

Vilniaus universiteto Teorinės fizikos ir astronomijos instituto 2008 m. publikacijų

S A R A Š A S

Knygos ir leidiniai

1. Lietuvos dangus 2009 (ats. red. G. Tautvaišienė) 175 psl., ISSN 1392-0987.
2. Fizikų žinios, Nr. 34, 35 (2008).
3. Baltic Astronomy **17**, Nr. 1-4 (2008).
4. Observational Stellar Astrophysics, Eds. E.G. Meištas, J.-E. Solheim. Vilnius, 2008, 129 p.

Straipsniai ISI sąrašo leidiniuose

1. P. Bogdanovich and P. Ščiajev, Estimation of LS-coupling validity within configuration interaction approach, Lithuanian J. Phys. **48**, 17-23 (2008).
2. A. Kupliauskienė, K. Glemža, and K.-N. Huang, Fluorescence of polarized atoms ionized by polarized electrons, Lithuanian J. Phys. **48**, 25-33 (2008).
3. A. Audzijonis, G. Gaigalas, L. Žigas, A. Pauliukas, R. Žaltauskas, A. Kvedaravičius, and A. Čerškus, Investigation of the electronic structure of the BiSBr and BiSeBr clusters by density functional method, J. Electron Spectrosc. Related Phenom. **162**, 13-18 (2008).
4. A. Kupliauskienė, V. Tutlys, and K.-N. Huang, Properties of Auger electrons following ionization of polarized atoms by polarized electrons, Lithuanian J. Phys. **48**, 49-58 (2008).
5. A. Borovik and A. Kupliauskiene, On cascade transitions between autoionizing doublet levels in sodium, Phys. Scripta **77**, 055301 (4pp) (2008).
6. V. Balevicius, Z. Gdaniec, J. Tamuliene, and H. Fuess, NMR and quantum chemistry study of mesoscopic structuring in 3-methylpyridine/water/NaBr mixture in the vicinity of the phase separation boundary. Phase Transitions **81**, 293-301 (2008).
7. K.M. Aggarwal, K. Hamada, A. Igarashi, V. Jonauskas, F.P. Keenan, and S. Nakazaki, Radiative rates and electron impact excitation rates for H-like Fe XXVI. Astron. Astrophys. **484**, 879-885 (2008).
8. K.M. Aggarwal, K. Hamada, A. Igarashi, V. Jonauskas, F.P. Keenan, and S. Nakazaki, Radiative rates and electron impact excitation rates for H-like Ar XVIII. Astron. Astrophys. **487**, 383-388 (2008).
9. A. Audzijonis, G. Gaigalas, L. Žigas, A. Pauliukas, A. Čerškus, A. Balnionis, and A. Kvedaravičius, Electronic structure BiSeI clusters. J. Electron Spectrosc. Related Phenom. **164**, 19-23 (2008).
10. P. Bogdanovich and R. Karpuškienė, *Ab initio* oscillator strengths and transition probabilities in Cr XVII, ADNDT **94**, 623-649 (2008).
11. A. Bernotas, V. Šimonis, Mixing of heavy baryons in the bag model calculations, Lithuanian J. Phys. **48**, 127-132 (2008).
12. P. Bogdanovich and A. Rancova, Quasirelativistic approach for *ab initio* study of highly charged ions, Phys. Scripta **78**, 045301(9pp) (2008).
13. V. Jonauskas, R. Karazija, and S. Kučas, The essential role of many-electron Auger transitions in the cascades following the photoionization of 3p and 3d shells of Kr, J. Phys. B: At. Mol. Opt. Phys. **41**, 215005 (5pp) (2008).

14. A. Kynienė, V. Jonauskas, S. Kučas, and R. Karazija, On the existence of dipole satellites in the region of $M_{2,3}$ – $L_{2,3}$ non-dipole emission lines for transition elements, *Lithuanian J. Phys.* **48**, 219-224 (2008).
15. A. Audzijonis, G. Gaigalas, L. Žigas, A. Pauliukas, B. Šalkus, R. Žaltauskas, A. Kvedaravičius, A. Čerškus, and J. Narušis, Investigation of the electron structure of the SbSeBr cluster, *Centr. Eur. J. Phys.* **6**, 415-421 (2008).
16. R. Karazija and A. Momkauskaitė, Some peculiarities of the energy level, photoelectron and photoexcitation spectra, *Phys. Scripta* **78**, 065301 (6pp) (2008).
17. A. Audzijonis, G. Gaigalas, L. Žigas, R. Sereika, A. Čerškus, A. Pauliukas, and R. Žaltauskas, Investigation of the vibrational spectra of a $SbSI(Sb_2S_3)_{0,15}$ crystals in harmonic and anharmonic approximations, *Ferroelectrics* **377**, 22-35 (2008).
18. A. Tamulis, Quantum mechanical control of artificial minimal living cells, *NeuroQuantology*, **6**, 311-322 (2008).
19. A. Acus, E. Norvaišas, and D.O. Riska, Nuclei as superposition of topological solitons, *Int. J. Modern Phys. E, Nucl. Phys.* ISSN0218-3013, **17**(1), 212-216 (2008).
20. P. Serapinas, Ž. Ežerinskis, and A. Acus, Quantification of pattern recognition quality by multivariate normal distribution functions, *Lithuanian J. Phys.* ISSN1648-8504 **48**(3), 209-217 (2008).
21. K. Langanke, G. Martínez-Pinedo, B. Müller, H.-Th. Janka, A. Marek, W.R. Hix, A. Juodagalvis, and J.M. Sampaio, Effects of Inelastic Neutrino-Nucleus Scattering on Supernova Dynamics and Radiated Neutrino Spectra, *Phys. Rev. Lett.* **100**, 011101-011104 (2008).
22. A. Juodagalvis, J.M. Sampaio, K. Langanke, and W.R. Hix, Extended pool of electron-capture rates for core-collapse supernovae simulations. *J. Phys. G: Part. Nucl. Phys.* **35**, 014031-014036 (2008).
23. A. Deveikis and A. Juodagalvis, A Computer Program for Two-particle Generalized Coefficients of Fractional Parentage. *Comput. Phys. Commun.* **179**, 607-613 (2008).
24. D. Jurčiukonis and E. Norvaišas, $SO(3)$ rational map soliton in quantum $SU(3)$ Skyrme model. *Lithuanian J. Phys.* ISSN1648-8504, **48**(4), 305-312 (2008).
25. D. Jurčiukonis and E. Norvaišas, Noncanonical embedded rational map soliton in quantum $SU(3)$ Skyrme model. *J. Phys.: Conference Series*, **128**, 012007, (2008).
26. G. Juzeliūnas, J. Ruseckas, A. Jacob, L. Santos, and P. Öhberg, Double and Negative Reflection of Cold Atoms in Non-Abelian Gauge Potentials, *Phys. Rev. Lett.* **100**, 200405 (2008).
27. M. Cheneau, S.P. Rath, T. Yefsah, K.J. Günter, G. Juzeliūnas, and J. Dalibard, Geometric potentials in quantum optics: A semi-classical interpretation, *Europhys. Lett.* **83**, 60001 (2008).
28. M. Merkl, F.E. Zimmer, G. Juzeliūnas, and P. Öhberg, Atomic Zitterbewegung, *Europhys. Lett.* **83**, 54002 (2008).
29. G. Juzeliūnas, J. Ruseckas, M. Lindberg, L. Santos, and P. Öhberg, Quasirelativistic behavior of cold atoms in light fields, *Phys. Rev. A* **77**, 011802(R) (2008).
30. A. Jacob, P. Öhberg, G. Juzeliūnas and L. Santos, Landau levels of cold atoms in non-Abelian gauge fields, *New J. Phys.* **10**, 045022 (2008).

