

Publications year: 2012

1. Auriere, M., Konstantinova-Antova, R., Petit, P., Charbonnel, C., Van Eck, S., Donati, J.-F., Lignieres, F., Roudier, T., 14 Ceti: a probable Ap-star-descendant entering the Hertzsprung gap, 2012, *A&A*, **543**, A118
2. Bachev, R., Rapid optical variability of QSO GB6 J1604+5714, 2012, *ATel*, 4184, 1
3. Bachev, R., Semkov, E., Strigachev, A., Gupta, A. C., Gaur, H., Mihov, B., Boeva, S., Slavcheva-Mihova, L., The nature of the intra-night optical variability in blazars, 2012, *MNRAS*, **424**, 2625–2634
4. Bachev, R., Peneva, S., Recent optical activity of flaring blazars, 2012, *ATel*, 4437, 1
5. Bachev, R., Spassov, B., Ibryamov, S., Boeva, S., Stoyanov, K., Semkov, E., Peneva, S., Strigachev, A., No evidence for enhanced optical emission from BL Lacertae, 2012, *ATel*, 4568, 1
6. Boeva, S., Bachev, R., Antov, A., Tsvetkova, S., Stoyanov, K. A., Low State of KR Aurigae (2008 - 2010), 2012, *Publ. Astron. Society R. Boskovic*, **11**, 369-373, ISBN 978-86-89035-01-8
7. Borisov, G., Bonev, T., Iliev, I., Stateva, I., Low and high resolution spectroscopy of the comet C/2009 R1 (McNaught), 2012, *Bulgarian Astronomical Journal*, **18(1)**, 47-55,
8. Borisov, G.; Stanchev, O., Assigning WCS Standards to Rozhen Fits Archive. Preliminary Tests, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 253-257
9. Borisova, A. P., Hambaryan, V. V., Innis, J. L., Bayesian approach to the cyclic activity of CF Oct, 2012, *MNRAS*, **420**, 2539-2545
10. Borisova, A., Hambaryan, V., Laskov, L., Bayesian Probability Theory in Astronomy: Looking for Stellar Activity Cycles in Photometric Data-Series, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 107-123
11. Borisova, A., Konstantinova-Antova, R., Auriere, M., Petit, P., Tsvetkova, S., A spectral study of the active giant OP And in the period 1979 – 2010, 2012, *Bulg. Astr. J.*, **18(2)**, 27-35
12. Chapanov, Y., Tsvetkova, K., Tsvetkov, M., Vondrak, J., Ron, C., Stefka, V., Wide-Field Plates Observations of Stars from Earth Orientation Catalogs (EOC), 2012, *Publ. Astron. Society R. Boskovic*, **11**, 157-168
13. Chen, W. P.; Hu, S. C.-L.; Errmann, R.; Adam, Ch.; Baar, S.; Berndt, A.; Bukowiecki, L.; Dimitrov, D. P.; Eisenbeil, T.; Fiedler, S.; Ginski, Ch.; Grafe, C.; Guo, J. K.; Hohle, M. M.; Hsiao, H. Y.; Janulis, R.; Kitze, M.; Lin, H. C.; Lin, C. S.; Maciejewski, G.; Marka, C.; Marschall, L.; Moualla, M.; Mugrauer, M.; Neuhäuser, R.; Pribulla, T.; Raetz, St.; Roll, T.; Schmidt, E.; Schmidt, J.; Schmidt, T. O. B.; Seeliger, M.; Trepl, L.; Briceno, C.; Chini, R.; Jensen, E. L. N.; Nikogossian, E. H.; Pandey, A. K.; Sperauskas, J.; Takahashi, H.; Walter, F. M.; Wu, Z.-Y.; Zhou, X., A Possible Detection of Occultation by a Proto-planetary Clump in GM Cephei, 2012, *ApJ*, **751**, id. 118
14. Cvetkovic, Z., Pavlovic, R., Boeva, S., Damljanovic, G., CCD measurements of double and multiple stars at Rozhen NAO, 2012, *Bulg. Astr. J.*, **18(1)**, 56-61
15. Dechev, M., Tsvetkov, M., Local Network of the Plate Digitization Laboratory of the Institute of

