

VU Teorinės fizikos ir astronomijos instituto 2010 m. publikacijų

SĀRAŠAS

Knygos ir leidiniai (bei jų dalys)

1. E. Makariūnienė, R. Kivilšienė, Lietuvos mokslo istorikų sąvadas. 1. Astronomija, fizika. Vilnius, Vilniaus universiteto leidykla, red. A. Momkauskaitė, 2010, 119 p.
2. ICAMDATA 7 - International Conference on Atomic and Molecular Data and Their Applications. Book of Abstracts. Sudarytojas R. Karazija, Vilniaus universiteto leidykla, 2010, 128 p.
3. Materials Physics and Mechanics, vol. 9, No. 1 (p. 1-83), No. 2 (p. 84-166) No. 3 (p. 167- 245). Konf. medžiaga, redaktoriai A. I. Melker ir J. Tamulienė.
4. R. Juršėnas, Algebraic development of many-body perturbation theory in theoretical atomic spectroscopy (daktaro disertacija), Vilniaus universiteto leidykla, Vilnius, 2010, 101 p.
5. R. Juršėnas, Algebrinis daugiadalelės trikdžių teorijos plėtojimas teorinėje atomo spektroskopijoje (daktaro disertacijos santrauka), Vilniaus universiteto leidykla, Vilnius, 2010, 38 p.
6. V. Gontis, J. Ruseckas and A. Kononovičius. A Non-Linear Double Stochastic Model of Return in Financial Markets, In: Stochastic Control, Ed. Chris Myers, ISBN: 978-953-307-121-3, Publisher: Sciyo, August 2010, Ch.27, pp.559-580; 1,6 spaudos lanko; <http://sciyo.com>.
7. Baltic Astronomy, vol. 19, Nr. 1-4, 2010 (ats. red. V. Straižys), Vilniaus universiteto leidykla, ISSN 1392-0049.
8. Lietuvos dangus 2011 (ats. red. G. Tautvaišienė), Vilniaus universiteto leidykla, 2010, 169 psl., ISSN 1392-0987.

Straipsniai ISI žurnaluose

1. R. G. Unanyan, J. Otterbach, and M. Fleischhauer, J. Ruseckas, V. Kudriashov, and G. Juzeliūnas, Spinor Slow-Light and Dirac Particles with Variable Mass, Phys. Rev. Lett. 105 173603 (2010).
2. M. Merkl, G. Juzeliūnas and P. Ohberg, The non-Abelian bosonic quantum ring, Eur. Phys. J. D **58** (2010).
3. G. Juzeliūnas, J. Ruseckas and J. Dalibard, Generalized Rashba-Dresselhaus spin-orbit coupling for cold atoms, Phys. Rev. A 81 053403 (2010).
4. J. Ruseckas, A. Mekys, and G. Juzeliūnas, Manipulation of Slow Light with Orbital Angular Momentum in Cold Atomic Gases, Opt. Spektroskop. 108 pp. 438–445 (2010).
5. J. Otterbach, J. Ruseckas, R. G. Unanyan, G. Juzeliūnas, and M. Fleischhauer, Effective Magnetic Fields for Stationary Light, Phys. Rev. Lett. 104 033903 (2010).
6. J. Ruseckas and B. Kaulakys, 1/f noise from nonlinear stochastic differential equations, Phys. Rev. E 81 031105 (2010).
7. V. Gineitytė, Terms representing the reorganization of bonding within charge-bond order matrices of reacting molecules, Int. J. Quant. Chem. 110 (7), p. 1327 (2010).
8. 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).

9. A. Vektarienė, G. Vektaris, Theoretical studies on the methylsulfenyl chloride addition to propene, Heteroatom chemistry. 21 (1) p. 1-13 (2010).
10. A.E. Ledesma , C. Contreras , J.Svoboda, A. Vektarienė, S.A. Brandan Theoretical structures and experimental vibrational spectra of isomeric benzofused thieno [3,2-b] furan compounds, Journal of Molecular structure. 967 p. 159-165 (2010).
11. P. Serapinas, J. Šalkauskas, Ž. Ežerinskis and A. Acus, Local thermodynamic equilibrium modeling of ionization of impurities in argon inductively coupled plasma, Spectrochim. Acta Part B 65, pp. 15-23 (2010).
12. P. Serapinas, G. Labarraque, P. Charlet, Ž. Ežerinskis and V. Juzikienė, Method of standard additions for arsenic measurements in water by ICP Sector Field Mass Spectrometry at accuracy comparable to isotope dilution, J. Anal. At. Spectrom. 25, pp. 624 – 630 (2010).
13. A. Borgoo, O. Scharf, G. Gaigalas, M. Godefroid. Multiconfiguration electron density function for the ATSP2K-package, Comput. Phys. Comm. 181, 426-439 (2010).
14. G. Gaigalas, E. Gaidamauskas, Z. Rudzikas, N. Magnani, R.Cociuffo. Correlation, relativistic, and quantum electrodynamic effects on the atomic structure of eka-thorium, Phys. Rev. A, 81, 022508 (2010).
15. J. Li, P. Jonsson, C. Dong, G. Gaigalas. Two-electron-one-photon M1 and E2 transitions between the states of the 2p3 and 2s22p odd configurations for B-like ions with $18 \leq Z \leq 92$, J.Phys. B: At. Mol. Opt. Phys., 43, 03505(11pp) (2010).
16. P. Jonsson, J. Li, G. Gaigalas, C. Dong. Hyperfine structures, isotope shifts, and transition rates of C II, N III, and OIV from relativistic configuration interaction calculations, At. Data Nucl. Data Tables, 96, 271-298 (2010).
17. S. Verdebout, P. Jonsson, G. Gaigalas, M. Godefroid, C. Froese Fischer. Exploring bioorthonormal transformations of pair-correlation functions in atomic structure variational calculations, J.Phys. B: At. Mol. Opt. Phys. 43, 074017 (11pp) (2010).
18. G. Gaigalas, Z. Rudzikas, E. Gaidamauskas, P. Rynkun, A. Alkauskas. Peculiarities of spectroscopic properties of W²⁴⁺, Phys. Rev. A 82, 014502(4) (2010).
19. Huihui Kang, Jiguang Li, Chenzhong Dong and Gediminas Gaigalas. The effect of hyperfine interaction on the lifetime of the 3s3p 3P2 level of Mg-like ions, . Phys. B: At. Mol. Opt. Phys, 43, 095003(5pp) (2010).
20. V. Jonauskas, R. Kisielius, A. Kynienė, S. Kučas, P.H. Norrington. Magnetic dipole transitions in 4dN configurations of tungsten ions. Phys. Rev. A, 81, 012506 (2010).
21. R. Karpuškienė, O. Rancova, P. Bodanovich. An ab initio study of the spectral properties of W II, J. Phys. B: At. Mol. Opt. Phys, 43, 085002(6pp) (2010).
22. P. Bogdanovich, V. Jonauskas, R. Karpuškienė, O. Rancova, Theoretical investigation of x-ray radiation of 4-4 transitions in highly charged tungsten ions, Nucl. Instr. and Meth. A, 619, 15–17 (2010).
23. V. Balevičius, Z. Gdaniec, K. Aidas, J. Tamulienė. NMR and quantum chemistry study of mesoscopic effects in ionic liquids, J. Phys. Chem. A, 114, 5365-5371 (2010).
24. A. Tamulis, M. Grigalavičius. Quantum Mechanical Origin of Genetic Material in Minimal Cells, J.Comput.Theor.Nanosci. 7, 1831-1841 (2010).

