

Списък с избрани публикации на гл. асистент Антония Вълчева

за участие в конкурс за “Доцент” по 4.1. Физически науки /Астрономия и астрофизика/

1. Публикации в международни списания с импакт фактор

- 1.1. Valcheva A., Ivanov V. D., Ovcharov E., Nedialkov P., "Carbon stars and C/M ratio in the WLM dwarf irregular galaxy", A&A, 2007, 466, 501
- 1.2. Raiteri C., Villata M., Larionov V.,..., Valcheva A. et al., "WEBT and XMM-Newton observations of 3C 454.3 during the post-outburst phase", A&A, 2007, 473, 819
- 1.3. Raiteri C., Villata M., Larionov V.,..., Ovcharov E.,..., Valcheva A. et al., "Radio-to-UV monitoring of AO 0235+164 by the WEBT and Swift during the 2006-2007 outburst", A&A, 2008, 480, 339
- 1.4. Raiteri C., Villata M., Chen W.,..., Ovcharov E.,..., Valcheva A. et al., "The high activity of 3C 454.3 in autumn 2007. Monitoring by the WEBT during the AGILE detection", A&A, 2008, 485, 17
- 1.5. Raiteri C., Villata M.,..., Latev G.,..., Ovcharov E.,..., Valcheva A., et al., "A new activity phase of the blazar 3C 454.3. Multifrequency observations by the WEBT and XMM-Newton in 2007-2008", A&A, 2008, 491, 755
- 1.6. Bachev R.; Grupe D.; Boeva S.; Ovcharov E.; Valcheva A.; Semkov E.; Georgiev Ts.; Gallo L. C., "Studying X-ray reprocessing and continuum variability in quasars: PG 1211+143", MNRAS, 2009, 399, 750
- 1.7. Raiteri C. M., ..., Ovcharov E., ..., Valcheva A. et al., "WEBT multiwavelength monitoring and XMM-Newton observations of BL Lacertae in 2007-2008. Unveiling different emission components", A&A, 2009, 507, 769
- 1.8. Böttcher M., ..., Ovcharov E.,..., Valcheva A. et al., "The Whole Earth Blazar Telescope Campaign on the Intermediate BL Lac Object 3C 66A in 2007-2008", ApJ, 2009, 694, 174
- 1.9. Rani B., Gupta A., ..., Ovcharov E., ..., Stoyanov K. and Valcheva A., "Short-term flux and colour variations in low-energy peaked blazars", MNRAS, 2010, 404, 1992
- 1.10. Bachev R.; Semkov E.; Strigachev A.; Mihov B.; Gupta A. C.; Peneva S.; Ovcharov E.; Valcheva A.; Lalova A. "Intranight variability of 3C 454.3 during its 2010 November outburst", A&A, 2011, 528, 10
- 1.11. Raiteri C, Villata M., ..., Ovcharov E., ..., Valcheva A. et al. "Variability of the blazar 4C 38.41 (B3 1633+382) from Ghz frequencies to GeV energies", 2012, A&A, 545, 48
- 1.12. Raiteri C, Villata M., ..., Ovcharov E., ..., Valcheva A. et al. "The awakening of BL Lacertae; observations by Fermi, Swift and the GASP- WEBT", 2013, MNRAS, 436, 1530
- 1.13. Valcheva A., Ovcharov E., Lalova A., Nedialkov P., Ivanov V., Carraro G. "Properties of the Young Milky Way Globular Cluster Whiting1 from Near-Infrared Photometry", 2015, MNRAS, 446, 730
- 1.14. Carnerero M. I., Raiteri C. M., Villata M., ..., Bozhilov V., Ovcharov E., Valcheva A. et al. "Multiwavelength behaviour of the blazar OJ 248 from radio to gamma-rays", 2015, MNRAS, 450, 2677

2. Доклади от международни научни конференции, публикувани в пълен текст в списания с импакт фактор:

2.1. Nedialkov P., Valcheva A., Ivanov V., Vanzi L. "**Dust properties of nearby disks: M31 case**", IAUS, 2009, 2544, 5

3. Публикации в реномирани национални списания

- 3.1. Valcheva A., Nedialkov P., Ivanov V. D., Vanzi L. "**Probing the M31 opacity through galaxies behind its disk**", 5th Bulgarian-Serbian Conference: "Astronomy and Space Science", 9-12 May, 2006, Sofia, Bulgaria, Bulg. J. Phys., 2007, 34 no. S2, 255
- 3.2. Nedialkov P., Valcheva A., Stanev I., Dimitrova P. "**Red supergiants and extinction law in the Large Magellanic Cloud galaxy**", 5th Bulgarian-Serbian Conference: "Astronomy and Space Science", 9-12 May, 2006, Sofia, Bulgaria, Bulg. J. Phys., 2007, 34 no. S2, 148
- 3.3. Valcheva A., Ovcharov E., Ivanov V., Nedialkov P., Stanev I. „**Long-term R-band monitoring of the z~0.8 QSO SDSS J075448.86+303355.1. First results**“, Bulg. Astron. J., 2009, 11, 71
- 3.4. Taneva N., Valcheva A., Ovcharov E., Nedialkov P. "**Mira Variables Masquerading as Novae in M31**", National conference "Four centuries modern astronomy", 21-23 October 2009, Smolyan, BlgAJ, 2010, 14, 54
- 3.5. Stanev I., Ovcharov E., Valcheva A., Nedialkov P. „**Photometry of Bright Objects in M31 bulge**“, National conference "Four centuries modern astronomy", 21-23 October 2009, Smolyan, Bulgaria, BlgAJ, 2010, 14, 49
- 3.6. Boeva S., Bachev R., Tsvetkova S., Stoyanov K., Zamanov R., Spassov B., Latev G., Petrov B., Donchev Z., Dimitrov D., Valcheva A., Georgiev Ts. "**Flickering amplitude of the cataclysmic variable star MV Lyrae in different states**", 2011, BlgAJ, 16, 23
- 3.7. Valcheva A., Ovcharov E., Karadzhev T., Nedialkov P. "**CYG OB2 association – stellar population and extinction**", Ann. Uni. Sof., 2012, 105, 5
- 3.8. Ovcharov E., Valcheva A., Nedialkov P. "**Novae search in M 31 with Rozhen NAO telescopes: June - December 2010**", 2012, BlgAJ, 18b, 67
- 3.9. Georgiev Ts. B., Nedialkov P., Ovcharov E., Valcheva A. "**On the mutual location of the nearby galaxies M31, M32 and M110**", 2015, BlgAJ, 23, 31G
- 3.10. Valcheva A., Markishki P., Minev M., Kostov A., Gantchev G., Ovcharov E., Nedialkov P. "**Recent upgrades and testing the optical system of the 35 cm telescope at the students astronomical observatory Plana**", 2017, Ann. Uni. Sof., 110, 1
- 3.11. Gantchev G., Valcheva A., Nedialkov P., Ovcharov E. "**Structural Function Analysis of Selected Luminous Blue Variables in the Local Group**", 2017, BlgAJ, 26, 16G
- 3.12. Valcheva A. & Boytchev N. "**Photometric study of novae in M31 galaxy**", 2018, Ann. Uni. Sof., 111, 1

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