Publications year: 2012

Astronomy with National astronomical Observatory, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 229-239

16. Dechev, M., Petrov, G., Atanassov, E., GRID Computing: Infrastructure, Development and Usage in Bulgaria, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 83-88

17. Dimitrov D.P., Kjurkchieva D.P., 2MASS J01074282+4845188: A new nova-like cataclysmic star with a deep eclipse, 2012, *New Astronomy*, **17**, 34-37

18. Dimitrov, D., Kyurkchieva, D., Testing of the new filter system of the 60-cm telescope as a beginning of Rozhen' H-alpha Stellar Survey (RHαSS), 2012, *Bulg. Astr. J.*, **18(3)**, 63-71

19. Dimitrov, D., Kjurkchieva, D., Radeva, V., Parameters of 20 newly detected eclipsing binaries from the Kepler database, 2012, *Bulg. Astr. J.*, **18(3)**, 81-96

20. Eglitis I., Cernis K., Kostov A., Vassileva L., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-K56

21. Galan, C., Mikolajewski, M., Tomov, T., Graczyk, D., Apostolovska, G., Barzova, I., Bellas-Velidis, I., Bilkina, B., Blake, R. M., Bolton, C. T., Bondar, A., Brat, L., Brozek, T., Budzisz, B., Cikala, M., Csak, B., Dapergolas, A., Dimitrov, D., Dobierski, P., Drahus, M., Drozd, M., Dvorak, S., Elder, L., Frcakowiak, S., Galazutdinov, G., Gazeas, K., Georgiev, L., Gere, B., Gozdziwski, K., Grinin, V. P., Gromadzki, M., Hajduk, M., Heras, T. A., Hopkins, J., Iliev, I., Janowski, J., Kocian, R., Kolaczowski, Z., Kolev, D., Kopacki, G., Krzesinski, J., Kucakova, H., Kuligowska, E., Kundera, T., Kurpi?ska-Winiarska, M., Kuzmich, A., Liakos, A., Lister, T. A., Maciejewski, G., Majcher, A., Majewska, A., Marrese, P. M., Michalska, G., Migaszewski, C., Miller, I., Munari, U., Musaev, F., Myers, G., Narwid, A., Nemeth, P., Niarchos, P., Niemczura, E., Ogloza, W., Ogmen, Y., Oksanen, A., Osiwala, J., Peneva, S., Pigulski, A., Popov, V., Pych, W., Pye, J., Ragan, E., Roukema, B. F., Rozanski, P. T., Semkov, E., Siwak, M., Staels, B., Stateva, I., Stempels, H. C., Steslicki, M., Swierczy?ski, E., Szymanski, T., Tomov, N., Waniak, W., Wieek, M., Winiarski, M., Wychudzki, P., Zajczyk, A., Zola, S., Zwitter, T., International observational campaigns of the last two eclipses in EE Cephei: 2003 and 2008/9, 2012, *A&A*, **544**, A53

22. Galan, C., Tomov, T., Mikolajewski, M., Swierczynski, E., Wychudzki, P., Bondar, A., Kolev, D., Brozek, T., Drozd, K., Ilkiewicz, K., Call for observations of the AZ Cas eclipse and periastron passage of 2012-2014, 2012, *IBVS*, 6027, 1-4

23. Gaur, H. Gupta, A. C., Strigachev, A., Bachev, R., Semkov, E., Wiita, P. J., Peneva, S., Boeva, S., Kacharov, N., Mihov, B., Ovcharov, E., Quasi?simultaneous two band optical rapid variability of the blazars 1ES 1959+650 and 1ES 2344+514, 2012, *MNRAS*, **420**, 3147–3162

24. Gaur, H., Gupta, A. C., Strigachev, A., Bachev, R., Semkov, E., Wiita, P. J., Peneva, S., Boeva, S., Slavcheva-Mihova, L., Mihov, B., Latev, G., Pandey, U. S., Optical Flux and Spectral Variability of Blazars, 2012, *MNRAS*, **425**, 3002-2023

25. Georgiev, Ts. B., Antov, A., Bachev, R., Boeva, S., Latev, G., Popov, V., Spassov, B., Stoyanov, K., Tsvetkova, S., Fractal morphology of the flickering of the cataclysmic variable KR Aur, 2012, *Bulg. Astr. J.*, **18(2)**, 36-62