25. J. Paladoux, P. Lablanquie, L. Andric, K. Ito, E. Sigemasa, J.H.D. Eland, V. Jonauskas, S. Kučas, R. Karazija and F. Penent. Multielectron spectroscopy: Auger decays of krypton 3d hole. *Phys. Rev. A*, 82, 043419 (2010) (pp. 13).
26. R. Juršėnas, G. Merkeliš, The transformation of irreducible tensor operators under spherical functions, *Int. J. Theor. Phys.* 49, no. 9, 2230 (2010)
27. R. Juršėnas, G. Merkeliš. Coupled tensorial form for atomic relativistic two-particle operator given in second quantization representation, *Cent. Eur. J. Phys.*, 8, 480-489 (2010).
28. R. Juršėnas and G. Merkeliš. Development of algebraic techniques for atomic open-shell MBPT (3), *J. Math. Phys.* 51, 12 (2010)
29. Š. Masys, S. Mickevičius, S. Grebinskij, V. Jonauskas. Electronic structure of LaNiO_{3-x} thin films studied by x-ray photoelectron spectroscopy and density functional theory, *Phys. Rev. B* 82, 165120 (2010).
30. Mikolaitis, Š.; Tautvaišienė, G.; Gratton, R.; Bragaglia, A.; Carretta, E. Chemical composition of clump stars in the open cluster NGC 6134. 2010. *Monthly Notices of the Royal Astronomical Society*, 407, 1866-1874;
31. Tautvaišienė, G.; Barisevičius, G.; Berdyugina, S.; Chorniy, Y.; Ilyin, I. Chemical Composition of the RS CVn-TYPE Star Lambda Andromedae. 2010. *Baltic Astronomy*, 19, 95-110;
32. Puzeras, E.; Tautvaišienė, G.; Cohen, J. G.; Gray, D. F.; Adelman, S. J.; Ilyin, I.; Chorniy, Y. High-resolution spectroscopic study of red clump stars in the Galaxy: iron-group elements. 2010. *Monthly Notices of the Royal Astronomical Society*, Online Early 2010MNRAS.tmp.1194
33. Tautvaišienė, G.; Edvardsson, B.; Puzeras, E.; Barisevičius, G.; Ilyin, I. C, N and O abundances in red clump stars of the Milky Way. 2010. *Monthly Notices of the Royal Astronomical Society*, 409, 1213-1219;
34. Stonkutė, E; Nordstrom, B; Tautvaišienė, G; Investigation of ancient substructures in the Milky Way: chemical composition study. 2010. *IAU Symposium* , 265, 376-377
35. Tautvaišienė, G.; Puzeras, E.; Chorniy, Y.; Barisevičius, G.; Ilyin, I. CNO abundance pattern in the red clump stars of the Milky Way. 2010. *IAU Symposium*, 262, p. 434-435
36. Barisevičius, G.; Tautvaišienė, G.; Berdyugina, S.; Chorniy, Y.; Ilyin, I. Chemical Composition of the RS CVn-type Star 29 Draconis. 2010. *Baltic Astronomy*, 19, 157-167;
37. Sperauskas J., Bartkevičius A., Boyle R. P., Deveikis V. High Velocity Spectroscopic Binary Orbits from Photoelectric Radial Velocities: A possible Triple System BD +20 5152. *Baltic Astronomy*, 2010, 229-238;
38. V. Straižys, A. Kazlauskas, Young stars in the Camelopardalis dust and molecular clouds. VI. YSOs verified by Spitzer and AKARI infrared photometry, *Baltic Astronomy*, 19, No. 1-2, p. 1-33, 2010;
39. J. Zdanavičius, S. Bartašiūtė, R. P. Boyle, F. J. Vrba, K. Zdanavičius, Multicolor CCD photometry of the open cluster IC361, *Baltic Astronomy*, 19, No. 1-2, p. 63-94, 2010;
40. J. Zdanavičius, S. Bartašiūtė, K. Zdanavičius, Wide field multicolor CCD photometry of the open cluster NGC 752, *Baltic Astronomy*, 19, No. 1-2, p 35-62, 2010;
41. V. Straižys, J. E. Drew, V. Laugalys, Extinctions and distances to dark clouds from 2MASS, MegaCam and IPHAS surveys: LDN 1525 in the direction of the Aur OB1 association, *Baltic Astronomy*, 19, No. 3-4, p. 169-184, 2010;

