 2007, MNRAS 375, 1087. (1rx*, 4c, 5cgj) Evidence for deceleration in the radio jets. *Neil, E.T., Bailyn, C.D., Cobb, B.E.* 2007, ApJ 657, 409. (2i) IR orbital and superhump signatures.
V1663 Aql (Nova 2005)	*Poggiani, R.* 2006, Astron. Nachr. 327, 895. (1o, 2bco)
V801 Ara (4U 1636−536)	*Casares, J. et al.* (7 authors) 2006, MNRAS 373, 1235 (2ac, 5bdegi) Detection of donor star, and system parameters. *Fiocchi, M. et al.* (4 authors) 2006, ApJ 651, 641. (2cgx) Jet decoupling.
V821 Ara (GX 339-4)	*Joinet, A. et al.* (7 authors) 2007, ApJ 657, 400. (1x) Observations of microquasar in low/hard state. *Miller, J.M. et al.* (8 authors) 2006, ApJ 653, 525. (2bcx) Observations suggest thin AD fueling corona.
TT Ari	*Hutchings, J.B., Cowley, A.P.* 2007, AJ 133, 1204. (2du, 5ij) FUSE high-state spectra indicate hot disk wind.
ϵ Aur	*Schanne, L.* 2007, IBVS 5747. (5g) Variability of Hα line outside eclipse.
AR Aur	*Hubrig, S. et al.* (7 authors) 2006, MNRAS 371, 1953. (2c, 5h) Eclipsing HgMn star with inhomogeneous surface distribution of chemical elements.
κ^2 Boo (ADS 9173)	*Kiyaeva, O.V.* 2006, LeAZh 32, 928 (1b,5b) Astrometric study consistent with spectroscopic orbit.
Z Cam	*Shara, M. M. et al.* (16 authors) 2007, Nature 446, 159. (1au, 2bo, 5i) Ancient nova shell around dwarf nova.
HM Cnc	*Barros, S.C.C. et al.* (9 authors) 2007, MNRAS 374, 1334. (1aox*,

(RX J0806.3+1527) 5abcegi, 8a) ULTRACAM photometry.
Dall'Osso, S., Israel, G.L., Stella, L. 2007, A&A 464, 417. (1x*, 8c) Theoretical study.
Deloye, C.J., Taam, R.E. 2006, ApJ 649, L99. (8c) Conclude that gravity waves shorten period.

R CMa *Mirtorabi, M.T., Riazi, N.* 2006, Ap&SS 306, 159. (1ao, 2ao*, 5e)

NV CMa *Kaluzny, J. et al.* (4 authors) 2006, Acta Astronomica 56, 237. (1a, 2a, 5bcd) EB in open cluster NGC 2243.

AM CVn *Roelofs, G.H.A. et al.* (5 authors) 2006, MNRAS 371, 1231. (2aco, 5i) Evolutionary history, superhump behaviour and eccentric AD discussed for this 17-min CB.

η Car *Martin, J.C., Davidson, K., Koppelman, M.D.* 2006, AJ 132, 2717. (1bo*) HST archive shows steady brightening.

DW Car *Southworth, J., Clausen, J.V.* 2007, A&A 461, 1077. (1ao, 2a, 5e) Member of Collinder 228.

OY Car *Greenhill, J.G. et al.* (8 authors) 2006, MNRAS 372, 1129. (1ao, 5ab) Orbital period of dwarf nova decreasing.

γ Cas *Goraya, P.S.* 2007, Bull. Astron. Soc. India 35, 23. (2do) Variable spectral energy distribution.

RZ Cas *Soydugan, E. et al.* (6 authors) 2006, Astron. Nachr. 327, 905. (1bo, 2ao, 5bcdejk) Analysis of Algol system with pulsating primary.

AB Cas *Abedi, A., Riazi, N.* 2007, Ap&SS 307, 409. (1ao, 2bc) δ Sct primary.

BM Cas *Kalv, P. et al.* (4 authors) 2005, Odessa Astron. Publ. 18, 61. (1b, 5a) On the nature of asymmetry of the LCs; long-period EB.

IV Cas *Wolf, M. et al.* (6 authors) 2006, IBVS 5735. (1a, 5ab) Probable photometric triple star.

V459 Cas *Dariush, A., Mosleh, M., Dariush, D.* 2006, Ap&SS 305, 85. (1ao, 5bf) Apsidal motion study.

V615 Cas
(LSI +61 303) *Bednarek, W.* 2006, MNRAS 371, 1737. (8bd) Model for γ-ray production in jets of massive binary.
Bosch-Ramon, V. et al. (4 authors) 2006, A&A 459, L25. (5i) Radio to TeV orbital variability of HMXB.
Chemyakova, M., Neronov, A., Walter, R. 2006, MNRAS 372, 1585. (1x) Variability of x-ray spectrum in high and low states of NS+Be system.
Dubus, G. 2006, A&A 456, 801. (8bd) HMXB.
Grundstrom, E.D. et al. (9 authors) 2007, ApJ 656, 437. (1x*, 2ox*)
Gupta, S., Bottcher, M. 2006, ApJ 650, L123. (2cg*) Time-dependent leptonic model.
Sidoli, L. et al. (6 authors) 2006, A&A 459, 901. (2dx)

V635 Cas
(4U 0115+63) *Reig, P. et al.* (5 authors) 2007, A&A 462, 1081. (1ao, 2ao, 5i)

V662 Cas
(LS I +65 010)
(2S 0114+650) *Grundstrom, E.D. et al.* (9 authors) 2007, ApJ 656, 431. (1rx, 2co) Three-year spectroscopic monitoring of extra-massive binary.
Koenigsberger, G. et al. (7 authors) 2006, A&A 458, 513. B supergiant may drive x-ray oscillations in HMXB.

V744 Cas *Bulut, I. et al.* (6 authors) 2006, Astron. Nachr. 327, 912. (1bo, 5acf) Eccentric detached EB with apsidal motion.

ψ Cen *Bruntt, H. et al.* (6 authors) 2006, A&A 456, 651. (1ao, 5c) New EB.

V822 Cen *D'Avanzo, P. et al.* (5 authors) 2006, A&A 460, 257. (1x*, 2a) search for

(Cen X-4)	companion irradiation.
V1065 Cen	2007, IAU Circ. 8800 (1acd, 2o, 4a, 6b) New classical nova. 2007, IAU Circ. 8801 (1o) Prediscovery images.
VW Cep	*Huenemoerder, D.P., Testa, P., Buzasi, B.L.* 2006, ApJ 650, 1119. (2cx) Compact corona on the polar regions of primary star.
WX Cet	*Sterken, C. et al.* (5 authors) 2007, A&A 463, 1053. (1a, 1c*d*, 5i) Analysis of all outbursts.
FL Cet (SDSS J015543.40+002807.2)	*O'Donoghue, D. et al.* (51 authors) 2006, MNRAS 372, 151. (1ao) High-speed (112 ms) SALTICAM photometry reveals accreting polar caps in eclipsing polar.
BR Cir (Cir X-1)	*Jonker, P.G., Nelemans, G., Bassa, C.G.* 2007, MNRAS 374, 999 (1ai, 2abc, 5bcdegi) Detection of the RV curve of a supergiant companion. *Tudose, V. et al.* (6 authors) 2006, MNRAS 372, 417. (1x) X-ray binary with jet-powered radio lobe.
U CrB	*Agafonov, M., Richards, M., Sharova, O.* 2006, ApJ 652, 1547. (2co) Three-dimensional Doppler tomogram of Hα emission.
BP Cru (WRAY 15-977) (GX 301-2)	*Kaper, L., van der Meer, A., Najarro, F.* 2006, A&A 457, 595. (2ac, 5dg) *Kaplan, D.L., Moon, D.-S., Reach, W.T.* 2006, ApJ 649, L107. (2ci*) Enormous x-ray absorption due to warm circumstellar dust.
CH Cyg	*Leedjärv, L., Burmeister, M.* 2007, Baltic Astronomy, 16, 34. (2do) On the peculiarities as a consequence of extremely long orbital period. *Schmidt, M.R., Mikołajewska, J., Začs, L., Hinkle, K.H.* 2007, Baltic Astronomy 16, 14. (2do) Abundance analysis of the cool component. *Wheatley, P.J., Kallman, T.R.* 2006, MNRAS 372, 1602. (1x*) Soft x-rays probably arise from scattering of hard x-rays around WD component of symbiotic system.
CI Cyg	*Mikołajewska, J., Friedjung, M., Quiroga, C.* 2006, A&A 460, 191. (1u*, 2ac, 5i)
EY Cyg	*Echevarría, J. et al.* (4 authors) 2007, A&A 462, 1069. (1ao, 2ao, 5be)
V407 Cyg	*Shugarov, S.Yu. et al.* (5 authors) 2007, Baltic Astronomy, 16, 23. (1o) A member of a new subclass of symbiotic Stars.
V1073 Cyg	*Jafari, M., Khalesseh, B., Pazhouhesh, R.* 2006, Ap&SS 306, 29. (1ao, 2ao*, 5e)
V1357 Cyg (Cyg X-1)	*Axelsson, M., Borgonovo, L., Larsson, S.* 2006, A&A 452, 975. (1x*, 5i) *Bednarek, W., Giovannelli, F.* 2007, A&A 464, 437. (5i) Observability of γ-ray emission features. *Dong, A.-J., Wang, J.-C., Xue, L.* 2007, Chinese Astron. Ap, 31, 21. (1x, 7d) A study of the periodicity of LC.
V1687 Cyg (WR 140)	*Pittard, J.M., Dougherty, S.M.* 2006, MNRAS 372, 801. (1rxg, 5ij) Hydrodynamical models for wind collision zone.
V2214 Cyg (KPD 1930+2752)	*Geier, S. et al.* (6 authors) 2007, A&A 464, 299. (1ao*, 2ao, 5eg) Supernova-Ia progenitor candidate.
V2362 Cyg	2006, IAU Circ. 8785 (1di, 2di) No evidence of emission from dust. 2006, IAU Circ. 8788 (2ci, 5g) Changes in emission-line spectrum.
AB Dor	*Janson, M. et al.* (8 authors) 2007, A&A 462, 615. (1a) Binary nature of AB Doradus B.
Z Dra	*Terrell, D.* 2006, IBVS 5742. (1a, 5c) BVRcIc photometry.
AG Dra	*Viotti, R.F. et al.* (6 authors) 2007, Baltic Astronomy, 16, 20. (1ox) The behaviour of outbursts during the last 25 years.

