

Списък на статиите и докладите, изнесени на научни конференции
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Статии

Участие в конкурса за доцент, обявен в Държавен вестник бр. 21 с 30 публикации (17 с IF и 7 с SJR), от които 8, означени със звездичка, са включени в дисертацията (4 с IF и 2 с SJR).

1. M.T. Primatarowa, K.T. Stoychev and R.S. Kamburova, Exciton solitons in molecular crystals, *Phys. Rev. B* **52**, 15291-15297 (1995); IF 2.834.
2. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Soliton dynamics in gyrotropic molecular chains with different symmetries, *Balkan Physics Letters* **3**, 20-25 (1995).
3. M.T. Primatarowa and R.S. Kamburova, Soliton transfer in low-dimensional complex systems, *Proc. 10th ISCMP "Thin film materials and devices - developments in science and technology"*, 1-4 Sept. 1998 Varna, eds. J.M. Marshall, N. Kirov and A. Vavrek, World Sci. Singapore, p. 401 (1999).
4. *R.S. Kamburova and M.T. Primatarowa, Soliton dynamics in two waveguides with dispersion properties of the linear coupling coefficient, *J. Nonlin. Opt. Phys. & Materials* **8**, 477 (1999); IF 0.62¹.
5. *M.T. Primatarowa and R.S. Kamburova, Soliton dynamics in three coupled molecular chains, *phys. stat. sol. (b)* **217**, 769 (2000); IF 0.746.
6. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Soliton interactions in gyrotropic crystals, *J. Phys.: Condens. Matter* **12**, 10429 (2000); IF 1.608.
7. *R.S. Kamburova and M.T. Primatarowa, Nonlinear dynamics of ultrashort optical pulses in parallel waveguides, *Proc. 11th ISCMP "Materials for Technology in the New Millennium"*, 3-8 Sept. 2000 Varna, eds. J.M. Marshall et al., Bookcraft, Bath, UK, p. 408 (2001).
8. M.T. Primatarowa, K.T. Stoychev and R.S. Kamburova, Soliton dynamics in chiral molecular chains with first- and third-neighbour interactions, *Eur. Phys. J. B* **29**, 291-294 (2002); IF 1.775.
9. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Resonant scattering of nonlinear Schrödinger solitons from potential wells, *Phys. Rev. E* **70**, 066622(5) (2004); IF 2.418.
10. M.T. Primatarowa, K.T. Stoychev, R.S. Kamburova, Interaction of solitons with extended nonlinear defects, *Phys. Rev. E*, **72**, p. 036608 (2005). IF 2.418.
11. K.T. Stoychev, M.T. Primatarowa, and R.S. Kamburova, Interaction of solitons with segments with modified dispersion, *Phys. Rev. E* **73**, 066611 (2006); IF 2.43.
12. M.T. Primatarowa, R.S. Kamburova, and K.T. Stoychev, Interaction of solitons with localized nonlinear defects, *JOAM* **9** (1), 152 (2007); IF 0.827.
13. K.T. Stoychev, M.T. Primatarowa, and R.S. Kamburova, Resonant interaction of solitons with extended defects, *JOAM* **9** (1), 155 (2007); IF 0.827

¹ Публикациите означени със звездичка са включени в дисертацията за присъждане на образователната и научна степен доктор.