26. Georgiev, Ts. B., Modified Fisher's criterion for detection of faint stellar variability, 2012 *Bulg.*

Publications year: 2012

Astr. J., **18(3)**, 97-102

27. Gupta, A. C., Krichbaum, T. P., Wiita, P. J., Rani, B., Sokolovsky, K. V., Mohan, P., Mangalam, A., Marchili, N., Fuhrmann, L., Agudo, I., Bach, U., Bachev, R., Bottcher, M., Gabanyi, K. E., Gaur, H., Hawkins, K., Kimeridze, G. N., Kurtanidze, O. M., Kurtanidze, S. O., Lee, C. -U., Liu, X., McBreen, B., Nesci, R., Nestoras, G. M., Nikolashvili, G. J., Ohlert¹, M., Palma, N., Peneva, S., Pursimo, T., Semkov, E., Strigachev, A., Webb, J. R., Wiesemeyer, H., Zensus, J. A., Multiwavelength intraday variability of the BL Lacertae S5 0716+714, 2012, *MNRAS*, **425**, 1357–1370
28. Hambaryan, V., Tsvetkov, M., Tsvetkova, K., Poghosyan, A., On a Possible Cyclic Activity of the Pleiades Flare Star II TAU, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 259-264
29. Henault-Brunet, V., Evans, C. J., Sana, H., Gieles, M., Bastian, N., Maiz Apellaniz, J., Markova, N., Taylor, W. D., Bressert, E., Crowther, P. A., van Loon, J. Th., The VLT-FLAMES Tarantula Survey. VII. A low velocity dispersion for the young massive cluster R136, 2012, *A&A*, **546**, A73
30. Henault-Brunet, V., Gieles, M., Evans, C. J., Sana, H., Bastian, N., Maiz Apellaniz, J., Taylor, W. D., Markova, N., Bressert, E., de Koter, A., van Loon, J. Th., The VLT-FLAMES Tarantula Survey. VI. Evidence for rotation of the young massive cluster R136, 2012, *A&A*, **545**, L1
31. Iliev, L.; Vennes, S.; Kawka, A.; Kubat, J.; Nemeth, P.; Borisov, G., Kraus, M., Spectroscopic study of the extremely fast rotating star 44 Geminorum, 2012, *Bulg. Astr. J.*, **18(1)**, 20-28
32. Iliev, L., Recent Spectral Observations of epsilon Aurigae in the near IR, 2012, IAU Symposium, 282, 95-96
33. Kawka, A. Pigulski, A., O'Toole, S., Vennes, S., Nemeth, P., Williams, A., Iliev, L., Kolaczowski, Z., Steslicki, I.: Binary properties of subdwarfs selected in the GALEX survey, 2012, *ASP Conference Series*, **452**, 121-128
34. Kirilova, D., BBN with Late Electron-Sterile Neutrino Oscillations: The Finest Leptometer, 2012, *J. Cosmol. Astropart. Phys.*, **06**, id. 007
35. Kirilova, D., Frere, J.-M., Neutrino in the Early Universe, 2012, *New Astronomy Reviews*, **56**, 169-180
36. Kirov, N., Tsvetkov, M., Tsvetkova, K., Kalaglarsky, D., Brashear Plate Catalogues in the Wide-Field Plate Database, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 147-152
37. Kjurkchieva, D. P., Dimitrov D. P., New Approach for Solution of the Planet Transit Problem, 2012, IAU Symposium, 282, 474-475
38. Kolev, V., Tsvetkova, K., Tsvetkov, M., Singular Value Decomposition of Images from Scanned Photographic Plates, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 187-200
39. Kolev, A., Kalaglarsky, D., Dimov, D., Tsvetkov, M., A Distributed Computer System Concept of the Astroinformatics Project, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 219-228
40. Koleva, K., Madjarska, M. S., Duchlev, P., Schrijver, C. J., Vial, J.-C., Buchlin, E., Dechev, M.,

Publications year: 2012

Kinematics and helicity evolution of a loop-like eruptive prominence, 2012, *A&A*, **540**, A127