	Young, P.R. et al. (4 authors) 2006, ApJ 650, 1091. (2bcu) High-ionization forbidden lines in UV spectrum.
U Gem	*Güver, T. et al.* (4 authors) 2006, MNRAS 372, 450. (1x) Quiescence and outburst x-ray spectra compared. *Smak, J.I.* 2006, Acta Astronomica 56, 365. (1a, 5b) Modulation of amplitude in 1985 superhump.
GH Gem	*Munari, U. et al.* (13 authors) 2007, Baltic Astronomy, 16, 43. (12o) A tight spectroscopic and photometric monitoring.
V367 Gem	*Hintz, E.G., Brown, P.J.* 2007, PASP 119, 274. (1ao, 5d) Revised period.
ϕ Her	*Zavala, R.T. et al.* (8 authors) 2007, ApJ 655, 1046. (4c) NPOI orbital solution.
TT Her	*Selam, S.O., Albayrak, B.* 2007, Astron. Nachr 328, 154. (1bo, 5ab) O-C analysis suggests presence of third body.
YY Her	*Formiggini, L., Leibowitz, E.M.* 2006, MNRAS 372, 1325. (1a*b*c*) Analysis of historical LC of symbiotic system suggests solar-type dynamo cycle of giant component.
HS Her	*Khaliullin, Kh.F., Khaliullina, A.I.* 2006, AZh 83, 911 (1b, 5f) Apsidal motion and the third body problem.
HZ Her (Her X-1)	*Klochkov, D.K. et al.* (6 authors) 2007, LeAZh 33, 893 (1ax, 8b) Observational manifestations of change with phase in tilt of AD to orbital plane.
V1108 Her (Var Her 04)	*Ciardi, D.R. et al.* (5 authors) 2006, AJ 132, 1989. (1i, 5j) Possible detection of dust near dwarf nova in superoutburst despite bright foreground star.
TT Hya	*Miller, B. et al.* (5 authors) 2007, ApJ 656, 1075. (1du*, 2a*, 5bcdhi, 8b) Modelling Algol disks.
V396 Hya	*Ramsay, G. et al.* (6 authors) 2006, A&A 457, 623. (2dx, 5i) AM CVn binary.
VW Hyi	*Merritt, J., Night, C., Sion, E.M.* 2007, PASP 119, 251. (2du, 5i) HST STIS spectra during superoutburst.
AR Lac	*Koch, R.H.* 2007, Observatory 127, 22. (3ao, 5g) Polarization from clouds in K-component atmosphere.
ES Lac	*Kozyreva, V.S., Khaliullin, Kh.F.* 2007, AZh 84, 278. (1b, 5f) Photometric elements and apsidal motion.
AP Leo	*Qian, S.-B. et al.* (6 authors) 2007, AJ 133, 357. (1aoi, 5abc)
DG Leo	*Tamazian, V.S.* 2006, AJ 132, 2156. (4a, 5e) New orbit for wide pair in triple system.
WX LMi	*Vogel, J., Schwope, A.D., Gänsicke, B.T.* 2007, A&A 464, 647. (1aox, 2a, 5i) Magnetic post-common envelope binary.
β Lyr	*Ak, H. et al.* (12 authors) 2007, A&A 463, 233. (1ao, 2ao, 5i)
TU Men	*Smak, J.I.* 2006, Acta Astronomica 56, 277. (2a, 5di) Mass ratio of dwarf nova.
V616 Mon	*Harrison, T.E. et al.* (4 authors) 2007, AJ 133, 162. (2di, 5hij) Secondary star abundances indicate CNO-cycle processing.
V694 Mon (MWC 560)	*Gromadzki, M. et al.* (4 authors) 2007, A&A 463, 703. (1ao, 5c) Semiregular variable cool component.
V838 Mon	*Afşar, M., Bond, H.E.* 2007, AJ 133, 387. (2d, 5gj) Location in young cluster constrains nature of object.
GR Mus	*Iaria, R. et al.* (5 authors) 2007, A&A 464, 291. (1x, 5i) No variability

(XB 1254−690)	detected.
QV Nor (4U 1538−52)	*Mukherjee, U. et al.* (5 authors) 2006, J. Ap. & Astron. 27, 411. (2x) Orbital evolution and orbital phase resolved spectroscopy.
QX Nor (4U 1608−52)	*Chen, X., Zhang, S.N., Ding, G.Q.* 2006, ApJ 650, 299. (2cx*) Measured NS surface magnetic field.
V381 Nor (XTE J1550−564)	*Dubus, G., Chaty, S.* 2006, A&A 458, 591. (3bi) LMXB.
RS Oph	2006, IAU Circ. 8753 (2cx, 5g) Prominent emission lines. 2006, IAU Circ. 8761 (1ox, 5g) Outburst of recurrent nova. *Bode, M.F. et al.* (19 authors) 2006, ApJ 652, 629. (2cx) Modelling of data from 2006 outburst confirms model from 1985 outburst. *Chesneau, O. et al.* (18 authors) 2007, A&A 464, 119. (4c, 5i) Spectrally dispersed interferometry. *Dipankar, R.D., Banerjee, P.K., Ashok, N.M.* 2006, ApJ 653, L141. (2i) Near-IR shock wave from 2006 outburst. *Kato, M.* 2007, Baltic Astronomy 16, 17. (1co, 5i) An interpretation of the mid-plateau phase of an outburst. *Munari, U. et al.* (11 authors) 2007, Baltic Astronomy, 16, 46. (1o, 2o) Results of intensive photometric and spectroscopic monitoring of the 2006 outburst. *Zajczyk, A. et al.* (5 authors) 2007, Baltic Astronomy, 16, 62. (2ado) High-resolution spectroscopy of during a quiescent phase. *Zamanov, R. et al.* (4 authors) 2006, IBVS 5733. (1a) Photometry after the 2006 outburst.
θ^1 Ori E	*Herbig, G.H., Griffin, R.F.* 2006, AJ 132, 1763. (2ao, 5d) Pre-main-sequence SB2.
VV Ori	*Terrell, D., Munari, U., Siviero, A.* 2007, MNRAS 374, 530. (1ao, 2abc, 5abcdeg) Physical parameters and search for third body.
V1309 Ori	*Reinsch, K., Kim, Y., Beuermann, K.* 2006, A&A 457, 1043. (1ai)
V1637 Ori (NSV 1754)	*Klabukova, A.U.* 2005, Odessa Astron. Publ. 18, 65 (1c, 5a) New EB in Orion.
CU Peg	*Panko, E., Flin, P., Pikhun, A.* 2006, Ap&SS 305, 385. (1abco, 5b,5j)
IZ Per	*Hilditch, R.W., Hill, G., Lister, T.A.* 2007, Observatory 127, 33. (1ao, 2ado, 5cde) Hipparcos and ground-based photometry.
V471 Per	*Siviero, A. et al.* (9 authors) 2007, Baltic Astronomy, 16, 52. (1a, 2do) A photoionized modelling of the circumstellar nebula.
V518 Per (GRO J0422+32)	*Reynolds, M.T., Callanan, P.J., Filippenko, A.V.* 2007, MNRAS 374, 657 (1ai, 2bci , 5cdegi) Photometry and spectroscopy in the quiescent state.
16 Psc	*Thompson, B., Yeelin, T.* 2006, PASP 118, 1628. (1b, 4b) SB resolved in occultation by asteroid.
SZ Psc	*Eaton, J.A., Henry, G.W.* 2007, PASP 119, 259. (1bo, 2adou, 5cdg) Distribution of activity on RS CVn-type star.
DF Pup	*Manimanis, V.N., Niarchos, P.G.* 2006, IBVS 5734. (1a) First complete BVRI LC.
T Pyx	*Gilmozzi, R., Selvelli, P.* 2007, A&A 461, 593. (1u*, 2c, 5g) Long term spectral study.
WZ Sge	*Matthews, O.M. et al.* (4 authors) 2007, MNRAS 375, 105. (5gi, 8ab) Magnetically moderated outbursts.