42. J. Zdanavičius, V. Čepas, K. Zdanavičius, V. Straižys, Wide field multicolor CCD photometry in the vicinity of the open cluster King 7, *Baltic Astronomy*, 19, No. 3-4, 185-212, 2010
43. Thöne, C. C.; Kann, D. A.; Jóhannesson, G.; Selj, J. H.; Jaunsen, A. O.; Fynbo, J. P. U.; Akerlof, C. W.; Baliyan, K. S.; Bartolini, C.; Bikmaev, I. F.; Bloom, J. S.; Burenin, R. A.; Cobb, B. E.; Covino, S.; Curran, P. A.; Dahle, H.; Ferrero, A.; Foley, S.; French, J.; Fruchter, A. S.; Ganesh, S.; Graham, J. F.; Greco, G.; Guarneri, A.; Hanlon, L.; Hjorth, J.; Ibrahimov, M.; Israel, G. L.; Jakobsson, P.; Jelínek, M.; Jensen, B. L.; Jørgensen, U. G.; Khamitov, I. M.; Koch, T. S.; Levan, A. J.; Malesani, D.; Masetti, N.; Meehan, S.; Melady, G.; Nanni, D.; Näränen, J.; Pakstiene, E.; Pavlinsky, M. N.; Perley, D. A.; Piccioni, A.; Pizzichini, G.; Pozanenko, A.; Roming, P. W. A.; Rujopakarn, W.; Rumyantsev, V.; Rykoff, E. S.; Sharapov, D.; Starr, D.; Sunyaev, R. A.; Swan, H.; Tanvir, N. R.; Terra, F.; de Ugarte Postigo, A.; Vreeswijk, P. M.; Wilson, A. C.; Yost, S. A.; Yuan, F. „Photometry and spectroscopy of GRB 060526: a detailed study of the afterglow and host galaxy of a $z = 3.2$ gamma-ray burst“, *Astronomy and Astrophysics*, Volume 523, id.A70 (2010)
44. S. Schuh, R. Silvotti, R. Lutz, B. Loeptien, E. M. Green... R. Janulis... EXOTIME: searching for planets around pulsating subdwarf B stars, *Astrophysics and Space Science*, Volume 329, Issue 1-2, pp. 231-242, 10/2010
45. K. Černis, I. Eglitis, I. Włodarczyk, J. Zdanavičius , K. Zdanavičius. The Apollo group asteroid 2008 OS9: discovery, orbit, light curve and Yarkovsky/Yorp effects. *Baltic Astronomy*, 19, 235-263 (2010).
46. Dubietis A., Dalin P., Balčiunas R., Černis K. Observations of noctilucent clouds from Lithuania. *Journal of Atmospheric and Solar-Terrestrial Physics* 72, 1090-1099 (2010).
47. Kučinskas, A.; Dobrovolskas, V.; Ivanauskas, A.; Ludwig, H.-G.; Caffau, E.; Blaževičius, K.; Klebas, J.; Prakapavičius, D. Can we trust elemental abundances derived in late-type giants with the classical 1D stellar atmosphere models? 2010, *Chemical Abundances in the Universe: Connecting First Stars to Planets*, Proceedings of the International Astronomical Union, IAU Symposium, Volume 265, p. 209-210
48. Kučinskas, A.; Dobrovolskas, V.; Černiauskas, A.; Lazauskaitė, R.; Tanabé, T. Metallicities of intermediate-age and old star clusters in the Large Magellanic Cloud. 2010, *Star clusters: basic galactic building blocks throughout time and space*, Proceedings of the International Astronomical Union, IAU Symposium, Volume 266, p. 446-446.
49. A. Juodagalvis, K. Langanke, W.R. Hix, G. Martínez-Pinedo, and J.M. Sampaio. Improved estimate of electron capture rates on nuclei during stellar core collapse// *Nuclear Physics A* v. 848 (2010) p. 454-478.
50. N. MacKay, V. Regelskis. On the reflection of magnon bound states// *J. High Energy Phys.* v. 08 (2010) p. 055.
51. N. MacKay, V. Regelskis. Yangian symmetry of the $Y=0$ maximal giant graviton// *J. High Energy Physics*, v. 08, no. 12 (2010) p.1-17.
52. P. Serapinas, J. Šalkauskas, Ž. Ežerinskis, A. Acus. Local thermodynamic equilibrium modeling of ionization of impurities in argon inductively coupled plasma// *Spectrochimica Acta B*, v. 65, (2010) p. 15-23.
53. CMS collaboration (T. Sabonis). Transverse momentum and pseudorapidity distributions of charged hadrons in pp collisions at $s = 0.9$ and 2.36 TeV// *J. High Energy Phys.* v. 02 (2010) p. 041.

54. CMS collaboration (T. Sabonis). First Measurement of Bose-Einstein Correlations in proton-proton Collisions at $s = 0.9$ and 2.36 TeV at the LHC// Phys. Rev. Lett. v. 105 (2010) p. 032001.
55. CMS collaboration (T. Sabonis). Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $s = 7$ TeV// Phys. Rev. Lett. v. 105 (2010) p. 022002.
56. CMS collaboration (T. Sabonis). Measurement of the charge ratio of atmospheric muons with the CMS detector// Phys. Lett. B v. 692 (2010) p. 83-104.
57. CMS collaboration (T. Sabonis). Observation of Long-Range, Near-Side Angular Correlations in Proton-Proton Collisions at the LHC// J. High Energy Phys. v.09 (2010) p. 091.
58. CMS collaboration (T. Sabonis). Search for Dijet Resonances in 7 TeV pp Collisions at CMS// Phys. Rev. Lett. v. 105 (2010) p. 211801.

