

Список основных публикаций официального оппонента

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в рецензируемых научных изданиях по теме диссертации за последние 5 лет

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2. **A. Novitsky**, T. Repän, R. Malureanu, O. Takayama, E. Shkondin, and A. V. Lavrinenko, “Examination of metamaterial solid immersion lenses for subwavelength optical manipulation,” *J. Phys.: Conf. Ser.* **1461**, 012121 (2020).
3. N. A. Kostina, D. A. Kislov, A. N. Ivinskaya, A. Proskurin, D. N. Redka, **A. Novitsky**, P. Ginzburg, and A. S. Shalin, “Nanoscale tunable optical binding mediated by hyperbolic metamaterials,” *ACS Photonics* **7** (2), 425–433 (2019).
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7. V. Popov, A. V. Lavrinenko, and **A. Novitsky**, “Surface waves on multilayer hyperbolic metamaterials: operator approach to effective medium approximation,” *Phys. Rev. B* **97** (12), 125428 (2018).
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11. V. Popov and **A. Novitsky**, “Spatially-dispersive surface modes on interfaces of layered hyperbolic metamaterials,” *AIP Conf. Proc.* **1874** (1), 040040 (2017).
12. T. Zhu, **A. Novitsky**, Y. Cao, M. R. C. Mahdy, L. Wang, F. Sun, Z. Jiang, and W. Ding, “Mode conversion enables optical pulling force in photonic crystal waveguides,” *Appl. Phys. Lett.* **111** (6), 061105 (2017).
13. V. Popov, A. V. Lavrinenko, and **A. Novitsky**, “Operator approach to effective medium theory to overcome a breakdown of Maxwell Garnett approximation,” *Phys. Rev. B* **94** (8), 085428 (2016).