QX Sge (PSR B1957+20)	*Huang, H.H., Becker, W.* 2007, A&A 463, L5. (1x, 2x, 5i)
V4046 Sgr	*Günther, H. M. et al.* (5 authors) 2006, A&A 459, L29. (2dx, 5gi) T Tauri system.
V4580 Sgr (SAX J1808.4−3658)	*Bhattacharyya, S., Strohmayer, T.E.* 2007, ApJ 656, 414. (1x, 2x) Unusual precursor burst.
V5114 Sgr (Nova 2004)	*Ederoclite, A. et al.* (18 authors) 2006, A&A 459, 875. (2di, 5j) Early spectral evolution.
V5511 Sgr (XTE J1814−338)	*Papito, A. et al.* (6 authors) 2007, MNRAS 375, 971. (1x, 5abcegi, 8a) Timing analysis and orbital solution. *Watts, A.L., Strohmayer, T.E.* 2006, MNRAS 373, 769. (1bx, 5cgi) Energy dependence of burst oscillations.
CL Sco	*Fekel, F.C. et al.* (5 authors) 2007, AJ 133, 17. (2ai, 5d) Symbiotic star.
V818 Sco (Sco X-1)	*DiSalvo, T. et al.* (15 authors) 2006, ApJ 649, L91. (2cgx) Hard x-ray emission dominated by power law of index 3.
V926 Sco (4U 1735−444)	*Casares, J. et al.* (7 authors) 2006, MNRAS 373, 1235 (2ac, 5bdegi) Detection of donor star, and system parameters.
V1033 Sco (GRO J1655−40)	*Díaz Trigo, M. et al.* (5 authors) 2007, A&A 462, 657. (1x,2cx) spectroscopy in high-soft state. *Dubus, G., Chaty, S.* 2006, A&A 458, 591. (3bi) LMXB. *Sala, G. et al.* (6 authors) 2007, A&A 461, 1049. (1x, 2cx) Spectral study during outburst.
V1280 Sco	2007, IAU Circ. 8803 (1ad, 2c, 4a, 6b) New classical nova. 2007, IAU Circ. 8807 (1d, 2co) Brightening of nova. 2007, IAU Circ. 8809 (1d, 2ci) Absorption lines and discontinuities. 2007, IAU Circ. 8812 (1a, 2o) P-Cyg H alfa profile.
V1281 Sco	2007, IAU Circ. 8810 (1ac, 4a) Possible new nova. 2007, IAU Circ. 8812 (2co, 5g) Indeed a classical nova.
FR Sct	*Pigulski, A., Michalska, G.* 2006, IBVS 5757. (1ab, 2b) Triple VV Cepheitype system.
V479 Sct (LS 5039)	*Aharonian, F. et al.* (114 authors) 2006, A&A 460, 743. (1g, 1x, 5b) Spectral and timing analysis. *Dubus, G.* 2006, A&A 456, 801. (8bd) HMXB.
MY Ser (HD 167971)	*Blomme, R. et al.* (5 authors) 2007, A&A 464, 701. (1r) Search for binary contribution in radio data.
RR Tel	*Jurkic, T., Kotnik-Karuza, D.* 2007, Baltic Astronomy, 16, 76. (2io) A model of the inner dust region. *Selvelli, P., Danziger, J., Bonifacio, P.* 2007, A&A 464, 715. (2cou, 5i) Study of fluorescence lines.
TT Tri	*Warren, S.R., Shafter, A.W., Reed, J.K.* 2006, PASP 118, 1373. (1aoi, 5ci) Modelling structure of AD.
DZ Tuc (AX J0051−733)	*Liu, Q.Z. et al.* (6 authors) 2006, Ap&SS 305, 133. (1x*,5i, 8a) Pulsar component born as magnetar.
UX UMa	*Kjurkchieva, D. et al.* (4 authors) 2006, Ap&SS 306, 217. (1ao, 2co, 5i)
BC UMa	*Maehara, H., Hachisu, I., Nakajima, K.* 2007, PASJ 59, 227. (1ao, 5i) Numerical simulation of early superhumps in a superoutburst.
KV UMa (XTE J1118+480)	*Hynes, R.I. et al.* (10 authors) 2006, ApJ 651, 401. (1aio, 2cx) Optical and x-ray variations well coordinated - supports jet-dominated models.

RW UMi — *Tamburini, F. et al.* (4 authors) 2007, A&A 464, 697. (1ao) Long term QPO study.

γ^2 Vel — *Millour, F. et al.* (102 authors) 2007, A&A 464, 107. (2ao*,4c) Direct constraint on distance.

GP Vel (Vel X-1) — *Watanabe, S. et al.* (9 authors) 2006, ApJ 651, 421. (2cx) Spectral study of photoionized wind.

AZ Vir — *Liu, Q., Yang, Y.* 2007, Astron. Nachr. 328, 159. (1ao, 5abc) W-type W UMa contact system with O'Connell effect.

SY Vol — *Pretorius, M.L., Knigge, C.* 2007, A&A 461, 1103. (1ao, 2ao)

V407 Vul (RX J1914.4+2456) — *Barros, S.C.C. et al.* (9 authors) 2007, MNRAS 374, 1334. (1aox*, 5abcegi, 8a) ULTRACAM photometry.
Dall'Osso, S., Israel, G.L., Stella, L. 2007, A&A 464, 417. (1x*, 8c) Theoretical study.
Deloye, C.J., Taam, R.E. 2006, ApJ 649, L99. (8c) Conclude that gravity waves shorten period.
Steeghs, D. et al. (8 authors) 2006, ApJ 649, 382. (2co) Optical spectroscopy of G9V optical counterpart of compact binary.

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

HR 1129 — *Griffin, R.E.M., Griffin, R.F., Stickland, D.J.* 2006, MNRAS 373, 1351. (2a, 5bdceg, 8c) Physical parameters and evolution.

HR 1613 — *Fekel, F.C. et al.* (5 authors) 2006, AJ 132, 1490. (2ao, 5d) Slowly rotating A-type primary with solar abundances.

HD 5890 — *Koenigsberger, G. et al.* (4 authors) 2006, AJ 132, 1527. (2du, 5gj) Structure of stellar wind from FUSE spectra of WR binary.

HD 17310 — *Griffin, R.F., Boffin, H.M.J.* 2006, Observatory 126, 401. (2a, 5d) γ Dor star.

HD 23642 — *Groenewegen, M.A.T. et al.* (4 authors) 2007, A&A 463, 579. (1ao, 2ao, 5e) Pleiades EB.

HD 43587 — *Catala, C., Forveille, T., Lai, O.* 2006, AJ 132, 2318. (4bi, 5be) Adaptive-optics resolution of long-period SB.

HD 70645 — *Griffin, R.F., Boffin, H.M.J.* 2006, Observatory 126, 401. (2a, 5d) γ Dor star.

HD 71636 — *Henry, G.W. et al.* (4 authors) 2006, AJ 132, 2489. (1bo, 2a, 5bcde, 6b) New eclipsing SB2.

HD 80731 — *Griffin, R.F., Boffin, H.M.J.* 2006, Observatory 126, 401. (2a, 5d) γ Dor star.

HD 93162 (WR 25) — *Gamen, R. et al.* (9 authors) 2006, A&A 460, 777. (2a*, 6b)

HD 131861 — *Fekel, F.C. et al.* (4 authors) 2006, AJ 132, 1910. (1b, 2ao, 4a*, 5cde) Eclipsing SB2 with third body in 4.5-year orbit.

HD 143418 — *Božić, H. et al.* (10 authors) 2007, A&A 464, 263. (1ao, 2ao, 5e) Unusual light variability.

HD 167971 — (see MY Ser)

HD 172401 — *Griffin, R.F.* 2007, Observatory 127, 45. (2a, 5d) Long-period eccentric SB.

BD +53°2790	*Corbet, R.H.D., Markwardt, C.B., Tueller, J.* 2007, ApJ 655, 458.
(4U 2206+54)	(1u, 5b) Doubling of period.
BD +42°2782	*Lu, W., Hrivnak, B.J., Rush, B.W.* 2007, AJ 133, 255. (1aoi, 2ao, 5abcde) Recently discovered W UMa system.
BD +30°2129 A	*Bartkevičius, A., Sperauskas, J.* 2006, Baltic Astron. 15, 539. (2ao, 5d) Spectroscopic orbit of a component of a high-proper-motion visual binary.
BD −00°3357	*Dimitrov, W. et al.* (4 authors) 2006, Astron. Nachr. 327, 899. (1bo, 2ao, 5cde) Wilson-Devinney LC analysis of detached F-type EB.

X-ray sources with constellation names

Aql X-1	(see V1333 Aql)
Cir X-1	(see BR Cir)
Cen X-4	(see V822 Cen)
Cyg X-1	(see V1357 Cyg)
Her X-1	(see HZ Her)
X Sgr X-4	*Tarana, A. et al.* (4 authors) 2007, ApJ 654, 494. (1u, 2, 5e) Hard x-ray
(4U 1820−30)	emission.
Sco X-1	(see V818 Sco)
Vel X-1	(see GP Vel)

Galactic objects with names including RA and DEC

IGR J00291+5934	*Burderi, L. et al.* (10 authors) 2007, ApJ 657, 961. (1x*, 5bi) Measuring the accretion torque.
AX J0051−73	(see DZ Tuc)
XMMU J005455.0−374117	*Carpano, S. et al.* (4 authors) 2006, A&A 458, 747. (2dx, 6b) New luminous supersoft x-ray source in NGC 300.
2S 0114+650	(see V662 Cas)
4U 0115+63	(see V635 Cas)
SDSS J015543.40+002807.2	(see FL Cet)
GRO J0422+32	(see V518 Per)
PSR J0737−3039A/B	*Kramer, M. et al.* (15 authors) 2006, Science 314, 97. GR test from timing of radio pulses of double pulsar.
RX J0806.3+1527	(see HM Cnc)
IGR J08408−4503	*Götz, D. et al.* (6 authors) 2007, ApJ 655, L101. (1x, 2x) Observed during bright flare.
1RXS J092737.4−191529	*Pretorius, M.L., Knigge, C.* 2007, A&A 461, 1103. (1ao, 2a, 6b) New CV.
SDSS J103533.03+055158.4	*Littlefair, S. P. et al.* (6 authors) 2006, Science 314, 1578. (1ao, 5ce) CV accreting mass from brown dwarf donor.
XTE J1118+480	(see KV UMa)
HS 1136+6646	*Liebert, J. et al.* (4 authors) 2006, PASP 118, 1528. (4b, 6b) Detection of third star in system, a distant companion to WD CB.
PSR J1141−6545	*Church, R.P. et al.* (4 authors) 2006, MNRAS 372, 715. (8a) Formation model for eccentric binary pulsar.