31. Y. Vaishnav, J. Ruseckas, C.W. Clark, and G. Juzeliunas, Spin field effect transistors with ultracold atoms, *Phys. Rev. Lett.* **101**, 265302 (2008).
32. V. Gontis, B. Kaulakys, and J. Ruseckas, Trading activity as driven Poisson process: Comparison with empirical data, *Physica A* **387**(15), 3891 (2008).
33. R. Janciene, Z. Stumbreviciute, A. Vektariene, L. Kosychova, R. Sirutkaitis, A. Palaima, Z. Staniulyte, and B.D. Puodziunaite, Researches on Thiazolobenzodiazepines. Behavior of Tetrahydro-1,5-benzodiazepinethiones with Aromatic \square -Halogen Ketones, *Heteroatom Chem.* **19**(1), 72-81 (2008).
34. V. Gineityte, A simple topological factor determining the allowance of pericyclic reactions, *Int. J. Quantum Chem.* **108**, 1141-1154 (2008).
35. V. Gineityte, Rules governing the effects of substituents upon alternant conjugated hydrocarbons, *Croatica Chem. Acta* **N3** (2008).
36. P. Serapinas, P.R. Venskutonis, V. Aninkevičius, Ž. Ežerinskis, A. Galdikas, and V. Juzikiene, Step by step approach to multi-element data analysis in testing the provenance of wines, *Food Chem.* **107**, 1652–1660 (2008). doi: 10.1016/j.foodchem.2007.09.003.
37. J. Grigas, E. Talik, V. Lazauskas, Yu.M. Vysochanskii, R. Yevych, M. Adamiec, and V. Nelkinas, XPS and electronic structure of ferroelectric $\text{Sn}_2\text{P}_2\text{S}_6$ crystals, *Lithuanian J. Phys.* **48**(2), 145-154 (2008).
38. J. Grigas, E. Talik, V. Lazauskas, Yu.M. Vysochanskii, R. Yevych, M. Adamiec, and V. Nelkinas, X-ray photoelectron spectroscopy of $\text{Sn}_2\text{P}_2\text{S}_6$ crystals, *Condensed Matter Phys.* **11**(3), 473.482 (2008).
39. J.E.S. Costa, S.O. Kepler, D.E. Winget, M.S. O'Brien, S.D. Kawaler, A.F.M. Costa, O. Giovannini, A. Kanaan, A.S. Mukadam, F. Mullally, A. Nitta, J.L. Provençal, H. Shipman, M.A. Wood, T.J. Ahrens, A. Grauer, M. Kilic, P.A. Bradley, K. Sekiguchi, R. Crowe, X.J. Jiang, D. Sullivan, T. Sullivan, R. Rosen, J.C. Clemens, R. Janulis, D. O'Donoghue, W. Ogloza, A. Baran, R. Silvotti, S. Marinoni, G. Marinoni, N. Dolez, M. Chevreton, S. Dreizler, S. Schuh, J. Deetjen, T. Nagel, J.-E. Solheim, J.M. Gonzalez Perez,; A. Ulla, Martin Barstow, M. Burleigh, S. Good, T.S. Metcalfe, S.-L. Kim, H. Lee, A. Sergeev, M.C. Akan, Ö. Çakirli, M. Paparo, G. Viraghalmy, B.N. Ashoka, G. Handler, Özlem Hürkal, F. Johannessen, S.J. Kleinman, R. Kalytis, J. Krzesinski, E. Klumpe, J. Larrison, T. Lawrence, E. Meištas, P. Martinez, R.E. Nather, J.-N. Fu,; E. Pakštienė, R. Rosen, E. Romero-Colmenero, R. Riddle, S. Seetha, N.M. Silvestri, M. Vučković, B. Warner, S. Zola, L.G. Althaus, A.H. Córscico, and M.H. Montgomery, The pulsation modes of the pre-white dwarf PG 1159-035, *Astron. Astrophys.* **477**, 627-640 (2008).
40. V. Straižys and V. Laugalys, “Young stars in the Camelopardalis dust and molecular clouds. III. The GL 490 region, *Baltic Astronomy* **17**, p. 1-19, 2008.
41. C.J. Corbally and V. Straižys, Young stars in the Camelopardalis dust and molecular clouds. IV. Spectral observations of the suspected YSOs, *Baltic Astronomy* **17**, 21-37 (2008).
42. A. Bartkevičius, R.P. Boyle, and J. Sperauskas, High velocity spectroscopic binary orbits from photoelectric radial velocities: a triple system BD+39 182, *Baltic Astronomy* **17**, 103-111 (2008).
43. V. Straižys, J. Sperauskas, and R.P. Boyle, Orbit of the spectroscopic binary HD 107346 containing a very hot component, *Baltic Astronomy* **17**, 113-121 (2008).

