

Список публикаций официального оппонента доктора физико-математических наук, профессора Гиппиуса Николая Алексеевича (Центр фотоники и квантовых материалов, Сколтех, Москва) по теме диссертации за последние 5 лет:

1. D. A. Chermoshentsev, E. V. Anikin, S. A. Dyakov and N. A. Gippius. "Dimensional confinement and waveguide effect of Dyakonov surface waves in twisted confined media" *Nanophotonics*, **9**, 4785-4797 (2020).
2. S. A. Dyakov, I. M. Fradkin, N. A. Gippius, L. Klompmaker, F. Spitzer, E. Yalcin, I. A. Akimov, M. Bayer, D. A. Yavsin, S. I. Pavlov, A. B. Pevtsov, S. Y. Verbin, and S. G. Tikhodeev. "Wide-band enhancement of the transverse magneto-optical Kerr effect in magnetite-based plasmonic crystals" *Phys. Rev. B* **100**, 214411 (2019).
3. A. V. Uvarov, S. S. Gavrilov, V. D. Kulakovskii, and N. A. Gippius. "Stochastic and deterministic switches in a bistable polariton micropillar under short optical pulses" *Phys. Rev. A* **99**, 033837 (2019).
4. A. A. Demenev, A. S. Brichkin, S. S. Gavrilov, N. A. Gippius & V. D. Kulakovskii. "Dynamic Compression of Spinor Exciton-Polariton Systems in Semiconductor Microcavities" *Semiconductors* **52**, 1827–1832 (2018).
5. A. A. Demenev, N. A. Gippius & V. D. Kulakovskii. "Dynamics of a Spinor Exciton–Polariton System in Laterally Strained GaAs Microcavities under Resonant Photoexcitation" *Physics of the Solid State* **60**, 1582–1589 (2018).
6. V. D. Kulakovskii, S. S. Gavrilov & N. A. Gippius. "Dynamic compression of exciton-polariton condensates in semiconductor microcavities" *JETP Letters* **106**, 686–691 (2017).