Straipsniai kituose leidiniuose

1. K. Černis, J. Zdanavičius. Observations of NEO asteroid 2010 BT3. MPEC 2010-B35 (2010).
2. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 A1 (Hill). M.P.E.C. 2010-C08 (2010).
3. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 A1 (Hill). M.P.E.C. 2010-C29 (2010).
4. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 A2 (LINEAR). M.P.E.C. 2010-B50 (2010).
5. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 B1 (Cardinal). M.P.E.C. 2010-C12 (2010).
6. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 B1 (Cardinal). M.P.E.C. 2010-C33 (2010).
7. I. Eglitis, K. Černis. Astrometric observations of 5 asteroids (17 positions) in Baldone Astrophysical Observatory (Code 069). M.P.C. 68212 (2010 Jan. 30).
8. K. Černis. Astrometric observations of 114 asteroids (395 positions) and discovery of 2 asteroids in Moletai Astronomical Observatory (Code 152). M.P.C. 68215 (2010 Jan. 30).
9. K. Černis, J. Zdanavičius and E. Stonkute Astrometric observations of comets in Moletai Astronomical Observatory (Code 152). M.P.C. 68178 (2010 Jan. 30).
10. K. Černis, J. Zdanavičius. Astrometric observations of comets in Moletai Astronomical Observatory (Code 152). M.P.C. 68628 (2010 Feb. 28).
11. I. Eglitis, K. Černis. Astrometric observations of 6 asteroids (28 positions) in Baldone Astrophysical Observatory (Code 069). M.P.C. 68670 (2010 Feb. 28).
12. K. Černis, J. Zdanavičius Astrometric observations of 109 asteroids (434 positions) and discovery of 8 asteroids in Moletai Astronomical Observatory (Code 152). M.P.C. 68671 (2010 Feb. 28).
13. K. Černis, J. Zdanavičius. Astrometric observations of the comets C/2007 Q3 (Siding Spring) and 81P (Wild). M.P.E.C. 2010-E57 (2010).
14. K. Černis, J. Zdanavičius. Astrometric observations of the comets C/2007 Q3 (Siding Spring) and C/2009 K5 (McNaught). M.P.E.C. 2010-F31 (2010).
15. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 E2 (Jarnac). M.P.E.C. 2010-G110 (2010).

16. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 F1 (Boattini). M.P.E.C. 2010-H22 (2010).
17. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 G1 (Boattini). M.P.E.C. 2010-H24 (2010).
18. K. Černis, J. Zdanavičius. Astrometric observations of the comet 30P (Reinmuth). M.P.E.C. 2010-H27 (2010).
19. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 G1 (Boattini). M.P.E.C. 2010-H54 (2010).
20. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2010 H2 (Vales). M.P.E.C. 2010-H57 (2010).
21. K. Černis, J. Zdanavičius. Astrometric observations of the comet C/2009 K5 (McNaught). M.P.E.C. 2010-H59 (2010).
22. K. Černis, H. Selevicius. Astrometric observations of the comet 81P (Wild). M.P.E.C. 2010-J09 (2010).
23. K. Černis, E. Stonkute. Astrometric observations of the comet P/2010 H2 (Vales). M.P.E.C. 2010-J39 (2010).
24. K. Černis, J. Zdanavičius. Astrometric observations of the comet P/2010 H2 (Vales). M.P.E.C. 2010-K54 (2010).
25. K. Černis, J. Zdanavičius. Astrometric observations of comets in Moletai Astronomical Observatory (Code 152). M.P.C. 69150 (2010 Mar. 30).
26. I. Eglitis, K. Černis. Astrometric observations of 8 asteroids (24 positions) in Baldone Astrophysical Observatory (Code 069). M.P.C. 69202 (2010 Mar.30).
27. K. Černis, E. Stonkute, J. Zdanavičius. Astrometric observations of 204 asteroids (772 positions) and discovery of 29 asteroids in Moletai Astronomical Observatory (Code 152). M.P.C. 69205-69206 (2010 Mar.30).
28. K. Černis, J. Zdanavičius. Astrometric observations of comets in Moletai Astronomical Observatory (Code 152). M.P.C. 69665 (2010 Apr. 28).
29. I. Eglitis, K. Černis. Astrometric observations of comet C/2010 E2 (Jarnac) in Baldone Astrophysical Observatory (Code 069). M.P.C. 69665 (2010 Apr. 28).
30. I. Eglitis, K. Černis. Astrometric observations of 19 asteroids (54 positions) and discovery of asteroid 2010 GC158 in Baldone Astrophysical Observatory (Code 069). M.P.C. 69725 (2010 Apr. 28).
31. K. Černis, J. Zdanavicius. Astrometric observations of 94 asteroids (300 positions) in Moletai Astronomical Observatory (Code 152). M.P.C. 69727 (2010 Apr.28).
32. I. Eglitis, K. Černis. Astrometric observations of 16 asteroids (47 positions) and discovery of 2 asteroids (2010 JY14 and 2010 JN76) in Baldone Astrophysical Observatory (Code 069). M.P.C. 70193 (2010 May 27).
33. K. Černis, H. Selevicius, E. Stonkute, J. Zdanavicius. Astrometric observations of the comet P/2010 H2 (Vales). M.P.C. 70139 (2010 May 27).
34. K. Černis, H. Selevicius, E. Stonkute, J. Zdanavicius. Astrometric observations of 58 asteroids (168 positions) and in Moletai Astronomical Observatory (Code 152). M.P.C. 70194 (2010 May 27).
35. K. Černis. Astrometric observations of the comet P/2010 H2 (Vales). M.P.E.C. 2010-L36 (2010).
36. K. Černis. Astrometric observations of the comet P/2010 H2 (Vales). M.P.C. 70578 (2010 Jun 26).
37. K. Černis. Astrometric observations of 70 asteroids (179 positions) in Moletai Astronomical Observatory (Code 152). M.P.C. 70654 (2010 Jun 26).