44. V. Straižys, C.J. Corbally, and V. Laugalys, 2MASS two-color interstellar reddening line in the direction of the North America and Pelican nebulae and the Cyg OB2 association, *Baltic Astronomy* **17**, 125-142 (2008).
45. V. Straižys and V. Laugalys, O-like stars in the direction of the North America and Pelican nebulae, *Baltic Astronomy* **17**, 143-159 (2008).
46. K. Zdanavičius, J. Zdanavičius, V. Straižys, and A. Kotovas, Photometry and classification of stars around the reflection nebula NGC 7023 in Cepheus. I. A catalog of magnitudes, color indices and spectral types of 1240 stars, *Baltic Astronomy* **17**, 161-194 (2008).
47. A. Bartkevičius, Empirical relation between the semi-major axes and the angular separations for visual binary stellar systems, *Baltic Astronomy* **17**, 209-221 (2008).
48. K. Černis, J. Zdanavičius, and K. Zdanavičius, I. Włodarczyk, Discovery, observational data and the orbit of the Aten group asteroid 2006 SF77, *Baltic Astronomy* **17**, 235-249 (2008).
49. V. Straižys and V. Laugalys, 2MASS two-color interstellar reddening lines in the inner Galaxy, *Baltic Astronomy* **17**, 253 (2008).
50. V. Straižys and R. Lazauskaitė, 2MASS two-color interstellar reddening lines: the band-width effect, *Baltic Astronomy* **17** (2008).
51. J. Zdanavičius, A. Palevičius, T. Tamulevičius, and K. Zdanavičius, On the transmission nonuniformity of the large interference filters, *Baltic Astronomy* **17**, (2008).
52. A. Kučinskas, V. Dobrovolskas, R. Lazauskaitė, L. Lindegren, and T. Tanabe, Magnitude and color transformations between SIRIUS and 2MASS photometric systems, *Baltic Astronomy* **17**, (2008).
53. J.L. Provencal, M.H. Montgomery, K.A. Kanaan, H.L. Shipman, D. Childers, A. Baran, S.O. Kepler, M. Reed, A. Zhou, J. Eggen, T.K. Watson, D.E. Winge t, S.E. Thompson, B. Riaz, A. Nitta, S.J. Kleinman, R. Crowe, J. Slivkoff, P. S herard, N. Purves, P. Binder, R. Knight, S.-L. Kim, Wen-Ping Chen, M. Yang, H. C. Lin, C.C. Lin, C.W. Chen, X.J. Jiang, A.V. Sergeev, D. Mkrtychian, E. Janiashvili, M. Andreev, R. Janulis, M. Siwak, S. Zola, D. Koziel, G. Stachowski, M. Paparo, Zs. Bognar, G. Handler, D. Lorenz, B. Steininger, P. Beck, T. Nagel, D. Kusterer, A. Hoffman, E. Reiff, R. Kowalski, G. Vauclair, S. Charpinet, M. Chevreton, J.-E. Solheim, E. Pakstiene, L. Fraga, and J. Dalessio, 2006 Whole Earth Telescope Observations of GD358: A New Look at the Prototype DBV, *Astronomy and Astrophysics*, 2008 (spausdinamas).
54. H.-G. Ludwig, E. Caffau, and A. Kučinskas, Radiation-hydrodynamics simulations of surface convection in low-mass stars: connections to stellar structure and asteroseismology, in: *Proc. IAU Symp.* **252** (Cambridge Univ. Press, 2008) pp. 75–81.
55. A. Kučinskas, H.-G. Ludwig, A. Ivanauskas, and E. Caffau, Observed properties of late-type giants predicted by 3D hydrodynamical and classical 1D stellar atmosphere models, in: *Proc. IAU Symp.* **254** (Cambridge Univ. Press, 2008) pp.
56. A. Kučinskas, V. Dobrovolskas, A. Černiauskas, and T. Tanabe, A new photometric metallicity calibration and metallicities of star clusters in the Magellanic Clouds, in: *Proc. IAU Symp.* **254** (Cambridge Univ. Press, 2008) pp.

57. A. Kučinskas, V. Dobrovolskas, A. Černiauskas, and T. Tanabe, Photometric metallicities of star clusters in the Large Magellanic Cloud, in: Proc. IAU Symp. **256** (Cambridge Univ. Press, 2008).
58. G. Tautvaišienė and E. Puzeras, Red clump stars in the Galactic field, in: Proc. IAU Symp. **254** (Cambridge Univ. Press, 2008).
59. M. Spite, J.D. Landstreet, M. Asplund, T.R. Ayres, S.C. Balachandran, D. Dravins, P.H. Hauschildt, D. Kiselman, K.N. Nagendra, C. Sneden, Tautvaišienė G. Tautvaišienė, and K. Warner, Commission 36: Theory of stellar atmospheres, Transactions IAU **1**, Issue T26, 160-161 (2008).

Straipsniai kituose leidiniuose

1. A. Tamulis, V. Tamulis, H. Ziock, and S. Rasmussen, Influence of water and fatty acid molecules on quantum photoinduced electron tunnelling in photosynthetic systems of PNA based self-assembled protocells, chapter #2 in book "Multiscale simulation methods for nanomaterials", Ed. Richard B. Ross and Sanat Mohanty, John Wiley & Sons, Inc., New Jersey, ISBN: 978-0-470-10528-3, 304 pages, January 2008. <http://eu.wiley.com/WileyCDA/WileyTitle/productCd-0470105283.html>
2. A. Tamulis and V. Tamulis, Quantum mechanical design of molecular electronics OR gate for regulation of minimal cell functions, J. Comput. Theor. Nanoscience **5**, 545-553 (2008).
3. J. Tamulienė, G. Badenes, R. Vaišnoras, M. Balevičius and L. Rasteniene, Study of single of Co_n ($n=6,8,10,12$) nanoparticles structure, nano-design, technology, computer simulations (NDTCS '08), Proceedings of 12th International Workshop on New Approaches to High-Tech, Minsk, Belarus, 40-44 (2008).
4. A. Tamulis, Quantum self-assembly of artificial minimal living cells and molecular electronic control. Viva Origino **36**, 1019 (2008).
5. J. Li, G. Gaigalas, and C. Dong, Electron correlation effects on the hyperfine induced $^{47}\text{Ti}^{18+}$ ($2s2p\ ^3P_0 \rightarrow 2s2\ ^1S_0$) transition probabilities, Proceedings of Japan-China joint seminar on atomic and molecular processes in plasma, Oct. 8-12, 2007, Dunhuang, China, 168-173 (2008).
6. S. Bekešienė, V. Kleiza, and J. Tamulienė. Theoretical study on the molecular structures of nitrophenols and trinitrophenols. Proceedings of the 3rd international workshop "Intelligent Technologies in Logistics and Mechatronics Systems" ITELMS'2008, Kaunas, Technologija, 2008, p. 7-12.
7. J. Tamulienė, R. Vaišnoras, G. Badenes, and L.M. Balevičius. Co_6O_m ($m=1\dots7$) nanoparticles geometric and electronic structure changes within increasing of oxygen number. Proceedings of the 3rd international workshop "Intelligent Technologies in Logistics and Mechatronics Systems" ITELMS'2008, Kaunas, Technologija, 2008, p. 103-106.
8. J. Tamulienė, G. Badenes, and R. Vaisnoras. Liquid dendrimer applying to catch and keep co-nanoparticles. Science and supercomputing in Europe, HCP-Europa (High Performance Computing), Ed. P. Alberigo, G. Erbacher, F. Garafalo, S. Monfardini, 1095-1105 (2007), ISBN 978-88-86037-21-1.
9. J. Tamulienė, R. Vaišnoras, G. Badenes, and L.M. Balevičius. Investigation of optical properties of azo-dendrimers. Int. conf. radiation interaction with material and its use in technologies 2008, Program and materials, Kaunas, Technologija, 271-273 (2008).