SDSS J121209.31+013627.7	*Burleigh, M.R. et al.* (19 authors) 2006, MNRAS 373, 1416. (1ao, 5bcegi) Most likely a magnetic CV. *Koen, C., Maxted, P.F.L.* 2006, MNRAS 371, 1675. (1ao, 5b) May be polar in a low state.
IRAS 12316−6401 (PN G301.1-01.4)	*Van Hoof, P.A.M., Van de Steene, G.C.* 2007, Baltic Astronomy, 16, 59. (6b) A new symbiotic Mira?
XB 1254−690	(see GR Mus)
SDSS J124058.03−015919.2	*Ramsay, G. et al.* (6 authors) 2006, A&A 457, 623. (2dx, 5i) AM CVn binary.
SDSS J144659.95+025330.3	*Horner, L. et al.* (7 authors) 2006, AJ 132, 2743. (1ao, 1x, 2ao, 3bo) New IP.
4U 1538−52	(see QV Nor)
XTE J1550−564)	(see V381 Nor)
4U 1608−52	(see QX Nor)
1RXS J162804.7−491150	*Iaria, R. et al.* (5 authors) 2007, A&A 463, 289. (1x, 2xc, 5i)
IGR J16318−4848	*Kaplan, D.L., Moon, D.-S., Reach, W.T.* 2006, ApJ 649, L107. (2ci*) Enormous x-ray absorption due to warm circumstellar dust.
IGR J16358−4726	*Patek, S.K. et al.* (13 authors) 2007, ApJ 657, 994. (1x*, 5bi) Spectral and timing analysis of a hard x-ray transient.
4U 1636−536	(see V801 Ara)
IGR J16393−4643	*Thompson, T.W.J. et al.* (5 authors) 2006, ApJ 649, 373. (2cx, 5be) Confirmed as HMXB.
GRO J1655−40	(see V1033 Sco)
XTE J1701−462	*Homan, J. et al.* (11 authors) 2007, ApJ 656, 420. (1x, 2x) ROSSI observations of Z-source NS x-ray binary.
SDSS J170213.26+322954.1	*Littlefair, S.P. et al.* (4 authors) 2006, MNRAS 371, 1435. (1ao, 5ce) Parameters of CV in period gap determined.
4U 1705−44	*Fiocchi, M., Bazzano, A., Ubertini, P.* 2007, ApJ 657, 448. (1x, 2x) First detection of Compton reflection in LMXB.
4U 1728−34	*Falanga, M. et al.* (6 authors) 2006, A&A 458, 21. (2dx) LMXB.
4U 1735−444	(see V926 Sco)
XTE J1739−285	*Kaaret, P. et al.* (9 authors) 2007, ApJ 657, L97. (1x, 2x) Millisecond variability during Type I bursts.
1E 1740.7−2942	*Bosch-Ramon, V. et al.* (6 authors) 2006, A&A 457, 1011. (2drxg) LMXB.
H 1743−322	*Dubus, G., Chaty, S.* 2006, A&A 458, 591. (3bi) LMXB.
1E 1743.1−2843	*Del Santo, M. et al.* (7 authors) 2006, A&A 456, 1105. (2dx) Likely LMXB.
1A 1744−361	*Bhattacharyya, S. et al.* (4 authors) 2006, ApJ 652, 603. (2cx) Shows atoll behaviour during outbursts.
CXO J174536.1−285638	*Mickles, V.J. et al.* (5 authors) 2006, ApJ 651, 408. (2cix*) IR counterpart to x-ray source, suggest HMXB.
SAX J1748.2−2808	*Sidoli, L. et al.* (5 authors) 2006, A&A 456, 287. (2dx) Likely HMXB near galactic centre.
AX J1749.1−2733	*Grebenev, S.A., Sunyaev, R.A.* 2007, LeAZh 33,175 (1axg) First observations in a high x-ray state - another fast transient revealed by INTEGRAL.

IGR J17497−2821	*Paizis, A. et al.* (7 authors) 2007, ApJ 657, L109. (1, 2x) Proposed as a LMXB BH. *Rodriguez, J. et al.* (8 authors) 2007, ApJ 655, L97. (1x, 2x) Outburst observed, possibly near galactic centre. *Walter, R. et al.* (11 authors) 2007, A&A 461, L17. (1x, 2x, 6b) New x-ray nova.
SWIFT J1753.5−0127	*Miller, J.M., Homan, J.,Miniutti, G.* 2006, ApJ 652, L113. (2cx) Model fit to x-ray spectra reveals cool AD.
IRAS 18026−2025 (AS 270)	*Fekel, F.C. et al.* (5 authors) 2007, AJ 133, 17. (2ai, 5d) Symbiotic star.
SAX J1808.4−3658	(see V4580 Sgr)
PSR J1811−1736	*Corongiu, A. et al.* (8 authors) 2007, A&A 462, 703. (1r) Evidence of supernova kick.
XTE J1814−338	(see V5511 Sgr)
4U 1820−30	(see X Sgr X-4)
IGR J18450−0435	*Sguera, V. et al.* (11 authors) 2007, A&A 462, 695. (1x, 6c) Supergiant HMXB confirmed.
4U 1850−087	*Sidoli, L. et al.* (4 authors) 2006, A&A 460, 229. (1g, 1x) Long term behaviour study.
HETE J1900.1−2455	*Suzuki, M. et al.* (19 authors) 2007, PASJ 59, 263. (1x) Dsicovery of an x-ray burst/milli-second pulsar.
XTE J1901+014	*Karasev, D.I., Lutovinov, A.A., Grebenev, S.A.* 2007, LeAZh 33, 186 (1ag) Study of the fast x-ray transient based on INTEGRAL and RXTE data.
4U 1907+09	*Fritz, S. et al.* (8 authors) 2006, A&A 458, 885. (2dx, 5i) Torque reversal in HMXB.
PSR J1911−5958A	*Bassa, C. G. et al.* (4 authors) 2006, A&A 456,295. (1ao, 2ao, 5cde) Pulsar with WD companion.
RX J1914.4+2456	(see V407 Vul)
GRS 1915+105	(see V1487 Aql)
Swift J1922.7−1716	*Falanga, M., Belloni, T., Campana, S.* 2006, A&A 456, L5. (2dx) Likely LMXB.
KPD 1930+2752	(see V2214 Cyg)
KS 1947+300	*Kiziloğlu, Ü., Baykal, A., Kiziloğlu, N.* 2007, Astron. Nachr. 328, 142. (1aox, 5i) Be+NS system with x-ray-heated disk.
4U 1954+319	*Masetti, N. et al.* (8 authors) 2007, A&A 464, 277. (1x,5i) Long term variability study. *Mattana, F. et al.* (7 authors) 2006, A&A 460, L1. (1x*,1g*) Timing and spectral study.
PSR B1957+20	(see QX Sge)
IRAS 20220+3728 (G76.188+0.098)	*Comerón, F., Pasquali, A., Torra, J.* 2006, A&A 457, 553. (2di) Central source of HII region suspected to be a binary with spectral types O9 and B0.
SDSS J205017.84−053626.8	*Horner, L. et al.* (7 authors) 2006, AJ 132, 2743. (1ao, 1x, 3bo) New diskless polar.
SDSS J210131.26+105251.5	*Horner, L. et al.* (7 authors) 2006, AJ 132, 2743. (1ao, 1x, 3bo) Probable SW Sex star.

SAX J2103.5+4545	*Baykal, A. et al.* (6 authors) 2007, MNRAS 374, 1108. (1x, 5abcegi) Timing studies on RXTE observations.
PG 2200+085	*Shimansky, V. et al.* (7 authors) 2006, A&A 456, 1069. (1ao, 2ao) Pre-CV.
4U 2206+54	(see BD +53°2790)
PSR B2303+46	*Church, R.P. et al.* (4 authors) 2006, MNRAS 372, 715. (8a) Formation model for eccentric binary pulsar.

Galactic objects with other designations

ADS 9173	(see κ^2 Boo)
AS 270	(see IRAS 18026−2025)
AS 338	(see V1413 Aql)
Cyg OB2 8A	*De Becker, M. et al.* (8 authors) 2006, MNRAS 371, 1280. (1x) O6If + O5.5IIIf binary with colliding winds is bright x-ray emitter.
G76.188+0.098	(see IRAS 20220+3728)
GCIRS 16SW	*Peeples, M.S. et al.* (8 Authors) 2007, ApJ 654, L61. (1ai, 5ce) $\tilde{5}0$ & 50-solar-mass contact binary near galactic centre.
GX 301-2	(see BP Cru)
GX 339-4	(see V821 Ara)
Hen 2-173	*Fekel, F.C. et al.* (5 authors) 2007, AJ 133, 17. (2ai, 5d) Symbiotic star.
LS 5039	(see V479 Sct)
LS I +65 010	(see V662 Cas)
LS I +61 303	(see V615 Cas)
MWC 560	(see V694 Mon)
NSV 1754	(see V1637 Ori)
PN G301.1-01.4	(see IRAS 12316−6401)
SS 433	(see V1343 Aql)
Var Her 04	(see V1108 Her)
WR 20a	*Rauw, G. et al.* (8 authors) 2007, A&A 463, 981. (1ao, 2ao, 5e) Distance to Westerlund 2.
WR 140	(see V1687 Cyg)
WRAY 15-977	(see BP Cru)

Extragalactic close binaries

XMMU J052016.0−692505	*Kahabka, P. et al.* (4 authors) 2006, A&A 458, 285. (2dx, 6c) Likely WD Be/x-ray binary in the LMC.
SN 1987A	*Morris, T., Podsiadlowski, P.* 2007, Science 315, 1103. (8abcd) Triple-ring nebula around SN fingerprint of binary merger.
X-7 in M33	*Shporer, A. et al.* (4 authors) 2007, A&A 462, 1091. (1ao, 5b, 6c) Optical counterpart of BH HMXB.
M81 X-9	*Tsunoda, N. et al.* (6 authors) 2006, PASJ 58, 1081. (2dx) Ultra-luminous compact object in the disk-dominated state.

M101	*Liu, J. et al.* (6 authors) 2006, ApJ 653, 602. (2cx) Discovery of eclipsing x-ray binary.
NGC 1313 X-1	*Feng, H., Kaaret, P.* 2006, ApJ 650, L75. (2cx) Enters steep power law state at high luminosities.
NGC 1313 X-2	*Feng, H., Kaaret, P.* 2006, ApJ 650, L75. (2cx) In the hard state with photon index of 1.7-2.0 at high luminosities.
SNLS-03D3bb	*Howell, D.A. et al.* (17 authors) 2006, Nature, 443, 308 (1oi) Type Ia SN from super-Chandrasekhar-mass WD.

General

Aggarwal, R., Taqvi, Z.A., Ahmad, I. 2006, Bull. Astron. Soc. India, 34, 327. Non-linear stability of L4 in the restricted three body problem for radiated axes symmetric primaries with resonances.

Banerjee, S., Ghosh, P. 2006, MNRAS 373, 1188. Collisional hardening of compact binaries in globular clusters.

Becarri, G. et al. (4 authors) 2006, ApJ 652, L121. Suggest that excess of AGB stars in 47 Tuc is the result of close binary evolution.

Becker, P.A., Wolff, M.T. 2007, ApJ 654, 435. Mathematical model of accretion-powered x-ray pulsars. (1x*, 8a)

Bednarek, W. 2007, A&A 464, 259. GeV-TeV γ-ray LCs expected in the IC $e^{\pm}$ pair cascade model for massive binaries: application to LS 5039.