38. I. Eglitis, K. Černis. Astrometric observations of 6 asteroids (20 positions) in Baldone Astrophysical Observatory (Code 069). M.P.C. 71063 (2010 Jul 26).
39. K. Černis, K. Zdanavicius Astrometric observations of 28 asteroids (127 positions) in Moletai Astronomical Observatory (Code 152). M.P.C. 71064 (2010 Jul 26).
40. R. Boyle , J. Stott, K. Černis. Astrometric observations of Centaur 2009 HW77 (60 positions) in Mount Graham observatory (Code 290). M.P.C. 71065 (2010 Jul. 26).
41. I. Eglitis, K. Černis. Astrometric observations of 9 asteroids (25 positions) in Baldone Astrophysical Observatory (Code 069). M.P.C. 71529 (2010 Aug 24).
42. K. Černis, M. Maskoliunas. Astrometric observations of 53 asteroids (303 positions) in Moletai Astronomical Observatory (Code 152). M.P.C. 71531 (2010 Aug 24).
43. K. Černis. Astrometric observations of comets in Moletai Astronomical Observatory (Code 152). M.P.C. 71892 (2010 Sep. 23).
44. I. Eglitis, K. Černis. Astrometric observations of 9 asteroids (22 positions) in Baldone Astrophysical Observatory (Code 069). M.P.C. 71953 (2010 Sep 23).
45. K. Černis, Astrometric observations of 89 asteroids (284 positions) and discovery of 8 new asteroids in Moletai Astronomical Observatory (Code 152). M.P.C. 71956 (2010 Sep 23).
46. K. Černis. Astrometric observations of comet 103P/Hartley and C/2010 L1 (WISE). M.P.E.C. 2010-S29 (2010).
47. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-S39 (2010).
48. K. Černis. Astrometric observations of comet C/2010 S1 (LINEAR). M.P.E.C. 2010-S41 (2010).
49. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-S56 (2010).
50. K. Černis. Astrometric observations of comet C/2010 S1 (LINEAR). M.P.E.C. 2010-T32 (2010).
51. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-T35 (2010).
52. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-T98 (2010).
53. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-U29 (2010).
54. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-U42 (2010).
55. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-V59 (2010).
56. K. Černis. Astrometric observations of comet 103P/Hartley. M.P.E.C. 2010-W22 (2010).
57. K. Černis. Astrometric observations of comets in Moletai Astronomical Observatory (Code 152). M.P.C. 72350 (2010 Nov. 28).
58. I. Eglitis, K. Černis. Astrometric observations of 9 asteroids (26 positions) in Baldone Astrophysical Observatory (Code 069). M.P.C. 72437 (2010 Nov. 28).
59. K. Černis. Astrometric observations of 231 asteroids (708 positions) in Moletai Astronomical Observatory (Code 152). M.P.C. 72441 (2010 Nov. 28).

60. R. Boyle, K. Černis. Astrometric observations of 7 asteroids (14 positions) and discovery of 3 asteroids in Mt. Graham Observatory (Code 290). M.P.C. 72444 (2010 Nov. 28).
61. J. Tamuliene, R. Vaišnoras, G. Badenes, M.-L. Balevicius. Magnetic properties of Co₂O_n (n=1-9, 12) nanoparticles, Solid State Phenomena, 165, 207-209 (2010).
62. A. Šliogeris, V. Astachov, J. Tamulienė, R. Vaišnoras, L.M. Balevičius. Glikodendrimerų funkcionalizuotų triptofano ir dansilo molekulėmis optinių savybių tyrimas. Žurnalo „Jaunujų mokslininkų darbai“ Nr. 1 (26) priedas (publications of International Conference „Young Science 2010“, 29-30 April 2010, Šiauliai, Lithuania), 261-265 (2010).
63. J. Tamuliene, R. Vaišnoras, G. Badenes, L.-M. Balevičius. Point of view on magnetic properties of Con (n=6,8,10,12) based on quantum chemistry investigations, Materials Physics and Mechanics, 9, 35-41 (2010).
64. R. Juršėnas, G. Merkeliš. Application of symbolic programming for atomic many-body theory, Materials Physics and Mechanics, 9, 42-52 (2010).
65. P. Bogdanovich, A. Štikonas, O. Rancova. Comparison of partial diagonalization of matrices with standard program complexes, Materials Physics and Mechanics, 9, 68-74 (2010).
66. I.V. Chernishova, J.E. Kontros, O.B. Shpenik, J. Tamuliene, M.L. Balevicius. Low-energy electron collision with gas-phase thymine molecule. 3Th International Conference „Radiation Interaction With Material And Its Use In Technologies 2010“, Kaunas, Lithuania, 20-23 September, 2010, Program and Materials, Kaunas, „Technologija“, p. 110-113 (2010).
67. J. Tamuliene, R. Vaišnoras, L.-M. Balevičius. Use of Co nanoparticles in the hydrogen fuel production. Proceedings of the 5th International Conference „Intelligent Technologies in Logistics and Mechatronics systems ITELMS'2010“, Technologija, Kaunas, 2010, p. 74-76.
68. J. Tamulienė, R. Vaišnoras, L. M. Balevičius. Use of Co Nanoparticles in the Hydrogen Fuel Production, Proceedings of 5th International Conference ITELMS'2010., International Conference on Intelligent Technologies in Logistics and Mechatronic Systems, Panevėžys, 3-4 June 2010. ISBN 978-9955-25-836-0.
69. R. Jančienė, A. Vektarienė, Z. Stumbrevičiūtė, 5-Acetyl-2,3,4,5-tetrahydro-1,5-benzdiazepin-2-tionų sąveikos su p-pakeistais bromacetofenonais ypatumai, Mokslinės konferencijos „Organinė chemija“ pranešimų medžiaga. Kaunas: Technologija, 2010, p. 95-98. ISBN 9955-25-663-2.

Išspausdintos pranešimų konferencijose tezės

1. C. Froese Fischer, M.R. Godefroid, S. Verdebout, G. Gaigalas, P. Jonsson. Configuration interaction with separately optimized pair correlation function, 50th Sanibel Symposium, University of Florida, February 24-March 2, 2010.
2. P. Rynkun, E. Gaidamauskas, M. Godefroid, G. Gaigalas, P. Jonsson, C. Naze. Relativistic mass shift calculations with the GRASP2K package, 10th European Conference on Atoms, Molecules and Photons, Abstracts, Salamanca, 2010, p. P-104.
3. S. Verdebout, P. Jönsson, G. Gaigalas, C. Froese Fischer and M. Godefroid. Variational Pair-Correlation Functions for Atomic properties, 10th European Conference on Atoms Molecules and Photons ECAMP X, Book of Abstracts, 4-9 July 2010, Salamanca (Spain) p. 86.