10. A. Tamulis. Quantum mechanical interpretation of the origin of life. *Mokslas Gamtos mokslų fakultete, Penktosios mokslinės konferencijos pranešimai, Vilniaus universiteto leidykla*, 2008, p.7-19.
11. S. Rasmussen, J. Bailey, J. Boncella, L. Chen, G. Collis, S. Colgate, M. DeClue, H. Fellermann, G. Goranovic, Yi Jiang, C. Knutson, P.-A. Monnard, F. Mouffouk, P.E. Nielsen, A. Sen, A. Shreve, A. Tamulis, B. Travis, P. Weronski, W.H. Woodruff, J. Zhang, X. Zhou, and H. Ziock, Assembly of a minimal protocol, in: MIT Press book, *Protocells: Bridging nonliving and living matter*, Eds. S. Rasmussen, M.A. Bedau, L. Chen, D.C. Krakauer, D. Deamer, N.H. Packard, and P.F. Stadler, p. 125-156, 2008.
12. L. Klimka ir R. Kivilšienė, Panevėžio pijorų mokykla XIX a. pirmojoje pusėje // *Iš Panevėžio praeities: švietimo istorijos puslapiai*, 8-18 (2008).
13. K. Paulikas, J. Tamulienė, R. Vaišnoras, G. Badenes ir L.M. Balevičius. Dendrimerų molekulių ertmių prigimties nustatymas naudojant GRID'ą. *Jaunųjų mokslininkų darbai, Šiauliai, VŠĮ Šiaulių universiteto leidykla*, 194-201 (2008).
14. G. Gaigalas, E. Gaidamauskas, and P. Jonsson, Multiconfiguration Dirac-Hatree-Fock calculations for the hyperfine-structure parameters and the scalar-pseudoscalar interaction constant of ^{133}Cs , *J. Phys: Conf. Series* **130**, 012008 (2008).
15. V. Daniūnas, V. Gontis, A. Acus, V. Fokas, and G. Valiauga. Web based interactive models for science education and collaboration. 7th European conference on e-learning hosted by the University of Cyprus, 5-6 November 2008 / ed. by Roy Williams. *Kidmore End: Academic conferences international*, 280-289 (2008).
16. A. Vektariene, G. Vektaris, and J. Svoboda. Theoretical study of the mechanism of thieno[3,2-b]benzofuran bromination. *ECSOC-12*, 2008, g-0013, 9 p.
17. V. Daniūnas and V. Gontis. Interactive computer models for education and distance learning at internet portal *mokslasplus.lt (scienceplus)*, DIVAI 2008, Proc. int. conf. „Distance Learning and Applied Informatics“, Nitra, May 28-29, 2008, p. 143-14.
18. G. Juzeliūnas and P. Öhberg, Optical Manipulation of Ultracold Atoms, in: *Structured Light and its Applications*, ed. D.L. Andrews (Elsevier, Amsterdam, 2008), pp. 295-333.
19. P. Serapinas, Saugių ir ekologiškų maisto žaliavų kokybės sandai. *Str. rinkinys J. Pekarskas, E. Jarienė, H. Danilčenko, A. Paulauskienė, Ž. Tarasevičienė, P. Serapinas, „Saugių ir ekologiškų maisto medžiagų technologijos“, Akademija*, 2008, p. 103-115.
20. K. Černis, Visual observations of comets: 8P/Tuttle and 17P/Holmes, *Int. Comet Quarterly* **30**(1), 47-49 (2008).
21. K. Černis, Visual observations of periodic comet: 17P/ Holmes, *Int. Comet Quarterly* **30** (2), 81-107, 2008.
22. K. Černis, Astrometric observations of comet 17P/Holmes (20 positions) in *Moletai Astronomical Observatory (Code 152)*, M.P.C. 61613, 2008.
23. I. Eglitis and K. Černis, Astrometric observations of 14 asteroids (45 positions) and discovery of 2 asteroids (2008 AK86 and 2008 AL86) in *Baldone Astrophysical Observatory (Code 069)*, M.P.C. 61686, 2008.
24. K. Černis, Astrometric observations of 59 asteroids (247 positions) and discovery of new asteroid 2007 VR302 in *Moletai Astronomical Observatory (Code 152)*, M.P.C. 61687, 2008.

25. I. Eglitis and K. Černis, Astrometric observations of 23 asteroids (62 positions) and discovery of 4 asteroids (2008 AU101, 2008 AV101, 2008 AW101 and 2008 CR10) in Baldone Astrophysical Observatory (Code 069), M.P.C. 61979, 2008.
26. K. Černis, Astrometric observations of 65 asteroids (214 positions) in Moletai Astronomical Observatory (Code 152), M.P.C. 61980, 2008.
27. I. Eglitis and K. Černis, Astrometric observations of 69 asteroids (209 positions) and discovery of 2 asteroids (2008 CL177 and 2008 CH184) in Baldone Astrophysical Observatory (Code 069), M.P.C. 62255, 2008.
28. K. Černis and J. Zdanavičius, Astrometric observations of 43 asteroids (159 positions) in Moletai Astronomical Observatory (Code 152), M.P.C. 62256, 2008.
29. I. Eglitis and K. Černis, Astrometric observations of 20 asteroids (52 positions) in Baldone Astrophysical Observatory (Code 069), M.P.C. 62566, 2008.
30. K. Černis and H. Selevičius, Astrometric observations of the comets C/2008 C1 and 46P/Wirtanen in Moletai Astronomical Observatory (Code 152), M.P.C. 62520, 2008.
31. K. Černis and H. Selevičius, Astrometric observations of 52 asteroids (155 positions) and discovery of asteroid 2006 SG397 in Moletai Astronomical Observatory (Code 152), M.P.C. 62567, 2008.
32. I. Eglitis and K. Černis, Astrometric observations of 13 asteroids (32 positions) in Baldone Astrophysical Observatory (Code 069), M.P.C. 62865, 2008.
33. K. Černis and H. Selevičius, Astrometric observations of the comets C/2008 C1 and 46P/Wirtanen in Moletai Astronomical Observatory (Code 152), M.P.C. 62833, 2008.
34. K. Černis, H. Selevičius, and J. Zdanavičius, Astrometric observations of 89 asteroids (289 positions) and discoveries of 6 asteroids in Moletai Astronomical Observatory (Code 152), M.P.C. 62865, 2008.
35. I. Eglitis and K. Černis, Astrometric observations of 28 asteroids (84 positions) in Baldone Astrophysical Observatory (Code 069), M.P.C. 63123, 2008.
36. K. Černis, J. Zdanavičius, and K. Zdanavičius, Astrometric observations of 120 asteroids (268 positions) in Moletai Astronomical Observatory (Code 152), M.P.C. 63124, 2008.
37. I. Eglitis and K. Černis, Astrometric observations of 13 asteroids (35 positions) in Baldone Astrophysical Observatory (Code 069), M.P.C. 63363-63364, 2008.
38. K. Černis and G. Valiauga, Astrometric observations of 65 asteroids (223 positions) in Moletai Astronomical Observatory (Code 152), M.P.C. 63364, 2008.
39. I. Eglitis and K. Černis, Astrometric observations of 56 asteroids (217 positions) and discovery of 6 asteroids (2008 OS9, 2008 OS10, 2008 OS18, 2008 OT18, 2008 OZ1 and 2008 OZ11) in Baldone Astrophysical Observatory (Code 069), M.P.C. 63585, 2008.
40. K. Černis and J. Zdanavičius, Astrometric observations of 71 asteroids (262 positions) and discovery of 6 asteroids (2006 SH406, 2006 SW406, 2006 SX406, 2006 SY406, 2007 GR75 and 2007 VM315) in Moletai Astronomical Observatory (Code 152), M.P.C. 63586, 2008.
41. I. Eglitis and K. Černis, Astrometric observations of 18 asteroids (61 positions) in Baldone Astrophysical Observatory (Code 069), M.P.C. 63807, 2008.
42. K. Černis and E. Černis, Astrometric observations of the comets C/2007 W1 (Boattini), C/2008 L2 (Hill), P/2008 Q2 (Ory) and C/2008 Q1 (Maticic) in Moletai Astronomical Observatory (Code 152), M.P.C. 63768, 2008.
43. K. Černis, J. Zdanavičius, and E. Černis, Astrometric observations of 72 asteroids (277 positions) and discovery of 11 asteroids (2008 QY28, 2008 QZ28, 2008