Beer, M.E. et al. (4 authors) 2007, MNRAS 375, 1000. An alternative to common envelope evolution.

Begelman, M.C., Pringle, J.E. 2007, MNRAS 375, 1070. ADs with strong toroidal magnetic fields.

Belczynski, K. et al. (4 authors) 2006, ApJ 650, 303. Study of formation and evolution of BH's in star clusters.

Beuermann, K. 2006, A&A 460, 783. Barnes-Evans relations for dwarfs with an application to the determination of distances to CVs.

Böttcher, M. 2007, Ap&SS 307, 69. Astrophysical jets of blazars and microquasars.

Böttcher, M., Dermer, C.D. 2007, Ap&SS 307, 233. Models of very-high-energy γ-ray emission from the jets of microquasars: orbital modulation.

Bouwman, J. et al. (7 authors) 2006, ApJ 653, L57. Explores binarity as key factor in protoplanetary disk evolution in η Cha star cluster.

Bromley, B.C. et al. (6 authors) 2007, ApJ 653, 1194. Binaries disrupted by BH in galactic centre can produce hypervelocity halo stars. (9)

Carpano, S. et al. (5 authors) 2007, A&A 461, L9. (1x, 2c) A WR/BH x-ray binary candidate in NGC 300.

Chen, W.-C., Li, X.-D. 2006, MNRAS 373, 305. Evolution of BH intermediate-mass x-ray binaries: the influence of a circumbinary disc.

Chen, W.-C., Li, X.-D. Qian, S.-B. 2006, ApJ 650, 973. Orbital evolution of Algol binaries with a circumbinary disk.

Chen, W.-X., Beloborodov, A.M. 2007, ApJ 657, 383. Neutrino-cooled ADs. (8ab)

Church, M.J., Halai, G.S., Bałucińska-Church, M. 2006, A&A 460, 233. An explanation of the Z-track sources.

Cooper, R.L., Narayan, R. 2006, ApJ 652, 584. A two zone model of type I x-ray bursts on an accreting NS.

Corradi, R.L.M. et al. (5 authors) 2007, Baltic Astronomy, 16, 73. Search for symbiotic stars in the Milky Way.

Daemgen, S. et al. (4 authors) 2007, ApJ 654, 558. Companions of young M stars. (1x, 2b, 4, 5c, 6b)

Das, S., Chakrabarti, S.K. 2007, MNRAS 374, 729. Parameter space study of the magnetohydrodynamic accretion flows around compact objects.

Desidera, S., Barbieri, M. 2007, A&A 462, 345. Properties of planets in binary systems. The role of binary separation.

Dotti, M. et al. (5 authors) 2006, MNRAS 372, 869. On the search of electromagnetic cosmological counterparts to coalescences of massive BH binaries.

Eker, Z. et al. (4 authors) 2006, MNRAS 373, 1483. Dynamical evolution of active detached binaries on the $\log J_0$-$\log M$ diagram and contact binary evolution.

Epelstain, N. et al. (4 authors) 2007, MNRAS 374, 1449. A thousand and one nova outbursts.

Falceta-Gonçalves, D., Abraham, Z., Jatenco-Pereira, V. 2006, MNRAS 371, 1295. Modelling spectral line profiles of wind-wind shock emissions from massive binary systems.

Feng, H., Kaaret, P. 2006, ApJ 653, 536. Comparison of ultra-luminous x-ray sources in NGC 1399 and NGC 4038/4039.

Finke, J.D., Böttcher, M. 2007, Ap&SS 307, 325. Spectral features of photon-bubble models of ultraluminous x-ray sources.

Frankowski, A., Jorissen, A. 2007, Baltic Astronomy 16, 104. Binary life after the AGB – towards a unified picture.

Fukue, J., Akizuki, C. 2006, PASJ 58, 1039. Radiative transfer and limb darkening of ADs.

Fukue, J., Akizuki, C. 2006, PASJ 58, 1073. Relativistic radiative flow in a luminous disk II.

Gänsicke, B.T. et al. (7 authors) 2006, Ap&SS 306, 177. Ultraviolet studies of interacting binaries.

Gazeas, K., Niarchos, P. 2006, MNRAS 370, L29. Masses and angular momenta of contact binary stars.

Gielen, C., Van Winckel, H. 2007, Baltic Astronomy, 16, 148. The infrared spectra of disks around binary post-AGB stars.

Gokhale, V., Peng, X.M., Frank, J. 2007, ApJ 655, 1010. Hydrodynamic models of close WD binaries. (8)

Gourgouliatos, K.N., Jeffery, C.S. 2006, MNRAS 371, 1381. On the angular momentum evolution of merged WDs.

Gupta, S., Böttcher, M. 2007, Ap&SS 307, 237. Time-dependent synchrotron and Compton spectra from microquasar jets.

Haskell, B., Jones, D.J., Anderson, N. 2006, MNRAS 373, 1423. Mountains on NSs: accreted versus non-accreted crusts.

Hayasaki, K., Okazaki, A.T. 2006, MNRAS 372, 1140. Long-term evolution of ADs in Be/x-ray binaries.

Heinzeller, D., Duschl, W.J. 2007, MNRAS 374, 1146. On the Eddington limit in ADs.

Hoffman, D.I. et al. (6 authors) 2006, AJ 132, 2260. Case for third bodies as cause of period changes in Algols.

İbanoğlu, C. et al. (4 authors) 2006, MNRAS 373, 435. Angular momentum evolution of Algol binaries.

Ihm, C.M., Kalogera, V., Belczynski, K. 2006, ApJ 652, 540. Eccentricities of double NS binaries.

Irwin, J.A. 2006, MNRAS 371, 1903. The remarkable stability of probable BH LMXBs in nearby galaxies.

Ivanova, N. 2006, ApJ 653, L137. LMXB models have pre-main-sequence companions. (8ac)

Ivanova, N. et al. (6 authors) 2006, MNRAS 372, 1043 Formation and evolution of compact binaries in globular clusters – I. Binaries with WDs.

Jain, H. et al. (4 authors) 2006, Bull. Astron. Soc. India, 34, 255. Stationary solutions and their stability in the magnetic-binary problem when the bigger primary is a triaxial rigid body.

Janka, H.-T. 2007, Sterne und Weltraum 46, 44. SN-Explosionen und rasende Neutronensterne. (8) Asymmetric SN explosions claimed as origin of hyper-velocity NSs.

Kato, S. 2007, PASJ 59, 451. Frequency correlations of QPOs based on a disk ascillation model in warped disks.

Knigge, Ch. 2006, MNRAS 373, 484. The donor stars of CVs.

Kopparapu, R.K., Tohline, J.E. 2007, ApJ 655, 1025. WD binaries as sources of LISA-detected gravity waves. (8)

Körding, E.G., Jester, S., Fender, R. 2006, MNRAS 372, 1366. Accretion states and radio loudness in AGNs: analogies with x-ray binaries.

Kubiak, M., Udalski, A., Szymański, M.K. 2006, Acta Astronomica 56, 253. Period changes of contact binaries in OGLE database.

Levan, A.J., Davies, M.B., King, A.R. 2006, MNRAS 372, 1351. NS binaries and long-duration γ-ray bursts.

Linnell, A.P. et al. (7 authors) 2007, ApJ 654, 1036. Techniques used to simulate ADs. (1o*vu, 7d, 8ab)

Lü, G., Yungelson, L., Han, Z. 2006, MNRAS 372, 1389. Population synthesis for symbiotic stars with WD accretors.

Lucy, L. B. 2006, A&A 457, 629. SBs with components of similar mass.

Luhman, K.L. et al. (15 authors) 2007, ApJ 654, 570. Two T-dwarf companions discovered. (1x, 2b, 5c, 6b)

Luna, G.J.M., Costa, R.D.D., Sokoloski, J.L. 2007, Baltic Astronomy, 16, 40. Nebular abundances of southern symbiotic stars.

Malkov, O., Oblak, E. 2006, MmSAI 77, 1175. Classification of EBs in large surveys.

Martin, R.G., Tout, Ch. A., Lesaffre, P. 2006, MNRAS 373, 263. Critical mass transfer in double-degenerate Type Ia supernovae.

Matthews, O.M. et al. (4 authors) 2006, MNRAS 372, 1593. Propeller-activated resonances and the fate of short-period CVs.

Mayer, P., Drechsel, H. 2006, Observatory 126, 355. Spurious eccentricities of early-type binaries UW CMa, V448 Cyg, V453 Sco, V861 Sco.

Mazzali, P. A. et al. (4 authors) 2007, Science 315, 825. A common explosion mechanism for Type Ia SN.

Meintjes, P.J., Jurna, E. 2006, MNRAS 372, 1279. Secondary star magnetic fields in CBs.

Méndez, M. 2006, MNRAS 371, 1925. On the maximum amplitude and coherence of the kHz QPOs in LMXBs.

Merloni, A., Nayakshin, S. 2006, MNRAS 372, 728. On the limit-cycle instability in magnetized ADs.

Meyer, F., Liu, B.F., Meyer-Hofmeister, E. 2007, A&A 463, 1. Re-condensation from an advection-dominated accretion flow into an inner disk: the intermediate state of BH accretion?.

Mikołajewska, J. 2007, Baltic Astronomy, 16, 1. Symbiotic stars: continually embarrassing binaries.

Moeckel, N., Balley, J. 2007, ApJ 656, 275. Capture-formed binaries. (8ac)

Negueruela, I., Schurch, M.P.E. 2007, A&A 461, 631. A search for counterparts to massive x-ray binaries using photometric catalogues.

Oda, H. et al. (4 authors) 2007, PASJ 59, 457. Steady models of optically thin, magnetically supported BH ADs.

Okamoto, I., Sigalo, F.B. 2006, PASJ 58, 987. Pulsar magnetohydrodynamic winds.

Paizis, A. et al. (12 authors) 2006, A&A 459, 187. Average hard x-ray emission from NS LMXBs: observational evidence of different spectral states in NS LMXBs.

Pandey, M. et al. (5 authors) 2007, A&A 463, 567. Low-frequency radio monitoring of microquasars.

Park, T. et al. (7 authors) 2006, ApJ 652, 610. Bayesian estimation of hardness ratios in LMXBs.