4. A. Kupliauskienė, A. Borovik. Investigation of lowest autoionizing states in rubidium atom, 10th European Conference on Atoms, Molecules and Photons, Abstracts, Salamanca, Spain, 2010, p. P-116.
5. R. Juršėnas, G. Merkeliš. The transformation of irreducible tensor operators under the spherical functions, 10th European Conference on Atoms, Molecules and Photons, Abstracts, Salamanca, Spain, 2010, p. P-492.
6. V. Jonauskas, G. Gaigalas, S. Kučas. Theoretical study of $4p54dN+1+4p64dN-14f$ - $4p64dN$ transitions in tungsten ions, 10th European Conference on Atoms, Molecules and Photons, Abstracts, Salamanca, Spain, 2010, p. P-661.
7. S. Verdebout, P. Rynkun, P. Jönsson, G. Gaigalas, C. Froese Fischer. Variational Pair-Correlation Functions for Atomic properties // 22nd International Conference on Atomic Physics, Book of Abstracts, 25-30 July 2010, Cairns (Australia) p. 256.
8. P. Jönsson, J. Li, Ch. Dong, J. Bieron, P. Rynkun, G. Gaigalas. Relativistic Atomic Structure Calculations Using GRASP2K // 15th International Conference on the Physics of Highly Charged Ions, Books of Abstracts, 30 August - 3 September 2010, Shanghai (China) p. A13.
9. J. Li, Ch. Dong, P. Jönsson, G. Gaigalas. MF - Dependent Hyperfine Induced Transition Rates in an External Magnetic Field // 15th International Conference on the Physics of Highly Charged Ions, Books of Abstracts, 30 August - 3 September 2010, Shanghai (China) p. A05.
10. G. Gaigalas. Challenges of theoretical spectroscopy of heavy and superheavy atoms and ions. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 29.
11. P. Jonsson, P. Rynkun, G. Gaigalas, J. Bieron, C. Froese Fischer, S. Gustafsson. Production of atomic data using relativistic multiconfiguration methods. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 49.
12. A. Tamulis, M. Grigaravičius. Magnetically controlled artificial living cells. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 69.
13. A. Borovik, A. Kupliauskienė. Electron-impact excitation of the $(5p56s2)$ $2P_{3/2,1/2}$ autoionizing states in Cs atoms. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 71.
14. A. Borovik, A. Kupliauskienė. Total autoionization cross-section of cesium atoms excited by 12-600 eV electrons. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 72.
15. A. Borovik, A. Kupliauskienė. Electron-impact excitation cross-sections for autoionizing states in cesium. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 73.
16. A. Kupliauskienė, A. Borovik, R. Juršėnas, Š. Masys. Large-scale configuration interaction calculations of 4p electron-impact excited Rb. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 74.
17. P. Bogdanovich, O. Rancova. New quasirelativistic approach for ab initio calculations of spectral properties of atoms and ions. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 85.

18. R. Juršėnas, G. Merkeliš. The generation and analysis of expansion terms in the atomic stationary perturbation theory. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 86.
19. A. Momkauskaitė, R. Karazija, L. Remeikaitė-Bakšienė. Mixing of configurations $3s3pN+1$ and $3s23pN-13d$ and its influence on the photoexcitation and emission spectra in isoelectronic sequences. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 88.
20. P. Rynkun, E. Gaidamauskas, C. Naze, G. Gaigalas, P. Jonsson, M. Godefroid. Relativistic mass shift calculations with the GRASP2K package. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 94.
21. G. Gaigalas, Z.R. Rudzikas, E. Gaidamauskas, P. Rynkun, A. Alkauskas. Lowest 977 energy levels, E1 transition probabilities and lifetimes for W $^{24+}$. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 99.
22. P. Bogdanovich, O. Rancova. Quasirelativistic treatment of spectral characteristic of W $^{37+}$, W $^{36+}$ and W $^{35+}$. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 100.
23. R. Kisielius, V. Jonauskas, Š. Masys. Collision data calculation for highly-charged open n=4 shell tungsten ions using analogues of relativistic integrals. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 104.
24. V.S. Vukstich, A.I. Imre, L.G. Romanova, A.V. Snegursky, J. Tamulienė. Mass-spectrometric studies of electron-impact dissociative ionization of the methionine molecule. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 106.
25. J.E. Kontros, I.V. Chernishova, O.B. Shpenik, J. Tamulienė. Total electron scattering cross-section for POPOP molecules. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 107.
26. I.V. Chernishova, J.E. Kontros, O.B. Shpenik, J. Tamulienė. Low-energy electron collisions with gas-phase thymine molecules. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 108.
27. I.V. Chernishova, J.E. Kontros, O.B. Shpenik, J. Tamulienė. Resonances in the total low-energy electron scattering cross-section for cytosine molecule. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 109.
28. V. Vederbout, P. Rynkun, P. Jonsson, G. Gaigalas, C. Froese Fischer, M. Godefroid. Variational pair-correlation functions for atomic properties. 7th International Conference on Atomic and Molecular Data and Their Applications, Book of Abstracts, Vilnius, Lithuania, 2010, p. 114.
29. Z.R. Rudzikas. Strategy of the Baltic Countries' Research While in the European Research Area. 12th Baltic Conference on Intellectual Co-operation "Science and Society", 4-5 November, 2010, Vilnius, p. 9.
30. R. Juršėnas and G. Merkeliš, Conference on Computational Physics (CCP), Trondheim, 2010, Abstracts, p. 213.

