

## List of publications

1. G. Gligoric, A. Radosavljevic, J. Petrovic, A. Maluckov, Lj. Hadzievski, B. A. Malomed, 'Models of spin-orbit coupled oligomers', will be published in CHAOS.
2. A. Radosavljevic, G. Gligoric, P. P. Belicev, A. Maluckov, M. Stepic, 'Light propagation in binary kagome ribbons with evolving disorder', *Physical Review E* 96, 012225 (2017). <https://journals.aps.org/pre/abstract/10.1103/PhysRevE.96.012225>
3. A. Mancic, A. Maluckov, Lj. Hadzievski, 'Influence of disorder on generation and probability of extreme events in Salerno lattices', *Phys. Rev. E* 95, 032212 (2017). <https://doi.org/10.1103/PhysRevE.95.032212>
4. G. Gligorić, A. Maluckov, Lj. Hadžievski, S. Flach, B. A. Malomed, Nonlinear localized flat-band modes with spin-orbit coupling, *Physical Review B* 94, 144302 (2016). <https://doi.org/10.1103/PhysRevB.94.144302>
5. G. Gligoric, A. Maluckov, Lj. Hadzievski, G. Ya Slepyan and B. A. Malomed, 'Soliton nanoantennas in two-dimensional arrays of quantum dots', *J. Physics: Condensed Matter* 27, 225301 (2015). <http://journals.aps.org/pre/abstract/10.1103/PhysRevE.92.052916>
6. Ljupco Hadzievski, Aleksandra Maluckov, Alexander M. Rubenchik, and Sergei Turitsyn, 'Stable optical vortices in nonlinear multicore fibers', *Light Science & Applications* 4, e314 (2015). <http://www.nature.com/lisa/journal/v4/n8/full/lisa201587a.html>
7. Belicev Petra B, Gligoric Goran, Radosavljevic Ana, Maluckov Aleksandra, Stepic Milutin S, Vicencio R A, Johansson M, , 'Localized modes in nonlinear binary kagome ribbons', *Physical Review E* 92, 052916 (2015). <http://journals.aps.org/pre/abstract/10.1103/PhysRevE.92.052916>
8. Nevena Raicevic, Aleksandra Maluckov, and Jovana Petrovic, 'Theoretical analysis of a Mach-Zehnder interferometer with a porous-film waveguide', *Journal of Optics* 17, 055802 (2015). <http://iopscience.iop.org/article/10.1088/2040-8978/17/5/055802/meta>
9. A. Radosavljevic, A. Danicic, J. Petrovic, A. Maluckov, Lj. Hadzievski, 'Coherent light propagation through multicore optical fibers with linearly coupled cores', *J. Opt. Soc. Am. B* 32, 2520 (2015). <https://www.osapublishing.org/josab/abstract.cfm?uri=josab-32-12-2520>
10. Ana Radosavljevic, Goran Gligoric, Aleksandra Maluckov, Milutin Stepic, 'Manipulation of light beam propagation in one-dimensional photonic lattices with linear refractive index profile', *Optics Communications* 335, 194 (2015). <http://www.sciencedirect.com/science/article/pii/S0030401814008645>
11. Belicev Petra P, Gligoric Goran, Petrovic Jovana S, Maluckov Aleksandra, Hadzievski Ljupco R, Malomed Boris, 'Composite localized modes in discretized spin-orbit coupled Bose-Einstein condensates', *Journal of Physics B-Atomic, Molecular and Optical Physics* 48, 065301 (2015). <http://iopscience.iop.org/article/10.1088/0953-4075/48/6/065301/meta>

12. Kuzmanovic Slavica, Stojanovic-Krasic Marija, Milovic Daniela, Radosavljevic Ana, Gligoric Goran, Maluckov Aleksandra, Stepic Milutin, 'Defect induced wave-packet dynamics in linear photonic lattices', *Physica Scripta* 90, 025505 (2015).  
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13. Kuzmanovic Slavica, Stojanovic-Krasic Marija, Milovic Daniela, Miletic Marjan, Radosavljevic Ana, Gligoric Goran, Maluckov Aleksandra, Stepic Milutin, 'Light propagation inside 'cavity' formed between nonlinear defect and interface of two one dimensional linear photonic lattices', *European Physical Journal D* 69, 207 (2015).  
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