- QX28, 2008 QX32, 2008 QY32, 2008 QZ32, 2008 QO32, 2008 QP32, 2008 QE35, 2008 RZ5 and 2008 RA6) in Moletai Astronomical Observatory (Code 152), M.P.C. 63808, 2008.
44. I. Eglitis and K. Černis, Astrometric observations of 21 asteroids (61 positions) in Baldone Astrophysical Observatory (Code 069)", M.P.C. 64094, 2008.
 45. K. Černis and R. Janulis, Astrometric observations of the comets C/2007 W1 (Boattini) in Moletai Astronomical Observatory (Code 152), M.P.C. 64001, 2008.
 46. K. Černis, R. Janulis, and K. Zdanavičius, Astrometric observations of 141 asteroids (514 positions) and discovery of 15 asteroids (2008 QG35, 2008 QK35, 2008 QH35, 2008 RJ98, 2008 SC8, 2008 SB8, 2008 SD8, 2008 SE8, 2008 SP139, 2008 SG150, 2008 SH150, 2008 SQ185, 2008 QL40, 2008 QK40 and 2008 SQ250) in Moletai Astronomical Observatory (Code 152), M.P.C. 64095, 2008.
 47. K. Černis and H. Selevičius, Astrometric observations of the comet C/2008 C1, M.P.E.C. 2008-G32, 2008.
 48. K. Černis and H. Selevičius, Astrometric observations of the comet 46P/Wirtanen, M.P.E.C. 2008-G35, 2008.
 49. K. Černis and H. Selevičius, Astrometric observations of the comet C/2008 C1, M.P.E.C. 2008-H03, 2008.
 50. K. Černis and H. Selevičius, Astrometric observations of the comet 46P/Wirtanen, M.P.E.C. 2008-H05, 2008.
 51. K. Černis and H. Selevičius, Astrometric observations of the comets C/2008 C1 and 46P/Wirtanen, M.P.E.C. 2008-J27, 2008.
 52. K. Černis, Astrometric observations of the comet 46P/Wirtanen, M.P.E.C. 2008-J56, 2008.
 53. K. Černis and H. Selevičius, Astrometric observations of the comets C/2008 C1 and 46P/Wirtanen, M.P.E.C. 2008-K12, 2008.
 54. K. Černis and I. Eglitis, Discovery of Apollo group NEO asteroid 2008 OS9 in Baldone Astrophysical Observatory (Code 069), M.P.E.C. 2008-O66, 2008.
 55. K. Černis, Astrometric observations of the comet C/2008 Q1 (Maticic) in Moletai Astronomical Observatory (Code 152), M.P.E.C. 2008-Q30, 2008.
 56. K. Černis, Astrometric observations of the comets C/2007 W1 (Boattini) and C/2008 L2 (Hill) in Moletai Astronomical Observatory (Code 152), M.P.E.C. 2008-Q31, 2008.
 57. K. Černis and E. Černis, Astrometric observations of the comets C/2007 W1 (Boattini) and C/2008 L2 (Hill) in Moletai Astronomical Observatory (Code 152), M.P.E.C. 2008-R49, 2008.
 58. K. Černis, Astrometric observations of the comet P/2008 Q1 (Maticic) in Moletai Astronomical Observatory (Code 152), M.P.E.C. 2008-S22, 2008.
 59. K. Černis and R. Janulis, Astrometric observations of the comets C/2007 W1 (Boattini) and C/2008 L2 (Hill) in Moletai Astronomical Observatory (Code 152), M.P.E.C. 2008-S27, 2008.
 60. K. Černis, Astrometric observations of the comet P/2008 Q2 (Ory) in Moletai Astronomical Observatory (Code 152), M.P.E.C. 2008-T94, 2008.
 61. K. Černis, Astrometric observations of the comets C/2007 W1 (Boattini) and C/2008 L2 (Hill) in Moletai Astronomical Observatory (Code 152), M.P.E.C. 2008-T99, 2008.
 62. I. Eglitis and K. Černis, Astrometric observations of 11 asteroids (41 positions) in Baldone Astrophysical Observatory (Code 069), M.P.C. 64482 (2008).
 63. K. Černis and K. Zdanavičius, Astrometric observations of 107 asteroids (255 positions) in Moletai Astronomical Observatory (Code 152), M.P.C. 64483 (2008).