31. Š. Masys, V. Jonauskas, S. Mickevičius, S. Grebinskij. Electronic structure of LaNiO_{3-x} thin films: X-ray photoelectron spectroscopy and theoretical study. 3rd International Conference on Radiation Interaction with Material and Its Use in Technologies, Kaunas, Lithuania, 20-23 September 2010. Program and Materials, p. 129.
32. R.Kivilšienė. Physics in Lithuania from the 16th to the 21st Century – a Short Review. Int. Symposium “The roots of physics in Europe”, Book of Abstracts, Austrija, May 28–29 , 2010, p. 17-18.
33. J. Tamulienė, M. L. Balevičius. Electric Field Gradient of several Modified Adenine- Thymine pairs. Ab initio study. Symposium on Nucleic Acid Chemistry, Structure and Interactions, Nova Gorica, Slovenia, May 29-31, 2010, p. 35.
34. Š. Mikolaitis & G. Tautvaišienė, „Stellar energy flux modeling under SYNTSPEC application“, EGEE User Forum, Upsala, 2009 balandis
35. Š. Mikolaitis & G. Tautvaišienė, “Stellar energy flux modeling under gridified software SYNTSPEC”, ELSA konferencija, Paryžius, 2010 birželis
36. G. Tautvaišienė & Š. Mikolaitis, “Carbon and nitrogen as tracers of stellar evolution in red clump stars of open clusters”, JENAM konferencija, Lisabona, 2010 rugsėjo 6-10 d.
37. Stendinis pranešimas E.Puzeras & G. Tautvaišienė, “Chemical properties of Hipparcos red clump”, JENAM konferencija, Lisabona, 2010 rugsėjo 6-10 d.
38. E. Stonkutė, G. Tautvaišienė, B. Nordstrom, R. Ženovienė “Chemical composition of a kinamatically identified stellar group in the Milky Way”, JENAM konferencija, Lisabona, 2010 rugsėjo 6-10 d.
39. Š. Mikolaitis & G. Tautvaišienė, “Synthetic stellar energy flux modeling under gridified software SYNTSPEC”, ICAMDATA konferencija, Vilnius, 2010 m. rugsėjo 21 – 24 d.
40. E. Stonkutė, G. Tautvaišienė, B. Nordstrom, R. Ženovienė “Chemical composition of kinamically identified Galactic stellar groups”, ICAMDATA konferencija, Vilnius, 2010 m. rugsėjo 21 – 24 d.
41. A. Ivanauskas, A. Kucinskas, H.-G. Ludwig, E. Caffau „3D hydrodynamical CO5BOLD model atmospheres of late-type giants: chemical abundances from molecular lines“, „11th Symposium on Nuclei in the Cosmos (NIC XI)“, Haideberge, Vokietijoje, 2010 m. liepos 19–23 d.
42. Š. Mikolaitis & G. Tautvaišienė, „Stellar energy flux modeling under SYNTSPEC application“, EGEE User Forum, Upsala, 2009 balandis
43. Š. Mikolaitis & G. Tautvaišienė, “Stellar energy flux modeling under gridified software SYNTSPEC”, ELSA konferencija, Paryžius, 2010 birželis
44. G. Tautvaišienė & Š. Mikolaitis, “Carbon and nitrogen as tracers of stellar evolution in red clump stars of open clusters”, JENAM konferencija, Lisabona, 2010 rugsėjo 6-10 d.
45. E.Puzeras & G. Tautvaišienė, “Chemical properties of Hipparcos red clump”, JENAM konferencija, Lisabona, 2010 rugsėjo 6-10 d.
46. E. Stonkutė, G. Tautvaišienė, B. Nordstrom, R. Ženovienė “Chemical composition of a kinamatically idenfified stellar group in the Milky Way”, JENAM konferencija, Lisabona, 2010 rugsėjo 6-10 d.
47. Š. Mikolaitis & G. Tautvaišienė, “Synthetic stellar energy flux modeling under gridified software SYNTSPEC”, ICAMDATA konferencija, Vilnius, 2010 m. rugsėjo 21–24 d.

48. E. Stonkutė, G. Tautvaišienė, B. Nordstrom, R. Ženovienė "Chemical composition of kinamatically identified Galactic stellar groups", ICAMDATA konferencija, Vilnius, 2010 m. rugsėjo 21 – 24 d.
49. A. Ivanauskas, A. Kucinskas, H.-G. Ludwig, E. Caffau „3D hydrodynamical CO5BOLD model atmospheres of late-type giants: chemical abundances from molecular lines“, „11th Symposium on Nuclei in the Cosmos (NIC XI)“, Haideberge, Vokietijoje, 2010 m. liepos 19–23 d.
50. G. Juzeliūno plenarinis pranešimas "Slow and stationary light in atomic media" konferencijoje „Quantum Technologies Conference: Manipulating photons, atoms, and molecules", Toruń, Poland, 29 August – 3 September, 2010.
51. G. Juzeliūno kviečiamasis pranešimas "Exchange of the orbital angular momentum between the light and cold atoms" konferencijoje „International Conference on Optical Orbital Angular Momentum“, York, United Kingdom, 23 - 25 March 2010.
52. J. Rusecko žodinis pranešimas tema „Light-induced Abelian and non-Abelian gauge potentials for cold atoms“ konferencijoje „Quantum Technologies Conference: Manipulating photons, atoms, and molecules", Toruń, Poland, 29 August – 3 September, 2010.
53. J. Rusecko žodinis pranešimas tema „Light-induced Abelian and non-Abelian gauge potentials for cold atoms“ konferencijoje „International Workshop on Quantum Gases in Synthetic Gauge Field“ Tsinghua University, Beijing, China, 23 – 28 August, 2010.
54. J. Rusecko žodinis pranešimas tema „Light-induced Artificial Magnetic Field for Cold Atoms“ konferencijoje „Alexander von Humboldt Forum Science & Society in Modern Europe Dedicated to Millenium of Lithuania and 50 Years of the Laser“ Vilnius, Lithuania, September 23 – 26, 2010.
55. B. Kaulakys, V. Gontis V. and J. Ruseckas, Power-law distributions and 1/f noise from nonlinear stochastic differential equations, DPG Spring Meeting 2010 on Condensed Matter Section, 21-26 March 2010, Regensburg, p.271 (and Report).
56. V. Gontis, J. Ruseckas, A. Kononovicius, M. Alaburda and B. Kaulakys, Nonextensive statistics with application to financial processes from nonlinear stochastic differential equations, DPG Spring Meeting 2010 on Condensed Matter Section, 21-26 March 2010, Regensburg, p.301 (and Poster).
57. A. Mekys, V. Kudriavcov, J. Ruseckas, G. Juzeliunas, Manipulation of Slow Light with Optical Vortices in Quantum Gases, 12-th Conference „Advanced Materials And Technologies“, 27-31 August 2010, Palanga, Lithuania, Abstracts, p. 105.
58. A. Kononovičius and V. Gontis, Stochastic Model of Return matching to the data of financial markets with differing liquidity, Open Readings 2010, 24-27 March 2010, Vilnius, Lithuania, p. 31-32 (and Report).
59. A. Kononovičius and V. Gontis, Empirical analysis of Vilnius Stock Exchange absolute return time series, 2nd Annual Meeting COST Action MP0801: Physics of Competition and Conflicts, 26-28 May 2010, Sunny Beach, Bulgaria, p. 45.
60. V. Gontis and B. Kaulakys, Modeling of financial processes by the nonlinear stochastic differential equations, Intern. Conf. on Operational Research, Munchen, Sept. 1-3, 2010, Program and Abstracts p. 65 (and Report).
61. P. Serapinas and Ž. Ežerinskis, Possibility of asymmetric charge transfer between doubly ionized ions and inert gases in low temperature plasma, International Conference on Atomic and Molecular Data and their Applications, 21-24 September 2010, Vilnius, Book of Abstracts, 2010, p.59.
62. A. Palaima, R. Janciene, Z. Stumbreviciute, A. Vektariene, B.D. Puodziunaite Peculiarities of Interaction of 1,5-Benzodiazepin-2-thiones with p-Substituted