41. Konstantinova-Antova, R., Aurière, M., Petit, P., Charbonnel, C., Tsvetkova, S., Lebre, A., Bogdanovski, R., Magnetic field structure in single late-type giants: the effectively single giant V390 Aurigae, 2012, *A&A*, **541**, A44

42. Kostov, A., Bilkina, B., Vassileva, L., Comet Observations [071 Rhozen], 2012, MPC, 77549, 1

43. Kostov, A., Bilkina, B., Vassileva, L., Minor Planet Observations [071 Rhozen], 2012, MPC, 77579, 6

44. Kostov, A., Vassileva, L., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-B23

45. Kostov, A., Vassileva, L., Comet Observations [071 Rhozen], 2012, MPC, 77875, 2

46. Kostov, A., Vassileva, L., Minor Planet Observations [071 Rhozen], 2012, MPC, 77922, 4

47. Kostov, A., Vassileva, L., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-D09

48. Kostov, A., Vassileva, L., Comet Observations [071 NAO Rhozen], 2012, MPC, 78277, 1

49. Kostov, A., Vassileva, L., Minor Planet Observations [071 NAO Rhozen], 2012, MPC, 78327, 3

50. Kostov, A., Vassileva, L., Comet Observations [071 NAO Rozhen], 2012, MPC, 79112, 3

51. Kostov, A., Vassileva, L., Minor Planet Observations [071 NAO Rozhen], 2012, MPC, 79140, 4

52. Kostov, A., Vassileva, L., Comet Observations [071 NAO Rozhen], 2012, MPC, 79431, 3

53. Kostov, A., Vassileva, L., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-N21

54. Kostov, A., Vassileva, L., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-O42

55. Kostov, A., Vassileva, L., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-O48K

56. Kostov, A., Vassileva, L., Comet Observations [071 NAO Rozhen], 2012, MPC, 79918, 1

57. Kostov, A., Vassileva, L., Minor Planet Observations [071 NAO Rozhen], 2012, MPC, 79971, 6

58. Kostov, A., Vassileva, L., Comet Observations [071 NAO Rozhen], 2012, MPC, 80062, 1

59. Kostov, A., Vassileva, L., Minor Planet Observations [071 NAO Rozhen], 2012, MPC, 80114, 4

60. Kostov, A., Vassileva, L., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-P31

61. Kostov, A., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-R16

62. Kostov, A., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-S31

63. Kostov, A., Comet Observations [071 NAO Rozhen], 2012, MPC, 80335, 2

Publications year: 2012

64. Kostov, A., Radeva, V., Vassileva, L., Minor Planet Observations [071 NAO Rozhen], 2012, MPC, 80453, 1
65. Kostov, A., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-T08
66. Kryszczyńska, A., Colas, F., Polinska, M., Hirsch, R., Ivanova, V., Apostolovska, G., Bilkina, B., Velichko, F. P., Kwiatkowski, T., Kankiewicz, P., Vachier, F., Umlenski, V., Michałowski, T., Marciniak, A., Maury, A., Kaminski, K., Fagas, M., Dimitrov, W., Borczyk, W., Sobkowiak, K., Lecacheux, J., Behrend, R., Klotz, A., Bernasconi, L., Crippa, R., Manzini, F., Poncy, R., Antonini, P., Oszkiewicz, D., Santana-Ros, T., Do Slivan states exist in the Flora family?. I. Photometric survey of the Flora region, 2012, *A&A*, **546**, A72
67. Kryszczyńska, A., Colas, F., Polinska, M., Hirsch, R., Ivanova, V., Apostolovska, G., Bilkina, B., Velichko, F. P., Kwiatkowski, T., Kankiewicz, P., Vachier, F., Umlenski, V., Michałowski, T., Marciniak, A., Maury, A., Kaminski, K., Fagas, M., Dimitrov, W., Borczyk, W., Sobkowiak, K., Lecacheux, J., Behrend, R., Klotz, A., Bernasconi, L., Crippa, R., Manzini, F., Poncy, R., Antonini, P., Oszkiewicz, D., Santana-Ros, T., Fingerprints of the Yarkovsky and YORP Effects in the Flora Family, 2012, Asteroids, Comets, Meteors 2012, Proc. of the conf. held May 16-20, 2012 in Niigata, Japan, No. 1667, id. 6314
68. Lehky, M., Kostov, A., et al., Observations and Orbits of Comets, 2012, MPEC, 2012-T73
69. Markov, H., Tsvetkov, M., Borisova, A., Petrov, N., WFPDB Development: Restoring Characteristic Curve from Digitized Images of Scanned Photographic Plates, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 201-208
70. Markov, H., Tsvetanov, Z., Iliev, I., Stateva, I., Markova, N., Characterizing new Eclipsing Binaries identified from STEREO photometry, 2012, IAU Symposium. 282, 335-336