64. E. Stonkutė ir G. Tautvaišienė, Galaktikos storjo disko žvaigždžių cheminė evoliucija, konf. medžiaga “Studentų mokslinė praktika. 2006-2007 m.”, Vilniaus pedagoginio universiteto leidykla, Vilnius 2008, p. 90-92.
65. V. Kalvis ir G. Tautvaišienė, Galaktikos storjo disko žvaigždžių cheminė evoliucija, konf. medžiaga “Studentų mokslinė praktika. 2006-2007 m.”, Vilniaus pedagoginio universiteto leidykla, Vilnius 2008, p. 32-34.
66. K. Černis, Visual observations of comets: C/2006 VZ13 (LINEAR), C/2007 E1 (Garradd) and C/2007 E2 (Lovejoy), *Int. Comet Quarterly* **29**(3), 105-111 (2007).
67. K. Černis, Visual observations of comets: C/2007 F1 (LONEOS) and 17P/Holmes, *Int. Comet Quarterly* **29**(4), 139-143 (2007).
68. K. Černis and H. Selevičius, Astrometric observations of comet 17P/Holmes (22 positions) in Moletai Astronomical Observatory (Code 152), M.P.C. 61390, 2007.
69. K. Černis and H. Selevičius, Astrometric observations of 70 asteroids (277 positions) in Moletai Astronomical Observatory (Code 152), M.P.C. 61423, 2007.
70. K. Černis and H. Selevičius, Astrometric observations of the comet 17P/Holmes, M.P.E.C. 2007-Y12, 2007.
71. K. Černis, Astrometric observations of the comet 17P/Holmes, M.P.E.C. 2007-Y47, 2007.
72. G. Tautvaišienė and J.-E. Solheim, „A message from the scientific coordinators“, in “Observational Stellar Astrophysics: Student Assignments and Observing Projects”, eds. E. Meištas and J.-E. Solheim, Vilniaus universiteto teorinės fizikos ir astronomijos institutas, Vilnius, 2008, p. xiii-xviii;
73. R. Janulis, “Observations with the Moletai Observatory 1.65 m telescope”, in “Observational Stellar Astrophysics: Student Assignments and Observing Projects”, eds. E. Meištas and J.-E. Solheim, Vilniaus universiteto teorinės fizikos ir astronomijos institutas, Vilnius, 2008, p. 41-44;
74. E. Pakštienė, „Remote observations with the IAC80 at the Teide Observatory”, in “Observational Stellar Astrophysics: Student Assignments and Observing Projects”, eds. E. Meištas and J.-E. Solheim, Vilniaus universiteto teorinės fizikos ir astronomijos institutas, Vilnius, 2008, p. 45-52;
75. S. Jafarzadeh, C. Lagerholm and Š. Mikolaitis, „Abundance analysis of red horizontal branch stars“, in “Observational Stellar Astrophysics: Student Assignments and Observing Projects”, eds. E. Meištas and J.-E. Solheim, Vilniaus universiteto teorinės fizikos ir astronomijos institutas, Vilnius, 2008, p. 53-66;
76. E. Stonkutė and T. Liimets, „Stellar spectra throughout the Hertzsprung-Russel diagram. Part I“, in “Observational Stellar Astrophysics: Student Assignments and Observing Projects”, eds. E. Meištas and J.-E. Solheim, Vilniaus universiteto teorinės fizikos ir astronomijos institutas, Vilnius, 2008, p. 79-86;
77. M. Maskoliūnas and A. Černiauskas, „Photometry of the Apollo group asteroid 2008 OS9“, in “Observational Stellar Astrophysics: Student Assignments and Observing Projects”, eds. E. Meištas and J.-E. Solheim, Vilniaus universiteto teorinės fizikos ir astronomijos institutas, Vilnius, 2008, p. 123-129;

Išspausdintos pranešimų konferencijose tezės

1. Kupliauskienė and V. Tutlys, Properties of Auger electrons following excitation of polarized atoms by polarized electrons. 4th Conference on Elementary Processes in Atomic Systems, Cluj-Napoca, Romania, June 18-20, 2008, Book of Abstracts, p. 65.

2. Kupliauskienė, Fluorescence of polarized atoms excited by polarized electrons. 4th Conference on Elementary Processes in Atomic Systems, Cluj-Napoca, Romania, June 18-20, 2008, Book of Abstracts, p. 66.
3. R. Karazija and A. Momkauskaitė, Peculiarities of the energy level and photoelectron spectra of atoms with a half-filled shell, 21st International Conference on X-Ray and Inner-shell processes, June 22-27, 2008, Book of Abstracts, 103 (2008).
4. Kynienė, V. Jonauskas, S. Kučas, and R. Karazija, On the existence of dipole satellites in the region of $M_{2,3}$ - $L_{2,3}$ non-dipole emission lines for transition elements, 21st International Conference on X-Ray and Inner-shell processes, June 22-27, 2008, Book of Abstracts, 107 (2008).
5. V. Jonauskas, R. Karazija, and S. Kučas, The essential role of many-electron Auger transitions in the cascades following the photoionization of 3p and 3d shells of Kr, 21st International Conference on X-Ray and Inner-shell processes, June 22-27, 2008, Book of Abstracts, 129 (2008).
6. G. Gaigalas, E. Gaidamauskas, and Z. Rudzikas, Atomic structure calculations of Cm^{+4} and Am^{+3} ions. Europhysics Conference Abstracts (40th EGAS, Graz, 2-5 July, 2008), 32E, p. 32 (2008).
7. E. Gaidamauskas, G. Gaigalas, J. Bieron, S. Fritzsche, and P. Jonsson, MCDHF calculations of the electric dipole moment of radium induced by the nuclear Schiff moment. Europhysics Conference Abstracts (40th EGAS, Graz, 2-5 July, 2008), 32E, p. 33 (2008).
8. O. Rancova, P. Bogdanovich, and R. Karpuškieñė, Application of new quasirelativistic approach for treatment of oxygen-like Iron and Nickel. Europhysics Conference Abstracts (40th EGAS, Graz, 2-5 July, 2008), 32E, p. 43 (2008).
9. R. Juršėnas, Coupled tensorial forms of atomic two-particle operator. Europhysics Conference Abstracts (40th EGAS, Graz, 2-5 July, 2008), 32E, p. 45 (2008).
10. R. Karpuškieñė, P. Bogdanovich, and O. Rancova, *Ab initio* calculations of aluminium-like calcium. Europhysics Conference Abstracts (40th EGAS, Graz, 2-5 July, 2008), 32E, p. 201 (2008).
11. G. Gaigalas, E. Gaidamauskas, and Z. Rudzikas, Atomic structure calculations of the Cm^{4+} . Plutonium future – “The Science” 2008, A Topical Conference on Plutonium and the Actinides, Abstracts Booklet, 47-48 (2008).
12. P. Bogdanovich, O. Rancova, and R. Karpuškieñė, Quasirelativistic *ab initio* study of gallium-like molybdenum and tungsten. 14th International Conference on the Physics of Highly Charged Ions, 1-5 September, 2008, Japan, Tokyo, Book of Abstracts, A-a11 (2008).
13. P. Jonsson, J. Li, G. Gaigalas, and C. Dong, Hyperfine structures, isotope shifts and transition rates of C II, N III, and O IV from relativistic configuration interaction calculations. ICAMDATA 06, Beijing, China, Oct. 28-31, 2008. Book of Abstracts, 37 (2008).
14. L. Jiguang, P. Jonsson, G. Gaigalas, and C. Dong, Hyperfine induced $1s2s\ ^1S_0 \rightarrow 1s^2\ ^1S_0$ M1 transition of he-like ions. ICAMDATA 06, Beijing, China, Oct. 28-31, 2008. Book of Abstracts, 88 (2008).
15. A. Tamulis, Self-assembly of complex systems: artificial living Cells? First IAA Symposium on Searching for life signatures. Book of Abstracts, UNESCO, Paris, France, September 22-26, 2008, p. 21.

