

Список публикаций по теме диссертации ведущей организации Федеральное государственное автономное образовательное учреждение высшего образования «Национальный исследовательский университет «ИТМО».

1. Oleh Yermakov, Anna Hurshkainen, Dmitry Dobrykh, Polina Kapitanova, Ivan Iorsh, Stanislav Glybovski, Andrey Bogdanov, Polarization hybridization of surface waves on anisotropic metasurface, *Journal of Physics: Conference Series* **1461**, 012196 (2020).
2. Vasily Kravtsov, Ekaterina Khestanova, Fedor Benimetskiy, Tatiana Ivanova, Anton Samusev, Ivan Sinev, Dmitry Pidgayko, Alexey Mozharov, Maksim S. Lozhkin, Yuri V. Kapitonov, Andrey S. Brichkin, Vladimir D. Kulakovskii, Ivan Shelykh, Alexander I. Tartakovskii, Paul M. Walker, Maurice S. Skolnick, Dmitry N. Krizhanovskii, Ivan Iorsh, Nonlinear polaritons in a monolayer semiconductor coupled to optical bound states in the continuum, *Light: Science and Applications*, **9** (2020).
3. Ivan Sinev, Filipp Komissarenko, Ivan Iorsh, Dmitry Permyakov, Anton Samusev, Andrey Bogdanov, Steering of Guided Light with Dielectric Nanoantennas, *ACS Photonics* **7**, 680, (2020).
4. Fedor Benimetskiy, V. A. Sharov, P. A. Alekseev, Vasily Kravtsov, Kirill Agapev, Ivan Sinev, A. Catanzaro, Roman Polozkov, E. M. Alexeev, A. I. Tartakovskii, Anton Samusev, M. S. Skolnick, D. N. Krizhanovskii, Ivan Shelykh, Ivan Iorsh, Measurement of local optomechanical properties of a direct bandgap 2D semiconductor, *APL Materials*, **7**, 101126, (2019).
5. Ivan Sinev, Filipp Komissarenko, Mihail Petrov, Ivan Iorsh, Pavel Belov, Anton Samusev, Near-field optical microscopy of surface plasmon polaritons excited by silicon nanoantenna, *Nanosystems: Physics, Chemistry, Mathematics* **9**, 609-613 (2019).
6. Valerii Kozin, Ivan Iorsh, Ivan Shelykh, Quantum Rings Dressed by a High-Frequency Electromagnetic Field, *Semiconductors* **52**, 1806–1808 (2019).
7. Oleh Yermakov, Anna Hurshkainen, Dmitry Dobrykh, Polina Kapitanova, Ivan Iorsh, Stanislav Glybovski, Andrey Bogdanov, Experimental observation of hybrid TE-TM polarized surface waves supported by hyperbolic metasurface, *Physical Review B* **98**, 195404 (2018).
8. Kirill Koshelev, Zarina Sadrieva, Andrey Bogdanov, Ivan Iorsh, Strong coupling between excitons in transition metal dichalcogenides and optical bound states in the continuum, *Physical Review B* **98**, 161113(R) (2018).
9. Valerii Kozin, Ivan Iorsh, Ivan Shelykh, Quantum ring with the Rashba spin-orbit interaction in the regime of strong light-matter coupling, *Physical Review B* **97**, 155434 (2018).
10. Valerii Kozin, Ivan Iorsh, Ivan Shelykh, Periodic array of quantum rings strongly coupled to circularly polarized light as a topological insulator, *Physical Review B* **97**, 35416 (2018).
11. Dmitry Filonov, Alexander Shalin, Ivan Iorsh, Pavel Belov, Controlling electromagnetic scattering with wire metamaterial resonators, *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **33**, 1910 (2016).