71. Mihov B., Slavcheva-Mihova L., Intra-night optical monitoring of a sample of broad absorption line quasars: first results, 2012, *Bulg. Astr. J.*, **18(3)**, 14-17
72. Paunzen, E., Fraga, L., Heiter, U., Iliev, I., Kamp, I., Pintado, O., Spectroscopic binaries among Lambda Bootis type stars, 2012, IAU Symposium, 282, 333-334
73. Paunzen, E., Netopil, M., Rode-Paunzen, M., Handler, G., Bozic, H., Ruzdjak, D., Sudar, D., The Hvar survey for roAp stars. I. The survey observations, 2012, *A&A*, **542**, A89
74. Paunzen, E., Hermansson, L., Holmstrom, P., BVRI photometry of NGC 3231, NGC 7055, and NGC 7127, 2012, *A&A*, **542**, A68
75. Paunzen, E., Stutz, C., Baumann, B., Binary Systems Within Star Clusters, 2012, IAU Symposium, 282, 462-463
76. Paunzen, E., Heiter, U., Fraga, L., Pintado, O., HD 210111: a new ? Bootis-type spectroscopic binary system, 2012, *MNRAS*, **419**, 3604-3607
77. Pavlova, P., Duncheva, E., Koleva, K., Method for Tracking and Mapping a Motion Based on Images of the Solar Corona, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 325-329

Publications year: 2012

78. Peneva, S., Photometric studies of FU Orionis and EX Lupi type stars, 2012, *Bulg. Astr. J.*, **18(3)**, 103-104
79. Petrov, G., Dechev, M., BG GRID for Scientific Applications. Institute of Astronomy Applications, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 181-186
80. Petrov, G., 30 years studying of galaxies at Rozhen NAO, 2012, *Bulg. Astr. J.*, **18(1)**, 71-91
81. Petrov, G., Dennefeld, M., Hopp, U., Arakelian 144: A remarkable high surface brightness galaxy, 2012, *Bulg. Astr. J.*, **18(3)**, 23-31
82. Petrov, G., Dettmar, R.-J., Multicolour photometry of edge-on and box/peanut galaxies, 2012, *Bulg. Astr. J.*, **18(3)**, 32-40
83. Popov, V. N., Dimitrov, D. P., Experimental construction of a CCD-compatible astrophotograph at Rozhen NAO, 2012, *Bulg. Astr. J.*, **18(2)**, 93-98
84. Popov, V., Dimitrov, D., Kyurkchieva, D., Bonev, T., Petrov, N., Yaramov, K., Shukerov, G., Improvement of the low-dispersion spectroscopy at Rozhen NAO, 2012, *Bulg. Astr. J.*, **18(3)**, 72-80
85. Pribulla, T., Vanko, M., Ammler-von Eiff, M., Andreev, M., Aslanturk, A., Awadalla, N., Baludansky, D., Bonanno, A., Bozic, H., Catanzaro, G., Celik, L., Christopoulou, P. E., Covino, E., Cusano, F., Dimitrov, D., Dubovsky, P., Eigmueller, P., Esmer, E. M., Frasca, A., Hambalek, L., Hanna, M., Hanslmeier, A., Kalomeni, B., Kjurkchieva, D. P., Krushevska, V., Kudzej, I., Kundra, E., Kuznyetsova, Yu., Lee, J. W., Leitzinger, M., Maciejewski, G., Moldovan, D., Morais, M. H. M., Mugrauer, M., Neuhauser, R., Niedzielski, A., Odert, P., Ohlert, J., Ozavc?, I., Papageorgiou, A., Parimucha, S., Poddany, S., Pop, A., Raetz, M., Raetz, S., Romanyuk, Ya., Ruzdjak, D., Schulz, J., Senavc?, H. V., Srdoc, G., Szalai, T., Szekely, P., Sudar, D., Tezcan, C. T., Torun, M. E., Turcu, V., Vince, O., Zejda, M., The Dwarf project: Eclipsing binaries - precise clocks to discover exoplanets, 2012, *AN*, 333, 754-766
86. Samarasinha, N. H., Mueller, B. E. A., Hadamcik, E., Lin, Z. Y., Meech, K. J., Tozzi, G. P., Tricarico, P., Waniak, W., A'Hearn, M. F., Bonev, T., Borisov, G., Brucato, J. R., Drahus, M., Epifani, E. M., Farnham, T. L., Gersch, A., Hainaut, O. R., Ip, W. H., Lara, L. M., Levasseur-Regourd, A. C., Licandro, J., Patriarchi, P., Pittichova, J., Sen, A. K., Tanga, P., Thomas, P., *Coma Morphology and Rotational Dynamics of Comet 103P/Hartley 2 during the DIXI Encounter*, 2012, American Astronomical Society, DPS meeting 44, 506.03
87. Semkov, E., Peneva, S., Optical Photometry of GM Cep: Evidence for UXor Type of Variability, 2012, *Ap&SS*, **338**, 95-101
88. Semkov, E., Peneva, S., Munari, U., Tsvetkov, M., Jurdana-Sepic, R., de Miguel, E., Schwartz, R., Dimitrov, D., Kjurkchieva, D., Radeva, V., Optical photometric and spectral study of the new FU Orionis object V2493 Cygni (HBC 722), 2012, *A&A*, **542**, A43
89. Semkov, E. H., Peneva, S. P., VRC1c optical light curves of V1647 Ori during the continuing second outburst, 2012, *IBVS*, 6025, 1-4