14. K.T. Stoychev, M.T. Primatarowa, and R.S. Kamburova, Resonant interaction of solitons with extended inhomogeneities, AIP, 899, p. 621 (2007); SJR 0.146.
15. *M.T. Primatarowa, K.T. Stoychev and R.S. Kamburova, Interaction of solitons with bond defects in discrete nonlinear Schrödinger chains, Phys. Rev. E 77, 066604(5) (2008); IF 2.508.
16. *R.S. Kamburova, K.T. Stoychev and M.T. Primatarowa, Interaction of discrete solitons with bond defects in NLS chains, J. Optoe. Adv. Mat. - Symposia **1**, 509-512 (2009).
17. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Interaction of solitons with point defects in molecular chains, J. Optoe. Adv. Mat. - Symposia **1**, 513-516 (2009).
18. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Interaction of solitons with defects and inhomogeneities in crystals, J. Optoe. Adv. Mat. **11**, 1128-1134 (2009); IF 0.433; 1.1.
19. *M.T. Primatarowa, R.S. Kamburova and K.T. Stoychev, Interaction of narrow solitons with point defects in nonlinear lattices, J. Optoe. Adv. Mat. **11**, 1388-1391 (2009); IF 0.433; 1.1.
20. M.T. Primatarowa and R.S. Kamburova, Bound soliton-impurity solutions in lattices with cubic-quintic nonlinearities, AIP Conference Proceedings **1203**, 240-245 (2010).
21. *R.S. Kamburova and M.T. Primatarowa, Interaction of soliton with impurities in two coupled nonlinear chains, AIP Conference Proceedings **1203**, 261-266 (2010); SJR 0.15.
22. M. T. Primatarowa, R.S. Kamburova, Dark soliton dynamics in classical one-dimensional spin systems, Journal of Physics: Conference Series **253** 012022, 7 pages, (2010); SJR 0.15.
23. K. T. Stoychev, R. S. Kamburova and M. T. Primatarowa , Vibrational vector solitons in biaxial crystals, Journal of Physics: Conference Series **253**, 012021, 5 pages, (2010); SJR 0.15
24. M.T. Primatarowa, R.S. Kamburova, Dark solitons in ferromagnetic chains with first- and second-neighbor interactions, Cent. Eur. J. Phys. **10**, (2012); ISSN 1644-3608; IF 0.905.
25. *M.T. Primatarowa and R.S. Kamburova, Dynamics of narrow solitons in two Ablowitz-Ladik chains with different interchain couplings, J. Phys.: Conf. Ser. **398**, 012041 (2012); ISSN 1742-6596; SJR 0.217.
26. M.T. Primatarowa and R.S. Kamburova, Interaction of narrow dark solitons with impurities in nonlinear lattices, Romanian Reports in Physics **65**, 2, 374-382 (2013); IF 1.137
27. R.S. Kamburova and M.T. Primatarowa, Soliton dynamics in ferromagnetic chains with first- and second-neighbor interactions, Romanian Reports in Physics **65**, 4, 1170-1177 (2013); IF 1.137.
28. M. T. Primatarowa and R. S. Kamburova, One-dimensional dark solitons in lattices with higher-order nonlinearities, J. Phys. Conf. Ser. **558**, 012021 (2014); ISSN 1742-6588; SJR: 0.19.
29. R. S. Kamburova and M. T. Primatarowa, Soliton-impurity interaction in two Ablowitz-Ladik chains with different coupling, J. Phys. Conf. Ser. **558**, 012022 (2014); ISSN 1742-6588; SJR: 0.19.
30. R. S. Kamburova and M. T. Primatarowa, Scattering of solitons from point defect in two Ablowitz-Ladik chains, Bulg. Chem. Communic. **47**, 282-286 (2015); ISSN 0324-1130; IF 0.349.