Peng, F., Brown, E., Truran, J.W. 2007, ApJ 654, 1022. Type I x-ray busts at low accretion rates. (1x*,8b)

Petrov, V.S., Tutukov, A.V., Cherepashchuk, A.M. 2007, AZh 84,165 (8c) Luminosity excess of OB stars in quasi-stationary x-ray binaries.

Pilyugin, N.N. 2007, ApJ 655, 1002. Collision of hypersonic winds in binary. (8ab)

Podsiadlowski, Ph., Mohamed, S. 2007, Baltic Astronomy, 16, 26. Origin and evolution of symbiotic binaries.

Prato L. 2007, ApJ 657, 338. Young-SB survey in Ophiuchus. (2a)

Pretorius, M.L., Knigge, C., Kolb, U. 2007, MNRAS 374, 1495. The influence of selection effects on the observed CV population: modelling and application to the Palomar−Green sample.

Putanen, J., Beloborodov, A.M. 2006, MNRAS 373, 836. Pulse profiles of millisecond pulsars and their Fourier amplitudes.

Remillard, R.A., McClintock, J.E. 2006, ARA&A 44, 49. X-ray properties of BH binaries.

Reynolds, C.S, Garofalo, D., Begelman, M.C. 2006, ApJ 651, 1023. Magnetic flux trapping by plunge region of BH AD.

Ruggiero, M.L., Tartaglia, A. 2007, MNRAS 374, 847. Gravitational Faraday rotation in binary pulsar systems.

Russell, D.M. et al. (7 authors) 2006, MNRAS 371, 1334. Global optical/IR–x-ray correlation in x-ray binaries: quantifying disc and jet contributions.

Schmidt, G.D. et al. (7 authors) 2007, ApJ 654, 521. WD-brown dwarf systems. (1a, 2b, 5eij)

Schnittman, J.D., Krolik, J.H., Hawley, J.F. 2006, ApJ 651, 1031. LCs from magnetohydrodynamic simulation of BH AD.

Setiawan, S., Ruffert, M., Janka, H.-T. 2006, A&A 458, 553. Three-dimensional simulations of non-stationary accretion by remnant BHs of compact object mergers.

Sirotkin, F.V., Karetnikov, V.G. 2005, Odessa Astron. Publ. 18, 101 (8c) Protoplanetary system formation as a result of merging of CB star consisting of low-mass pre-MS stars.

Skopal, A. 2006, A&A 457, 1003. (5j) Broad Hα wings from the optically thin stellar wind of the hot components in symbiotic binaries.

Smits, M. et al. (4 authors) 2006, A&A 458, 477. The globular cluster mass/LMXB correlation: implications for kick velocity distributions from supernovae.

Socrates, A., Davis, S.W. 2006, ApJ 651, 1049. Ultraluminous x-ray sources powered by stellar-mass black holes.

Steinmetz, M. et al. (54 authors) 2006, AJ 132, 1645. First data release from RAVE.

Stepien, K. 2006, Acta Astronomica 56, 347. Lower limit for total mass of W UMa-type binaries.

Stroeer, A. et al. (7 authors) 2007, A&A 462, 269. Detection of companions to subdwarf O-stars from the ESO supernova Ia progenitor survey.
Stütz, C., Paunzen, E. 2006, A&A 458, L17. Test of SB hypothesis for λ Boo phenomenon, with negative results.

Takahashi, R., Watarai, K. 2007, MNRAS 374, 1515. Eclipsing LCs for accretion flows around a rotating BH and atmospheric effects of the companion star.

Taylor, J.K. 2006, Observatory 126, 384. EB in open clusters (10a).

Tessmer, M., Gopakumar, A. 2007, MNRAS 374, 721. Accurate and efficient gravitational waveforms for certain galactic compact binaries.

Toledano, O. et al. (4 authors) 2007, A&A 461, 1057. Tides in asynchronous binary systems.

Tout, C.A. 2006, MmSAI 77, 804. The effects of binary stars on AGB nucleosynthesis, in particular the consequences for type Ia supernovae.

Trenti, M., Heggie, D.C., Hut, P. 2007, MNRAS 374, 344. Star clusters with primordial binaries − II. Dynamical evolution of models in a tidal field.

Trenti, M. et al. (4 authors) 2007, MNRAS 374, 857. Star clusters with primordial binaries − III. Dynamical interaction between binaries and an intermediate-mass BH.

van Adelsberg, M., Lai, D. 2006, MNRAS 373, 1495. Atmoshere models of magnetized NSs: QED effects, radiation spectra and polarization signals.

van Marle, A.J. et al. (4 authors) 2006, A&A 460, 105. Forming a constant density medium close to long γ-ray bursts.

Van Winckel, H. 2007, Baltic Astronomy, 16, 112. Post-AGB binaries.

Van Winckel, H. et al. (5 authors) 2006, MmSAI 77, 943. Binary post-AGB stars and their Keplerian discs.

Vilardell, F., Ribas, I., Jordi, C. 2006, A&A 459, 321. (1ao, 6a) EBs suitable for distance determination in the Andromeda galaxy.

Wang, D-X. et al. (4 authors) 2007, MNRAS 374, 647. A toy model for magnetic connection in BH AD.

Watarai, K. 2007, PASJ 59, 443. New analytical formulae for optically thin accretion flows.

Whitworth, A.P., Stamatellos, D. 2006, A&A 458, 817. The minimum mass for star formation, and the origin of binary brown dwarfs.

Willems, B. et al. (4 authors) 2007, ApJ 657, 465. Period distributions above the period gap. (9)

Zhang, C.M. et al. (8 authors) 2007, MNRAS 374, 232. Measuring NS mass and radius with three mass-radius relations.

Zijlstra, A.A. 2007, Baltic Astronomy, 16, 79. Binary central stars of planetary nebulae.

Zucker, S., Alexander, T. 2007, ApJ 654, L83. Determination of absolute masses from single and double-lined spectra using GR. (8a)

Zwart, S.F.P., McMillan, S.L.W., Makino, J. 2007, MNRAS 374, 95. Star cluster ecology − VII. The evolution of young dense star clusters containing primordial binaries.

Collections of data

Apai, D. et al. (5 authors) 2007, ApJ 655, 484. (1i, 2ab) Massive binaries in clusters.

Barlow, E.J. et al. (8 authors) 2006, MNRAS 372, 224. (1x) 20-100 keV properties of CVs from INTEGRAL/IBIS survey.

Biró, I.B. et al. (9 authors) 2007, IBVS 5753. (5a) 82 times of minima of 34 EBs: XZ And, AB And, EP And, OO Aql, V889 Aql, SS Ari, CL Aur, IM Aur, IU Aur, TZ Boo, Y Cam, AS Cam, DN Cas, PV Cas, VW Cep, XX Cep, EK Cep, LS Del, DI Her, HS Her, V994 Her, SW Lac, AR Lac, AU Lac, UV Leo, U Peg, AG Per, β Per, EQ Tau, TW UMa, VV UMa, ZZ UMa, DW UMa, LP UMa.

Çakirli, Ö. et al. (4 authors) 2006, IBVS 5429. (5a) 23 times of minima of 4 EBs: TT Cet, MX Del, MZ Del, CP Psc.

Carquillat, J.-M., Prieur, J.-L. 2007, Astron. Nachr. 328, 46. (2ao, 5dk) RV study of 9 SB1 systems: HD 137975-6, HD 177984, HDE 226489, HDE 231613-4, HDE 255387-8, HDE 256138-9, HDE 264997-8, HDE 276787, HDE 293041-2.

Clausen, J.V. et al. (7 authors) 2007, A&A 461, 1065. (1ao, 5c) Four-colour photometry of EBs. XL. uvby LCs for the B-type systems DW Car, BF Cen, AC Vel, NSV 5783.

Crowther, P.A. et al. (5 authors) 2006, MNRAS 372, 1407. (1ao, 2b) WR survey in Westerlund 1; binary fraction $> 62\%$.

Csizmadia, Sz. et al. (7 authors) 2006, IBVS 5736. (5a) 42 times of minima of 24 EBs: CN And, EP And, GZ And, V376 And, FP Aur, IM Aur, SV Cam, CW Cas, PV Cas, V523 Cas, V776 Cas, CQ Cep, EV Cnc, CE Leo, PY Lyr, U Peg, BB Peg, V432 Per, UV Psc, DZ Psc, AH Tau, EQ Tau, NO Vul, WZ Sge.

Deroo, P., Van Winckel, H. 2007, Baltic Astronomy, 16, 145. (4cr) Compact dusty disks around binary post-AGB stars with the VLTI/MIDI interferometer: PS Gem, SX Cen, IRAS 17038−4815.

Dogru, S.S. et al. (7 authors) 2007, IBVS 5746. (5a) 57 times of minima of 47 EBs: RT And, WZ And, AB And, LO And, KO Aql, OO Aql, CX Aqr, IM Aur, CL Aur, SX Aur, AB Cas, BZ Cas, CW Cas, TV Cas, TW Cas, V523 Cas, EG Cep, DK Cyg, KR Cyg, WZ Cyg, ZZ Cyg, V456 Cyg, V700 Cyg, TY Del, UX Eri, SW Lac, TW Lac, Y Leo, TZ Lyr, V839 Oph, ER Ori, U Peg, BB Peg, BO Peg, BX Peg, DI Peg, DK Peg, Z Per, RT Per, ST Per, V432 Per, UV Psc, RZ Tau, AH Tau, V781 Tau, V Tri, X Tri.

Goranskij, V.P., Barsukova, E.A. 2007, AZh 84, 147 (2c) Comparative spectral analysis of peculiar red novae V838 Mon and V4343 Sgr in quiescence after their outbursts.

Griffin, R.F. 2006, Observatory 126, 338. (2a, 5d) SB1 near NGP: HD 109484, HD 110376, HD 119334, HD 120531.

Griffin, R.F. 2006, MNRAS 371, 1159. (4) Orbits determined for 30 SB systems discovered in southern Clube selected areas.

Griffin, R.F., Cornell, A.P. 2006, MNRAS 371, 1140. (2ao, 6b) Photoelectric RVs for 625 stars in southern Clube selected areas ($\sim$ 70 SBs discovered).