16. L. Klimka and R. Kivilšienė, Teaching in Pious Order Schools in Lithuania in XVIII-XIX c. *Nova Miscellanea historiae Scientiarum Baltica* – 50. Abstracts and Programme of the 23rd international Baltic conference on the History of Science, Riga, 9-10 October, 2008, Book of Abstracts, p. 74.
17. A. Tamulis, Self-assembly of complex systems: artificial living cells?, in: book of abstracts of First International Academy of Astronautics Symposium on “Search for Life Signatures” page 21, UNESCO, Paris, France, September 22-26, 2008.
18. E. Norvaišas, V. Regelskis, and D. Jurčiukonis, Quantized soliton in the bound state approach to heavy baryons, 18th Particle and Nuclei International Conference, 9-14 November 2008, Eilat, Israel.
19. G. Juzeliūnas, J. Ruseckas, A. Jacob, L. Santos, and P. Ohberg, Quasi-relativistic behaviour and negative reflection of cold atoms in light fields, European Research Conference on Quantum Optics, Obergurgl, Austria, 24 February - 1 March 2008, (abstract and a poster).
20. Kaulakys, V. Gontis, M. Alaburda, and J. Ruseckas, Modeling of financial markets by the Poissonian-like point processes, 72nd Annual Meeting of the German Physical Society, 25-29 February 2008, Berlin, p.789 (and Poster).
21. Kaulakys and M. Alaburda, Modeling scaled processes by the nonlinear stochastic differential equations, 4th Int. Conf. on News, Expectations and Trends in Statistical Physics, Kolymbari, Crete, 14-18 July 2008, Abstracts, p.54-55 (and Report).
22. V. Gontis, J. Ruseckas, and A. Kononovičius, Stochastic modeling of trading activity and volatility in financial markets, 4th Int. Conf. on News, Expectations and Trends in Statistical Physics, Kolymbari, Crete, 14-18 July 2008, Abstracts, p.45 (and Report).
23. G. Juzeliūnas, J. Ruseckas, and A. Mekys, Slow light with orbital angular momentum in atomic gases, 10th Int. Summer School-Conference on Advanced Materials and Technologies, Palanga, Lithuania, 27-31 August 2007 (tezės ir žodinis pranešimas).
24. G. Juzeliūnas, J. Ruseckas, A. Jacob, L. Santos, and P. Ohberg, Quasi-relativistic behaviour and negative reflection of cold atoms in light fields, the 1st Bilateral Estonian-German Workshop on Strong Nonlinear Vibronic and Electronic Interactions in Solids, Tartu, Estonia, 30 April - 2 May 2008 (abstract and an invited talk).
25. G. Juzeliūnas, J. Ruseckas, A. Jacob, L. Santos, and P. Ohberg, Negative reflection and quasi-relativistic behaviour and of cold atoms in light fields, the XII International Conference on Quantum Optics and Quantum Information, September 20–23, 2008, Vilnius, Lithuania (abstract and a talk).
26. A. Mekys, J. Ruseckas, and G. Juzeliūnas, Manipulation of slow light with orbital angular momentum in atomic gases, the XII Int. Conference on Quantum Optics and Quantum Information, September 20–23, 2008, Vilnius, Lithuania (abstract and a poster).
27. Palaima, R. Janciene, Z. Stumbreviciute, A. Vektariene, and B.D. Puodziunaite, Interaction of aminobenzodiazepinones with dimethyl-2-oxoglutaconate, 5th Biannual Balticum Organicum Syntheticum (BOS) conference 2008 06 29 – 07 02. Report PO 97.
28. R. Jančienė, Z. Stumbrevičiūtė ir A. Vektarienė, Kondensuotųjų heterociklinių sistemų, turinčių 2,4-pakeisto chinolino fragmentą, sintezės tyrimas. Mokslinės konferencijos „Organinė chemija” pranešimų medžiaga, Kaunas: Technologija, 2008, p. 20-21. ISBN 9955-25-471-3.

29. Kaulakys, M. Alaburda, V. Gontis, and J. Ruseckas, Modeling long-memory processes by stochastic differential equations and superstatistical approach, Int. Conf. on Nonextensive Statistical Mechanics – Foundations and Applications NEXT2008, Oct 27-31, 2008, Foz do Iguacu-PR, Brazil, Abstractas, p.29.
30. V. Daniūnas, and V. Gontis, Interactive Computer Models for Education and Distance Learning at Internet Portal mokslasplius.lt (scienceplus), DIVAI 2008, Nitra, May 28-29, http://divai.ukf.sk/divai2008/index.php?id=paper_details&paper=10.
31. J. Grigas, E. Talik, V. Lazauskas, Yu.M. Vysochanskii, M. Adamiec, R. Yevych, and V. Nelkinas, XPS of electronic structure of ferroelectric Sn₂P₂S₆ crystal, The 9th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity, Vilnius, Lithuania, June 15-19, 2008, p. 185.
32. J. Grigas, V. Lazauskas, and V. Nelkinas, X-ray photoelectron spectroscopy of ferroelectrics, Joint Int. Summer School-Conference Advanced materials and technologies: book of abstracts of the Joint international summer school-conference, Palanga, Lithuania, 27-31 August 2008. Kaunas, 2008, p. 11.
33. J. Grigas, E. Talik, V. Lazauskas, Yu.M. Vysochanskii, M. Adamiec, and R. Yevych, X-ray photoelectron spectroscopy of ferroelectrics, IX Polish-Ukrainian Meeting and XXIX International School on Ferroelectrics Physics, IX PU and XXIX ISFP, 14-18 September, 2008, Kraków, Poland, 2 p.
34. V. Lazauskas, V. Nelkinas, and J. Grigas, Theoretical analysis of photoelectron spectra of Sn₂P₂S₆ crystal, Int. conf. radiation interaction with material and its use in technologies 2008 Kaunas, Lithuania, September 24-27, 2008, pp. 212-213.
35. V. Daniūnas, V. Gontis, A. Acus, V. Fokas, and G. Valiauga, Web Based Interactive Models for Science Education and Collaboration, 7th European Conference on eLearning - ECEL-2008, Agia Napa, Cyprus, 6-7 November 2008.

Mokslo populiarinimo straipsniai, knygos, filmai

1. A. Bernotas, Klimato kaita – iššūkis civilizacijai, Mokslas ir technika, Nr. 1, p. 2-4 (2008).
2. R. Karazija, Unikalūs mokslo prietaisai, Mokslas ir gyvenimas, 2008, Nr. 6, p. 2-3.
3. O. Rancova, Mokslas – pramonė – produktas – vartotojas – mokslas, Fizikų žinios, 2008, Nr. 34, 20-21.
4. R. Karazija, Stebuklingas kompiuteris, atveriantis Visatą. Kn.: S. Hawking, Džordžas ir Visatos paslaptys, K.: Jotema, 2008, p. 208-210.
5. O. Rancova ir E. Stonkutė, Visatą tirsime naudodami ir Europos Sąjungos mokslo infrastruktūrą, Mokslas ir gyvenimas, 2008, Nr. 6, 38-41.
6. G. Gaigalas, Nevienišas su savo idėjomis ir darbais, Mokslas ir gyvenimas, 2008, Nr. 2, p. 6-7.
7. G. Gaigalas, Bendrosios fizikos katedra tarptautinių mokslinių tyrimų sukuryje, Šviesa, 2008, Nr.7, p.6.
8. A. Momkauskaitė ir A. Bernotas, Lucy ir Stephen Hawking. Džordžas ir Visatos paslaptys (George's Secret Key to the Universe). – Kaunas: Jotema, 2008. – 320 p. (vertimas iš anglų k., vaikams).
9. A. Bernotas. Physical Review Letters redaktoriaus Reinhardt Schuhmann vedamojo viename PRL numerių vertimas, Fizikų žinios Nr. 35, 2-4 (2008).
10. A. Bernotas, „Mokslo Lietuvai“ Gedimino Zemlicko interviu su Europos mokslinių tyrimų tarybos prezidentu Fotis Kafatos vertimas, 2008.