Mokslo populiarinimo straipsniai

1. E. Pakštienė, „Astronomijos ir astronautikos įdomybės 2010 metais”, „Lietuvos Dangus 2011” p. p. 5-42 (2010);
2. V. Milkus „Tamsiosios energijos gniaužtai“, „Lietuvos Dangus 2011”, p. p. 51-55 (2010);
3. K. Černis „2010 metais atrasti asteroidai“, „Lietuvos Dangus 2011”, p. p. 68-73 (2010);
4. K. Černis „Orų kaita astronomo akimis per 50 metų laikotarpį „Lietuvos Dangus 2011”, p. p. 107-116 (2010);
5. V. Straižys „Prieš 50 metų“, „Lietuvos Dangus 2011”, p. p. 68-73 (2010);
6. A. Kazlauskas, R. Kivilšienė „Datos ir jubiliejai 2011 metais“, „Lietuvos Dangus 2011”, p. p. 79-94 (2010);
7. G. Tautvaišienė, interviu “Prie kavos puodelio”, žurnalas Aviacijos pasaulis, 2010, Nr. 2 (vasaris);
8. G. Tautvaišienė, interviu “Raudonojoje knygoje – nakties dangus”, žurnalas Būréja, 2010, Nr. 96 (spalis), p. 36-37;
9. G. Tautvaišienė, interviu “Tyrėjų naktis 2010. Ar įmanoma keliauti laiku”, Delfi, 2010.09.17
10. G. Tautvaišienė, interviu ”Mokslo šventė Tyrėjų naktis 2010”, laikraštis Molėtų žinios, 2010.09.21 Nr. 70;
11. G. Tautvaišienė, interviu ”Moteris, skinanti žvaigždes nuo dangaus skliauto”, laikraštis Vakarų ekspresas, 2010.10.23, p. 9–10;
12. G. Tautvaišienė ir V. Milkus ”Žmonių namai kosmose”, žurnalas Aviacijos pasaulis, 2010, Nr. 5;
13. G. Tautvaišienė, interviu ”Moteris, kurios vardas skrieja kosmose”, laikraštis Šilutės naujienos, 2010.11.04, Nr. 81;
14. G. Tautvaišienė, interviu ”Iš paukščio skrydžio”, laikraštis Molėtų žinios, 2010.11.03;
15. G. Tautvaišienė, interviu ”VU mokslo potencialą sustiprins mokslo institutai: Teorinės fizikos ir astronomijos institutas – jau metai VU”, laikraštis Universitas Vilnensis, 2010, Nr. 5 (gruodis);
16. V. Milkus „Visatos paslapčių labirinte“, žurnalas Mokslas ir Gyvenimas, 2010, Nr.1, p.34-35;
17. V. Milkus „Amžinoji valdovė – gravitacija“, žurnalas Mokslas ir gyvenimas, 2010, Nr.5-6, p.8- 9.
18. G. Gaigalas, „Kas lemia aukštojo mokslo kokybę?“ Šviesa, Nr. 1, 2010, p. 2.
19. G. Gaigalas, „Atomo fizikų susitikimas“ Mokslas ir gyvenimas, Nr.11-12, 2010, p. 10 – 11.
20. G. Gaigalas, „Atomo fizikai susitinka už bendro stalo“, Šviesa, Nr.10, 2010, p.5.
21. Z. R. Rudzikas. Peržengus 70-ties metų slenkstį. Mokslas ir technika, 2010/9.
22. Z. R. Rudzikas ir kt. Aštuonios Europos Ekonomikos ir socialinių reikalų komiteto publikacijos („Nuomonės“ 22 kalbomis).
23. A. Kazlauskas ir R. Kivilšienė. Datos ir jubiliejai 2011 metais, Lietuvos dangus 2011, 2010, p. 79–94.

24. A. Momkauskaitė. Profesoriaus Adolfo Jucio memorialinis kambarys // Lietuvos mokslo istorikų sąvadas. Astronomija, fizika. – Vilnius: VU leidykla, 2010. – T. 1, p. 67–72.
25. A. Tamulis “Kvantinės mechaninės sąveikos tarp molekulių salygojo pirminės gyvybės ir genetinės medžiagos atsiradimą”, <http://mokslofestivalis.eu/lt/news/337/40/Kvantines-mechanines-saveikos-tarp-molekulių-salygojo-pirmines-gyvybes-ir-genetines-medziagos-atsiradima>.