Gromadzki, M. et al. (4 authors) 2007, Baltic Astronomy, 16, 37. (5b, 6b) Identification of 126 symbiotic stars in ASAS, OGLE and MACHO databases and results for period changes: V366 Car, BI Cru, BX Mon, RX Pup, V2905 Sgr, V3804 Sgr, V4074 Sgr (Nova 1965), RR Tel, IRAS 05440+0642 (StHA 55), IRAS 18001−3242 (AS 269), Hen 3-863, WRAY 15-1511.

Harrison, T.E. et al. (5 authors) 2007, ApJ 656, 444. (1r, 2r) SPITZER spectroscopy of IP: AR Aqr, FO Aqr, V603 Aql, TV Col, TX Col, DQ Her, EX Hya, GK Per, V1223 Sgr.

Hübscher, J., Paschke, A., Walter, F. 2006, IBVS 5731. (5a) 55th compilation of BAV results: RT And, TT And, WZ And, XZ And, AA And, AB And, AD And, AP And, BD And, BD And, BL And, DK And, DS And, EP And, EX And, GZ And, LO And, QW And, QX And, V376 And, V404 And, AF Aps, BH Aps, CX Aqr, OO Aql, V346 Aql, V417 Aql, V609 Aql, V640 Aql, V724 Aql, V1341 Aql, V1355 Aql, V1430 Aql, V1542 Aql, CU Ara, SS Ari, SS Ari, RY Aur, RZ Aur, WW Aur, ZZ Aur, AP Aur, BC Aur, CG Aur, CL Aur, DO Aur, EM Aur, EO Aur, FN Aur, FO Aur, FP Aur, FW Aur, GX Aur, HU Aur, HW Aur, KU Aur, MO Aur, MU Aur, NN Aur, V364 Aur, V432 Aur, SS Boo, SU Boo, TU Boo, TY Boo, TZ Boo, UW Boo, YY Boo, AC Boo, AD Boo, AR Boo, BG Boo, BW Boo, CV Boo, DU Boo, EF Boo, ET Boo, EW Boo, FY Boo, GT Boo, Y Cam, AK Cam, AO Cam, AT Cam, FN Cam, TX Cnc, WW Cnc, XZ Cnc, YY Cnc, FF Cnc, HN Cnc, RV CVn, RY CMi, TT CMi, TU CMi, TX CMi, XZ CMi, AC CMi, AK CMi, BB CMi, BF CMi, CX CMi, TW Cas, ZZ Cas, AT Cas, AX Cas, BH Cas, BS Cas, BW Cas, CW Cas, DN Cas, DO Cas, DZ Cas, EN Cas, EP Cas, GU Cas, IS Cas, KL Cas, KR Cas, MM Cas, MN Cas, MR Cas, MS Cas, MT Cas, MV Cas, NN Cas, NU Cas, OR Cas, OX Cas, PV Cas, QQ Cas, V336 Cas, V350 Cas, V359 Cas, V360 Cas, V361 Cas, V364 Cas, V366 Cas, V368 Cas, V375 Cas, V389 Cas, V411 Cas, V445 Cas, V449 Cas, V471 Cas, V473 Cas, V520 Cas, V523 Cas, V541 Cas, V702 Cas, GSC3679.1920 Cas, GSC3675.1186 Cas, GSC3675.1186 Cas, GSC4030.2020 Cas, SV Cen, VW Cep,

WW Cep, WZ Cep, DW Cep, EG Cep, EK Cep, EO Cep, IM Cep, IP Cep, LP Cep, NN Cep, NS Cep, V338 Cep, RW Com, UX Com, CC Com, EK Com, EK Com, EQ Com, LO Com, LP Com, NSV5740 Com, RW CrB, TU CrB, TW CrB, YY CrB, UW Cyg, VV Cyg, WZ Cyg, ZZ Cyg, AE Cyg, BO Cyg, CV Cyg, DK Cyg, DX Cyg, GG Cyg, KR Cyg, MY Cyg, NZ Cyg, PV Cyg, QW Cyg, QX Cyg, V345 Cyg, V346 Cyg, V370 Cyg, V382 Cyg, V401 Cyg, V443 Cyg, V453 Cyg, V454 Cyg, V463 Cyg, V466 Cyg, V469 Cyg, V477 Cyg, V488 Cyg, V490 Cyg, V493 Cyg, V496 Cyg, V502 Cyg, V508 Cyg, V509 Cyg, V513 Cyg, V519 Cyg, V526 Cyg, V534 Cyg, V587 Cyg, V628 Cyg, V680 Cyg, V687 Cyg, V700 Cyg, V704 Cyg, V726 Cyg, V787 Cyg, V822 Cyg, V824 Cyg, V836 Cyg, V841 Cyg, V856 Cyg, V859 Cyg, V865 Cyg, V869 Cyg, V870 Cyg, V874 Cyg, V880 Cyg, V884 Cyg, V885 Cyg, V887 Cyg, V909 Cyg, V912 Cyg, V931 Cyg, V932 Cyg, V934 Cyg, V941 Cyg, V947 Cyg, V957 Cyg, V961 Cyg, V963 Cyg, V964 Cyg, V965 Cyg, V974 Cyg, V975 Cyg, V979 Cyg, V1004 Cyg, V1009 Cyg, V1023 Cyg, V1034 Cyg, V1034 Cyg, V1066 Cyg, V1083 Cyg, V1136 Cyg, V1147 Cyg, V1171 Cyg, V1191 Cyg, V1193 Cyg, V1256 Cyg, V1356 Cyg, V1417 Cyg, V1425 Cyg, V2150 Cyg, V2181 Cyg, V2239 Cyg, V2240 Cyg, GCS3576.170 Cyg, GSC3575.3593 Cyg, Z Dra, RR Dra, TZ Dra, AU Dra, BH Dra, BV Dra, BW Dra, DW Dra, HP Dra, SX Gem, TX Gem, TZ Gem, WW Gem, AC Gem, AV Gem, AY Gem, AZ Gem, DP Gem, DP Gem, EL Gem, FT Gem, GM Gem, HI Gem, HR Gem, KV Gem, LO Gem, MU Gem, OQ Gem, GSC1330.287 Gem, SZ Her, TU Her, UX Her, BV Her, CC Her, ES Her, FN Her, HS Her, IK Her, LT Her, MS Her, MX Her, V338 Her, V357 Her, V359 Her, V381 Her, V387 Her, V450 Her, V502 Her, V719 Her, V728 Her, V731 Her, V732 Her, V733 Her, V742 Her, V829 Her, V842 Her, V856 Her, V857 Her, V878 Her, V972 Her, V1005 Her, V1032 Her, V1033 Her, V1034 Her, V1036 Her, V1042 Her, V1047 Her, V1053 Her, V1055 Her, V1057 Her, V1062 Her, V1064 Her, V1067 Her, AV Hya, SW Lac, VX Lac, ZZ Lac, AG Lac, AW Lac, CG Lac, CO Lac, DG Lac, EK Lac, EM Lac, EP Lac, EQ Lac, EX Lac, IL Lac, IP Lac, IU Lac, IZ Lac, LZ Lac, MW Lac, NR Lac, PP Lac, V342 Lac, V344 Lac, V345 Lac, V364 Lac, V441 Lac, Y Leo, RT Leo, UZ Leo, VZ Leo, WZ Leo, XX Leo, XY Leo, XZ Leo, AG Leo, BW Leo, CE Leo, ET Leo, RT LMi, KQ Lib, RY Lyn, UU Lyn, UV Lyn, CD Lyn, DE Lyn, TT Lyr, TZ Lyr, AA Lyr, EW Lyr, FH Lyr, FL Lyr, HY Lyr, IW Lyr, NY Lyr, PS Lyr, PV Lyr, PY Lyr, QU Lyr, V400 Lyr, V401 Lyr, V404 Lyr, V563 Lyr, V573 Lyr, V574 Lyr, V580 Lyr, V589 Lyr, UU Mon, UV Mon, VX Mon, AO Mon, BM Mon, GG Mon, HM Mon, IX Mon, V395 Mon, V396 Mon, V448 Mon, V453 Mon, V456 Mon, V498 Mon, V514 Mon, V527 Mon, V528 Mon, V530 Mon, WZ Oph, V449 Oph, V839 Oph, CQ Ori, EF Ori, ER Ori, FH Ori, FK Ori, FT Ori, GG Ori, GU Ori, OS Ori, QV Ori, V343 Ori, V519 Ori, V647 Ori, V648 Ori, GSC1296.975 Ori, U Peg, UX Peg, ZZ Peg, AT Peg, BB Peg, BN Peg, BO Peg, BX Peg, BY Peg, BZ Peg, CC Peg, CE Peg, CF Peg, CZ Peg, DI Peg, DK Peg, DP Peg, ER Peg, GP Peg, KW Peg, MQ Peg, ST Per, XZ Per, BO Per, BP Per, BY Per, BY Per, HW Per, II Per, IM Per, IQ Per, IU Per, KN Per, KW Per, PS Per, V366 Per, V432 Per, V449 Per, V450 Per, β Per, RV Psc, CP Sge, CU Sge, CW Sge, DK Sge, EI Sge, FX Sge, AU Ser, BI Ser, CC Ser, CX Ser, GSC2038.293 Ser, RW Tau, SV Tau, WY Tau, AQ Tau, BV Tau, CF Tau, CT Tau, CU Tau, EN Tau, EQ Tau, GQ Tau, GR Tau, GW Tau, HU Tau, V781 Tau, V1061 Tau, V1123 Tau, V1128 Tau, V Tri, X Tri, RS Tri, WW Tri, TY UMa, UY UMa, VV UMa, ZZ UMa, AA UMa, AC UMa, AF UMa, DW UMa, ES UMa, HH UMa, KM UMa, LP UMa, RU UMi, NSV8499 UMi, AW Vir, AX Vir, NY Vir, VY Vul, AT Vul, AW Vul, AZ Vul, BE Vul, BG Vul, BI Vul, BK Vul, BM Vul, BP Vul, BS Vul, BT Vul, BU Vul, CD Vul, DR Vul, EO Vul, EQ Vul, EU Vul, EY Vul, FF Vul, FM Vul, FO Vul, FQ Vul, FR Vul, FW Vul, GI Vul, GN Vul, GP Vul, GR Vul, GU Vul, HS Vul, IW Vul, KN Vul, NO Vul, GSC2192.1283 Vul, GSC2140.1485 Vul.

