

2010 m. VU TFAI VSTS publikacijų sąrašas

Straipsniai ISI žurnaluose:

1. B. Kaulakys and M. Alaburda, *Modeling scaled processes and $1/f^\beta$ noise using nonlinear stochastic differential equations*, J. Stat. Mech. P02051 (2009); [doi:10.1088/1742-5468/2009/02/P02051](https://doi.org/10.1088/1742-5468/2009/02/P02051); [PDF](#).
2. B. Kaulakys, M. Alaburda, V. Gontis, and J. Ruseckas, *Modeling long-memory processes by stochastic difference equations and superstatistical approach*, Brazilian Journal of Physics **39** (2A), p. 453-456 (2009); [PDF](#).
3. B. Kaulakys, M. Alaburda and V. Gontis, *Modeling scaled processes and clustering of events by the nonlinear stochastic differential equations*, AIP Conf. Proc. **1129**, p. 13-16 (2009); [PDF](#); [doi:10.1063/1.3140414](https://doi.org/10.1063/1.3140414).
4. V. Gontis, B. Kaulakys and J. Ruseckas, *Nonlinear stochastic differential equation as the background of financial fluctuations*, AIP Conf. Proc. **1129**, p. 563-566 (2009); [PDF](#); [doi:10.1063/1.3140536](https://doi.org/10.1063/1.3140536).
5. V. Gontis, J. Ruseckas and A. Kononovičius, *A long-range memory stochastic model of the return in financial markets*, Physica A **389**, p. 100–106 (2010); [PDF](#); [doi:10.1016/j.physa.2009.09.011](https://doi.org/10.1016/j.physa.2009.09.011).
6. P. Serapinas, J. Šalkauskas, Ž. Ežerinskis, A. Acus, *Local thermodynamic equilibrium modeling of ionization of impurities in argon inductively coupled plasma*, Spectrochim. Acta Part B **65**, 15-23 (2010); doi: 10.1016/j.sab.2009.10.008.
7. J. Grigas; E. Talik; V. Lazauskas; Yu. M. Vysochanskii; R. Yevych; M. Adamiec; V. Nelkinas, *XPS of Electronic Structure of Ferroelectric $\text{Sn}_2\text{P}_2\text{S}_6$ Crystals*, Ferroelectrics, Volume **378**, 70 – 78 (2009).
8. A.Vektariene, G. Vektaris, J. Svoboda, *A theoretical approach to the nucleophilic behavior of benzofused thieno[3,2-b]furans using DFT and HF based reactivity descriptors*, ARKIVOC, T. 7 (2009) p. 311-329, (Svorio indeksas 1,377)
9. R.Jančienė Regina, Z.Stumbrevičiūtė, A.Vektarienė, L.Kosychova, K.A.Klimavičius, A.Palaima, B.D.Puodžiūnaitė, *Synthesis of novel annelated systems based on the interaction and reactivity estimation of amino-1,5-benzodiazepin-2-ones with dimethyl-2-oxoglutaconate*, Journal of heterocyclic chemistry. Vol. **46**, iss. 6 (2009) p. 1339-1345. (Svorio indeksas 0,899).
10. V. Gineitytė, *A Common Selection Rule for Organic Reactions in Terms of Signs of Direct and Indirect Interorbital Interactions*, Z. Naturforsch **64a**, pp. 132 – 148 (2009) (apžvalginis straipsnis); [PDF](#).
11. V.Gineityte, Terms representing the reorganization of bonding within charge- bond order matrices of reacting molecules, Intern. J. Quant. Chem., (Published Online: Oct 6 2009 10:16AM), DOI: 10.1002/qua.22237
12. V.Gineityte, Addition of nucleophile to bent bonds of the carbonyl group, Lith. J. Phys. **49**, (2009).

Kituose leidiniuose:

13. G. Juzeliūnas, Artificial magnetism for ultracold atoms, Physics **2**, 25 (2009).
14. Vektarienė Aušra, Jančienė Regina *The DFT reactivity estimation of amino-1,5-benzodiazepin-2-ones in the cyclization reaction with dimethyl-2-oxoglutaconate* The 13th international electronic conference on synthetic organic chemistry (ECSOC-13) :[1-30 November 2009, Spain]. 2009 P. 1-13. (Įtrauktas į MT patvirtinta duomenų bazę CAplus).
15. Vektarienė Aušra, Vektaris Gytis, *A theoretical studies on the methylsulfenylchloride addition to the propene* The 13th Intern. Electronic Confer. on synthetic organic chemistry (ECSOC-13) : [1-30 November 2009, Spain].2009 P. 1-18. (Įtrauktas į MT patvirtinta duomenų bazę CAplus).
16. Aleknavičienė P., Jarienė E., Serapinas P. Topinambų (*Helianthus tuberosus* L.) gumbų kokybės rodiklių palyginimas. / „Žmogaus ir gamtos sauga“: tarptautinės mokslinės- praktinės konferencijos medžiaga. Akademija (Kauno r.). ISSN 1822- 1823, 2008. (1), 95-99 p. (pernai nepristatytas).