11. A. Tamulio idėja apie Molecular Quantum Computing Life yra publikuojama The Encyclopedia of Science
http://www.daviddarling.info/encyclopedia/M/molecular_quantum_computing_cloud.html
12. A. Tamulis, <http://mokslasplius.lt/mokslo-naujienos/2008/04/24/nano-bio-robotai> . Download MOV file
13. A. Tamulio sukurtas filmas apie Venecijos nano biotechnologijų 2008 pavasario konferencijas yra webserveryje <http://mokslasplius.lt/mokslo-naujienos/2008/04/24/dirbtine-gyvybe-mokslina-konferencija-venecijoje> .
14. A. Tamulio paskaita/filmas VU TFAI Taryboje Kovo 20, 2008 pavadinta “Dirbtinių gyvų ląstelių savaiminis susidarymas ir kvantinis mechaninis kontroliavimas” yra webserveryje <http://mokslasplius.lt/mokslo-naujienos/2008/04/28/kvantinis-mechaninis-dirbtiniu-minimaliu-gyvu-lasteliu-kontroliavimas>.
15. V. Regelskis ir T. Gajdosik, Pirmapradės kosminės sriubos ragaus ir lietuviai, <http://www.balsas.lt/naujiena/192146> 2008.04.17 .
16. Cold atoms could help build ‘spintronics’ transistor (2008 metų rugpjūčio 1 dienos Physics World straipsnis apie mūsų darbą), <http://www.itpa.lt/quantumgroup/files/physicsworld-2008-08-01.pdf> .
17. Lietuvių fizikų idėja susidomėjo populiarius britų žurnalas, Mindaugas Jackevičius, www.DELFI.lt, 2008 rugpjūčio 7 d., <http://www.itpa.lt/quantumgroup/files/delfi-2008-08-07.pdf> .
18. Apie šaltuosius atomus – lietuvių žodis, Lietuvos Žinios 2008.08.20, <http://www.itpa.lt/quantumgroup/files/lietuvoszinios-2008-08-20.pdf>
19. B. Kaulakys, Kritiška Lietuvos mokslo būklė, Balsas.lt, 2008.01.30, www.balsas.lt/naujiena/181216 ; mokslasplius.lt/lms/?q=lt/node/1030 .
20. B. Kaulakys, Mokslas ir studijos. Pasiekimai ir galimybės, Pranešimas X Lietuvos mokslininkų sąjungos suvažiavime 2008.03.01, mokslasplius.lt/lms/?q=lt/node/1199 .
21. B. Kaulakys, Lietuvos mokslas prie išsekimo slenksčio, Mokslas ir gyvenimas, Nr. 3, p.20-21 (2008); <http://ausis.gf.vu.lt/mg/>.
22. B. Kaulakys, Mažės mokslo ir studijų finansavimas, Balsas.lt, 2008.09.01, <http://www.balsas.lt/naujiena/211209/> ; <http://mokslasplius.lt/lms/?q=lt/node/1538> .
23. V. Gontis ir G. Zemlickas, Rizikos fizika: naujos senų mokslų galimybės, „Mokslo Lietuvos“ straipsniai 2008 m. rugsėjo 4 d. Nr. 15 (393), <http://mokslasplius.lt/mokslo-lietuva/node/1273> .
24. A. Kazlauskas, 2009-ieji – Tarptautiniai astronomijos metai, Lietuvos Dangus-2009, p. 5-6.
25. V. Straizys, Saulės sistemos ir astronautikos naujienos 2008 metais, Lietuvos Dangus,2009, p. 7-14.
26. E. Pakštienė, Palydovas „Kepler“ ieškos kitos Žemės, Lietuvos Dangus 2009, p. 15-21 (2008).
27. S. Bartašiūtė, Lietuvių kilmės astronomai užsienyje I, Lietuvos Dangus 2009, p. 22-46 (2008).
28. R. Lazauskaitė, Astronominių žinių patikra ir jauniausiems, Lietuvos Dangus 2009, p. 63-64 (2008).
29. G. Tautvaišienė, Aukštieji astrofizikos kursai Molėtų observatorijoje, Lietuvos Dangus 2009, p. 67-70 (2008).
30. G. Tautvaišienė ir A. Kazlauskas, 40 metų Molėtų astronomijos observatorijai, Lietuvos Dangus 2009, p. 71-80 (2008).
31. S. Matulaitytė ir A. Kazlauskas, Datos, jubiliejai 2009 metais, Lietuvos Dangus 2009, p. 81-92 (2008).

32. G. Barisevičius, 150 metų Kirchhofo dėsniams, Lietuvos Dangus-2009, p. 93-94.
33. G. Tautvaišienė ir A. Kazlauskas, 100 metų Krymo astrofizikos observatorijai, Lietuvos Dangus-2009, p. 95-96.
34. A. Ivanauskas, Tarptautinė kosminė stotis skrieja jau dešimtmetį, Lietuvos Dangus-2009, p. 97-98.
35. V. Straizys, Molėtų observatorijos akmenys, Lietuvos Dangus-2009, p. 99-103.
36. G. Tautvaišienė, 20 valandų asteroidui sutikti, Lietuvos Dangus-2009, p. 105-108.
37. K. Černis, Lietuvos astronomų aruode – 25 įregistruoti asteroidai, Lietuvos Dangus-2009, p. 109-120.
38. V. Straizys ir M. Macijauskas, Astronomijos ir astronautikos naujienos, Mokslas ir gyvenimas, Nr. 4, 2008.
39. V. Straizys ir M. Macijauskas, Astronomijos ir astronautikos naujienos, Mokslas ir gyvenimas, Nr. 5, 2008.
40. E. Stonkutė ir G. Tautvaišienė, Lietuvos indėlis, The Economist, 2008 gruodis.
41. G. Tautvaišienė, Atraskime savo Visatą, Mokslas ir gyvenimas, Nr. 11, 2008.
42. G. Tautvaišienė, Europos astronomijos aukso amžius, Mokslas ir technika, Nr. 12, 2008.