Publications year: 2012

90. Semkov, E., Peneva, S., New optical rebrightening of the young eruptive object V2492 Cyg (IRAS 20496+4354), 2012, *ATel*, 4180
91. Shevchenko, V. G., Belskaya, I. N., Slyusarev, I. G., Krugly, Yu. N., Chiorny, V. G., Gaftonyuk, N. M., Donchev, Z., Ivanova, V., Ibrahimov, M. A., Ehgamberdiev, Sh. A., Molotov. I. E., Opposition effect of Trojan asteroids, 2012, *Icarus*, 217, 202–208.
92. Skopal, A., Shugarov, S., Vanko, M., Dubovsky, P., Peneva, S. P., Semkov, E., Wolf, M., Recent photometry of symbiotic stars – XIII, 2012, *AN*, 333, 242–255
93. Slavcheva-Mihova L., Mihov B., NPM1G -10.0586: an emission-line companion of the Seyfert galaxy Mrk 509, 2012, *Bulg. Astr. J.*, **18(2)**, 18-21
94. Slavcheva-Mihova L., Mihov B., Intra-night optical monitoring of a sample of X-ray/radio selected AGNs: first results, 2012, *Bulg. Astr. J.*, **18(3)**, 18-22
95. Slavcheva-Mihova, L. Detailed morphological characterization of selected Seyfert galaxies, 2012, *Bulg. Astr. J.*, **18(2)**, 88-92
96. Slavcheva-Mihova, L., Morphological characterization of selected Seyfert galaxies and comparative analysis with a sample of inactive galaxies, 2012, *Bulg. Astr. J.*, **18(2)**, 99-100
97. Stoyanov, K., Searching for optical flickering in 3 symbiotic stars, 2012, *Bulg. Astr. J.*, **18(2)**, 63-66
98. Stoyanov, K., Tidal interaction in high-mass X-ray binary and symbiotic stars, 2012, *Bulg. Astr. J.*, **18(2)**, 101-102
99. Stoyanov, K., Zamanov, R., Sokoloski, J. L., Optical flickering from the symbiotic star CH Cygni is still missing, 2012, *ATel*, 4316, 1
100. Stateva, I., Iliev, I. Kh., Budaj, J., Abundance analysis of Am binaries and search for tidally driven abundance anomalies – III. HD116657, HD138213, HD155375, HD159560, HD196544 and HD204188, 2012, *MNRAS*, **420**, 1207-1216
101. Stateva, I., Iliev, I., Budaj, J., Search for tidally driven anomalies in the atmospheres of Am stars, 2012, *IAU Symposium*, 282, 299-300
102. Stecklum B., Eglitis I., Cernis K., Kostov A., Vassileva L., et al., 2012 LT7 = 2009 MH1, 2012, *MPEC*, 2012-G45
103. Tomov, T., Wychudzki, P., Mikolajewski, M., Skalbania, A., Suchomska, K., Konorski, P., Ragan, E., Brozek, T., Drozd, K., Galan, C., Swierczynski, E., Dobierski, P., Gładkowski, M., Kolev, D., Iliev, I., Tomov, N., Stateva, I., Dimitrov, D., Markov, H., Dimitrov, W., Kaminski, K., Fagas, M., Zywuca, N., Bakowska, K., Kruszewski, A., Przybyszewska, A., Kurzawa, K., Janik, J., Epsilon Aurigae 2009-2011 eclipse observations, 2012, *Bulg. Astr. J.*, **18(1)**, 3-20
104. Tomov, N. A., Tomova, M. T., Bisikalo, D. V., Mass Ejection from the Symbiotic Prototype Z And during its 2006 Outburst, 2012, *Bal. Astr.*, 21, 112-122