Доклади на конференции

1. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Soliton dynamics in gyrotropic molecular chains, 14 General Conference of the CMD of the EPS, Madrid, 28.-31.3., 1994, p. 489.
2. M.T. Primatarowa, K.T. Stoychev and R.S. Kamburova, Electronic exciton-solitons in molecular chains, 2 General Conference of the Balkan Physical Union, Izmir, 12-14 Sept. 1994, p. 40.
3. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Soliton dynamics in gyrotropic molecular chains with different symmetries, 2 General Conference of the Balkan Physical Union, Izmir, 12-14 Sept. 1994, p. 6.
4. M.T. Primatarowa and R.S. Kamburova, Soliton transfer in low-dimensional complex systems, 10th ISCMP "Thin film materials and devices - developments in science and technology", Varna, 1-4 Sept. 1998.
5. *R.S. Kamburova and M.T. Primatarowa, Nonlinear dynamics of ultrashort optical pulses in parallel waveguides, 11th ISCMP "Materials for Information Technology in the New Millennium", Varna, 3-8 Sept. 2000, p.16.²
6. M.T. Primatarowa, K.T. Stoychev and R.S. Kamburova, Soliton dynamics in chiral molecular chains, Intern. Conference on Geometry, Integrability and Nonlinearity in Condensed Matter & Soft Condensed Matter Physics, July 15-20, 2001, Bansko, Bulgaria, p. 28.
7. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Resonant interaction of solitons with extended inhomogeneities, 6th International Conference of the Balkan Physical Union, Istanbul, 22-26 August 2006, p. 769.
8. M.T. Primatarowa, R.S. Kamburova and K.T. Stoychev, Interaction of solitons with localized nonlinear defects, 14 ISCMP "Advances in the Micro and Nano Physics of Solid and Soft Matter", Varna, 17-22 Sept. 2006, p.10.
9. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Resonant interaction of solitons with extended defects, 14 ISCMP "Advances in the Micro and Nano Physics of Solid and Soft Matter", Varna, 17-22 Sept. 2006, p. 10.
10. *R.S. Kamburova, K.T. Stoychev and M.T. Primatarowa, Interaction of discrete solitons with bond defects in NLS chains, Condensed Matter Physics Conference of Balkan Countries, Mugla, Turkey, 26-28 May 2008, p. 210.
11. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Interaction of solitons with point defects in molecular chains, Condensed Matter Physics Conference of Balkan Countries, Mugla, Turkey, 26-28 May 2008, p. 216.
12. K.T. Stoychev, M.T. Primatarowa and R.S. Kamburova, Interaction of solitons with defects and inhomogeneities in crystals, 15 ISCMP "Interfaces, Thin Solid Films and Biomolecular Layers", Varna, 31 Aug. - 5 Sept. 2008, p. 7.
13. *M.T. Primatarowa, R.S. Kamburova and K.T. Stoychev, Interaction of narrow solitons with point defects in nonlinear lattices, 15 ISCMP "Interfaces, Thin Solid Films and Biomolecular Layers", Varna, 31 Aug. - 5 Sept. 2008, p. 20.
14. *R.S. Kamburova and M.T. Primatarowa, Interaction of soliton with impurities in two coupled nonlinear chains, 7th General Conference of the Balkan Physical Union, Alexandroupolis, 9-13 September 2009, p. 53.

² Докладите означени със звездичка са включени в дисертацията за присъждане на образователната и научна степен доктор.

15. M.T. Primatarowa and R.S. Kamburova, Bound soliton-impurity solutions in lattices with cubic-quintic nonlinearities, 7th General Conference of the Balkan Physical Union, Alexandroupolis, 9-13 September 2009, p. 53.
16. K.T. Stoychev, R.S. Kamburova and M.T. Primatarowa, Vibrational vector solitons in biaxial crystals, 16 ISCMP "Progress in Solid State and Molecular Electronics, Ionics and Photonics", Varna, 29 Aug. - 3 Sept. 2010, p. 11.
17. M.T. Primatarowa and R.S. Kamburova, Dark soliton dynamics in classical one-dimensional spin systems, 16 ISCMP "Progress in Solid State and Molecular Electronics, Ionics and Photonics", Varna, 29 Aug. - 3 Sept. 2010, p. 11.
18. R.S. Kamburova and M.T. Primatarowa, Soliton dynamics in ferromagnetic chains with first- and second-neighbor interactions, The 8th General Conference of Balkan Physical Union, Ovidius University of Constanta, 5-7 July 2012, p. 52.
19. M.T. Primatarowa and R.S. Kamburova, Interaction of narrow dark solitons with impurities in nonlinear lattices, The 8th General Conference of Balkan Physical Union, Ovidius University of Constanta, 5-7 July 2012, p. 55.
20. *M.T. Primatarowa and R.S. Kamburova, Interaction of narrow solitons with impurities in two coupled nonlinear chains, 17 ISCMP "Open Problems in Condensed Matter Physics, Biomedical Physics and their Applications", Varna, 2 - 7 Sept. 2012, p. 12.
21. M.T. Primatarowa and R.S. Kamburova, One-dimensional solitons in lattices with higher-order nonlinearities, 18 ISCMP "Challenges of Nanoscale Science: Theory, Materials, Applications", Varna, 1 - 6 Sept. 2014, p. 23.
22. R.S. Kamburova and M.T. Primatarowa, Soliton-impurity interaction in two Ablowitz-Ladik chains with different coupling, 18 ISCMP "Challenges of Nanoscale Science: Theory, Materials, Applications", Varna, 1 - 6 Sept. 2014, p. 24.