Irwin, J. et al. (6 authors) 2007, MNRAS 375, 1449. (1ao, 5bc, 6b, 7cd) The Monitor project: A large-scale photometric survey of nearby open clusters and star forming regions aiming to find low-mass EBs and planet systems.

Kappes, A. et al. (5 authors) 2007, ApJ 656, 870. (1x) Galactic neutrino sources.

Kato, M., Hachisu, I. 2007, ApJ 657, 1004. (1a*, 5c) Model of super-Eddington luminosity.

Klabukova, A.V. 2005, Odessa Astron. Publ. 18, 67 (1d, 5c) About three CVs.

Kotnik-Karuza, D., Jurkic, T., Friedjung, M. 2007, Baltic Astronomy, 16, 98. (1io) Circumstellar dust properties in the symbiotic Miras: R Aqr, V835 Cen, RX Pup, RR Tel.

Madrid, J.P. et al. (5 authors) 2007, ApJ 654, L41. (1au) Discovery of 13 nova candidates in M87.

McSwain, M.V. et al. (4 authors) 2007, ApJ 655, 473. (1aa*x*, 2abc, 4a) Runaway binaries.

Monnier, J.D. et al. (5 authors) 2007, ApJ 655, 1033. (4c) Keck aperture masking of WR stars gives further evidence of binarity.

Papadaki, C. et al. (8 authors) 2006, A&A 456, 599. (1ao) Time-resolved photometry of 5 CVs: V795 Her, V1193 Ori, LQ Peg, LD 317 (FBS 2342+432), MCT 2347−3144.

Powell, C.R., Haswell, C.A., Falanga, M. 2007, MNRAS 374, 466.(1x, 5cegi) Distances and AD radii of LMXBs: XTE J0929−314, IL Lup (4U 1543−475), V381 Nor (XTE J1550−564), V1033 Sco (GRO J1655−40), 4U 1705−44, GRO J1744−28, XTE J1751−305, XTE J1807−294, V4580 Sgr (SAX J1808.4−3658), V821 Ara (GX 339-4).

Prieur, J.-L., Carquillat, J.-M., Imbert, M. 2006, MNRAS 372, 703. (2a, 5d) Orbital elements for 7 SB1 Am stars: HD 3970, HD 35035, HD 93946, HD 151746, HD 153286, HD 204751, HD 224002.

Rodríguez-Gill, P., Schmidtobreick, L., Gänsicke, B.T. 2007, MNRAS 374, 1359. (2abc, 5abdegi) Spectroscopic study of ten nova-like CVs: HL Aqr, BO Cet, V849 Her, V393 Hya, AH Men, V380 Oph, LQ Peg, AH Pic, V992 Sco, LN UMa.

Rucinski, S.W., Duerbeck, H.W. 2006, AJ 132, 1539. (2ao, 5d) RV and elements for southern CBs: EL Aqr, V1464 Aql, V759 Cen, SX Crv, VZ Lib, DE Oct, MW Pav, BQ Phe, GR Vir. Also for suspected multiple systems: CL Cet, CE Hyi, V1084 Sco.

Rutkowski, A., Mikołajewska, J., Whitelock, P.A. 2007, Baltic Astronomy, 16, 49. (1i) Near-infrared LCs and their modelling: RW Hya, SY Mus and AR Pav.

Santander-Garcia, M., Corradi, R.L.M. 2007, Baltic Astronomy, 16, 65. (8b) Dynamics and expansion parallax of nebulae around stars: V852 Cen (Hen 2-104), V347 Nor (Hen 2-147), Mz 3, M 2-9.

Schwartz, G.J. et al. (4 authors) 2007, ApJ 657, 453. (2uv) Abundance analysis of V838 Her and V4160 Sgr.

Senavci, H.V. et al. (17 authors) 2007, IBVS 5754. (5a) 119 minima times of 47 EBs: AB And, BX And, V363 And, OO Aql, XZ Aql, AH Aur, AP Aur, AR Aur, TT Aur, V410 Aur, AC Boo, CK Boo, EL Boo, TZ Boo, TX Cnc, WY Cnc, BI CVn, CG Cyg, GO Cyg, KR Cyg, AK Her, SZ Her, TT Her, TX Her, UX Her, SW Lac, AM Leo, AP Leo, FK Leo, UV Leo, XY Leo, XZ Leo, SW Lyn, V451 Oph, V456 Oph, V502 Oph, V508 Oph, V566 Oph, V839 Oph, DI Peg, U Peg, AQ Psc, VZ Psc, V781 Tau, BF Vir, ER Vul, Z Vul.

Smith, A.B., Caton, D.B. 2007, IBVS 5745. (5a) 102 times of minimum light for 60 mostly neglected EBs: RT And, RX Ari, WW Aur, AR Aur, CL Aur, EO Aur, HL Aur, YZ Aql, V1182 Aql, 44 Boo, BW Boo, UW Boo, AW Cam, CV CMa, CC Cas, IT Cas, V527 Cas, GK Cep, SS Cet, TV Cet, WW Cyg, DX Cyg, V463 Cyg, V469 Cyg, V490 Cyg, V498 Cyg, V512 Cyg, V541 Cyg, V873 Cyg, V959

Cyg, V974 Cyg, V1136 Cyg, V1326 Cyg, V1436 Cyg, Z Dra, RR Dra, BF Dra, CM Dra, DI Her, VZ Hya, CM Lac, MZ Lac, V345 Lac, V412 Lyr, V431 Lyr, RU Mon, TV Mon, U Oph, WZ Oph, V451 Oph, EW Ori, DV Peg, IQ Per, KX Pup, ER Sct, AN Tau, DR Vul, FQ Vul, GP Vul, MN Vul.

Southworth, J. et al. (8 authors) 2006, MNRAS 373, 687. (1ao, 2acdo, 5bcdegi) Phase-resolved spectroscopy of 6 CVs discovered by the SDSS: SDSS J023322.61+005059.5, SDSS J091127.36+084140.7, SDSS J093238.21+010902.5, SDSS J101037.05+024914.9, SDSS J103533.02+055158.3, SDSS J121607.03+052013.9.

Székely, P. et al. (6 authors) 2007, A&A 463, 589. (1ao) 11 new EBs in the southern globular cluster NGC 362.

Tremblay, P.E., Bergeron, P. 2007, ApJ 657, 1013. (1i*m*d*, 5g) 95 WD-binary candidates from 2MASS data.

Wang, D.-X., Ye, Y.-C., Huang, C.-Y. 2007, ApJ 657, 428. (8a) QPO caused by magnetic coupling of AD and BH: V1487 Aql (GRS 1915+105), V381 Nor (XTE J1550−564), V1033 Sco (GRO J1655−40), V406 Vul (XTE J1859+226), H1743−322, Sgr A*.

Wolf, M. et al. (9 authors) 2006, A&A 456, 1077. (5abf) Apsidal motion in eccentric EBs: CW Cep, V478 Cyg, AG Per, IQ Per.

Zejda, M., Mikulášek, Z., Wolf, M. 2006, IBVS 5741. (5a) 374 CCD times of minima of 187 EBs: BX And, DO And, EP And, GZ And, V440 And, UU Aqr, CX Aqr, DY Aqr, GK Aqr, V407 Aql, V417 Aql, V479 Aql, V699 Aql, V761 Aql, V770 Aql, V784 Aql, V803 Aql, V873 Aql, V1168 Aql, V1355 Aql, HP Aur, IU Aur, KO Aur, QT Aur, V364 Aur, V523 Aur, TZ Boo, FY Boo, LR Cam, SW Cnc, WY Cnc, AC Cnc, GSC 00816.01907, TU CMi, TX CMi, XZ CMi, AG CMi, AO CMi, AV CMi, GSC 00770.00523, AB Cas, AH Cas, CW Cas, EI Cas, EY Cas, IV Cas, KL Cas, KT Cas, MM Cas, V541 Cas, V775 Cas, V799 Cas, V851 Cas, GSC 04297.01664, WY Cep, ZZ Cep, BE Cep, EK Cep, IO Cep, OT Cep, V698 Cep, TV Cet, SS Com, DG Com, EK Com, LL Com, LO Com, TU CrB, TW CrB, CG Cyg, GV Cyg, V388 Cyg, V401 Cyg, V442 Cyg, V456 Cyg, V500 Cyg, V509 Cyg, V635 Cyg, V700 Cyg, V706 Cyg, V711 Cyg, V787 Cyg, V822 Cyg, V859 Cyg, V870 Cyg, V877 Cyg, V959 Cyg, V1004 Cyg, V1019 Cyg, V1147 Cyg, V1414 Cyg, GSC 02685.00099, GSC 02685.01186, GSC 02685.01453, HD 226957, YY Del, FZ Del, TW Dra, EF Dra, WX Eri, BL Eri, TX Gem, AV Gem, EL Gem, FG Gem, FT Gem, HR Gem, KQ Gem, KV Gem, AK Her, V789 Her, WY Hya, TW Lac, TZ Lac, VY Lac, AU Lac, EM Lac, GH Lac, IP Lac, PP Lac, V344 Lac, V364 Lac, Y Leo, WZ Leo, AP Leo, BL Leo, BW Leo, RR Lep, SS Lib, TY Lib, VZ Lib, FL Lyr, V361 Lyr, UU Mon, BB Mon, BM Mon, GH Mon, HM Mon, NN Mon, V396 Mon, V453 Mon, V501 Mon, GSC 04816.02749, V913 Oph, V981 Oph, EF Ori, EQ Ori, GU Ori, QV Ori, V392 Ori, V645 Ori, V1633 Ori, BX Peg, BY Peg, CE Peg, KW Peg, XZ Per, AG Per, II Per, IU Per, PS Per, V680 Per, GSC 03708.01325, Y Psc, RV Psc, DL Sge, XY Sct, FG Sct, LX Ser, AL Tau, GR Tau, HD 285166, V Tri, X Tri, RW Tri, ST Tri, UX UMa, XZ UMa, HW Vir, BT Vul, BU Vul, IM Vul, HD 350731.

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