Publications year: 2012

105. Tsvetkov, M., Tsvetkova, K., Wide-Field Plate Database: Latest Results, 2012, IAU Symposium, 285, 417-419
106. Tsvetkov, M., Wide-Field Plate Database: Development and Access Via Internet in the Period January 2009 - June 2010, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 25-40
107. Tsvetkov, M., The Wide-Field Plate Database: Development and Access via Internet, 2012, *Serdika J. Computing*, **6**, 1-12
108. Tsvetkova, S., Auriere, M., Konstantinova-Antova, R., Wade, G. A., Bogdanovski, R., Petit, P., Magnetic field and activity of the single late-type giant ? Ceti, 2012, *Bulg. Astr. J.*, **18(1)**, 28-40
109. Vereshchagin, S. V., Chupina, N. V., Osipenko, V. P., Dluzhnevskaya, O. B., Tsvetkov, M. K., The Zvenigorod Astronomical Plate Collection Presented in the Wide-Field Plate Database, 2012, *Publ. Astron. Society R. Boskovic*, **11**, 209-218
110. Waniak, W.; Borisov, G.; Drahus, M.; Boney, T., Rotation-stimulated structures in the CN and C3 comae of comet 103P/Hartley 2 close to the EPOXI encounter, 2012, *A&A*, **543**, A32
111. Zamanov, R. K., Latev, G. Y., Stoyanov, K. A., Boeva, S., Spasov, B., Tsvetkova, S. V., Simultaneous U BV RI observations of the cataclysmic variable AE Aquarii: Temperatures and masses of fireballs, 2012, *AN*, **333**, 736-743
112. Zamanov, R. K., Stoyanov, K. A., Rotation of red giants and white dwarfs in symbiotic stars, 2012, *Bulg. Astr. J.*, **18(3)**, 41-52
113. Zejda, M., Paunzen, E., Baumann, B., Mikulasek, Z., Liska, J., Catalogue of variable stars in open cluster fields, 2012, *A&A*, **548**, A97
114. Zhilyaev, B., Svyatogorov, O., Verlyuk, I., Andreev, M., Sergeev, A., Lovkaya, M., Antov, A., Konstantinova-Antova, R., Bogdanovski, R., Avgoloupis, S., Seiradakis, J., Contadakis, M. E., Synchronous network of distant telescopes, 2012, *Bulg. Astr. J.*, **18(1)**, 62-70
115. Zverko, J., Iliev, I. Kh., Romanyuk, I. I., Barzova, I., Kudryavtsev, D., Stateva, I. K., Semenko, E., Stars with discrepant vsini as derived from CaII3933 A and MgII4481 A lines. II. A multiple star HD90569, 2012, *Astron. Bull.*, **67**, 57
116. Ибрямов, С., Откриване на астероиди по Международната кампания Pan-STARRS, 2012, *Наука*, **1**, 43