

2011 m. VU TFAI VSTS publikacijų sąrašas

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1. J. Dalibard, F. Gerbier, G. Juzeliūnas and P. Öhberg, *Colloquium: Artificial gauge potentials for neutral atoms*, Rev. Mod. Phys. **83**, 1523 (2011); DOI:10.1103/RevModPhys.83.1523.
2. J. Ruseckas, G. Juzeliūnas and I. Zozoulenko, *Spectrum of π electrons in bilayer graphene nanoribbons and nanotubes: An analytical approach*, Phys. Rev. B **83**, 035403 (2011); DOI:10.1103/PhysRevB.83.035403.
3. J. Ruseckas, A. Mekys, and G. Juzeliūnas, *Slow polaritons with orbital angular momentum in atomic gases*, Phys. Rev. A **83**, 023812 (2011); DOI:10.1103/PhysRevA.83.023812.
4. J. Ruseckas, A. Mekys, and G. Juzeliūnas, *Optical vortices of slow light using a tripod scheme*, J. Opt. **13**, 064013 (2011); DOI:10.1088/2040-8978/13/6/064013.
5. J. Ruseckas, V. Kudriašov, and G. Juzeliūnas, *Photonic-band-gap properties for two-component slow light*, Phys. Rev. A **83**, 063811 (2011); DOI:10.1103/PhysRevA.83.063811.
6. J. Ruseckas and B. Kaulakys, *Tsallis distributions and 1/f noise from nonlinear stochastic differential equations*, Phys. Rev. E **84**, 051125 (2011); DOI:10.1103/PhysRevE.84.051125.
7. J. Ruseckas, B. Kaulakys and V. Gontis, *Herding model and 1/f noise*, EPL (Europhys. Lett.) **96**, 60007 (2011); DOI:10.1209/0295-5075/96/60007.
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9. D. L. Campbell, G. Juzeliūnas and I. B. Spielman, *Realistic Rashba and Dresselhaus spin-orbit coupling for neutral atoms*, Phys. Rev. A **84**, 025602 (2011); DOI:10.1103/PhysRevA.84.025602.
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11. V. Gineitytė, *Parallelism between charge redistribution and delocalization. Applications to organic reactions*, Lith. J. Phys. **51** (2), pp.107-126 (2011).
12. P. Serapinas, T. Ežerinskis, V. Juzikienė, *Effect of matrices with low second ionization potentials on analytical signals in inductively coupled plasma mass spectrometry*, J. Anal. At. Spectrom. **26** (10), 1997 – 2005 (2011); DOI: 10.1039/C1JA10020C.
13. A. Vektarienė, G. Vektaris, *Ab initio Computational Insight into the Interaction of Alkyl-substituted Ethene and Sulfenyl Halide*, Z.Naturforsch. **66B** 850 (2011).
14. R. Jančienė, A. Vektarienė, Z. Stumbrevičiūtė, B. Puodžiūnaitė, *Experimental and theoretical investigation of substituent effects in a two-pathway reaction of tetrahydro-1,5-benzodiazepine-2-thiones with 4-substituted 2-bromoacetophenones*, Monatsh Chem. **142** 609 (2011); DOI: 10.1002/chin.201138170.
15. A. Puzas, V. Remeikis, P. Serapinas, T. Ezerinskis, A. Plukis, G. Duškesas. *Mass spectrometric determination of impurities in reactor core graphite for radioactive waste composition modelling*, Lithuanian Journal of Physics **50** (4), 445-449 (2010) (Nebuvo 2010 m. ataskaitoje).
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18. M. Alaburda and B. Kaulakys, *Simulation of bursting, rare and extreme events by nonlinear stochastic differential equations*, JDySES **2** (2), p. 175–182 (2011); <http://dyses.org.ar>.
19. V. Daniunas, V. Gontis, A. Kononovicius, *Agent-based Versus Macroscopic Modeling of Competition and Business Processes in Economics*, ICCGI 2011 : The Sixth International Multi-Conference on Computing in the Global Information Technology, 2011, p. 84-88. http://www.thinkmind.org/download.php?articleid=iccg_i_2011_4_40_10188.
20. G. Juzeliūnas, J. Ruseckas, D. L. Campbell and I. B. Spielman, *Engineering Dresselhaus spin-orbit coupling for cold atoms in a double tripod configuration*, Proc. SPIE 7950, 79500M (2011); [doi:10.1117/12.874137](https://doi.org/10.1117/12.874137).
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