

**Список публикаций официального оппонента
Тиходеева Сергея Григорьевича**

1. Dominik Floess, Thomas Weiss, Sergei Tikhodeev, and Harald Giessen, Lorentz Nonreciprocal Model for Hybrid Magnetoplasmonics. *Phys. Rev. Lett.* **117**, 063901(2016).
2. С. С. Гаврилов, С. И. Новиков, В. Д. Кулаковский, Н. А. Гиппиус, А. А. Чернов, С. Г. Тиходеев, Спектроскопия околовонденсатных мод в системе экситон-поляритонов в полупроводниковом микрорезонаторе. *Письма в ЖЭТФ* **101**, 9 (2015).
3. Sergey V. Lobanov, Thomas Weiss, Nikolay A. Gippius, Sergei G. Tikhodeev, Vladimir D. Kulakovskii, Kuniaki Konishi, and Makoto Kuwata-Gonokami, Polarization control of quantum dot emission by chiral photonic crystal slabs. *Optics Letters* **40**, 1528-1531 (2015).
4. S. V. Lobanov, S. G. Tikhodeev, N. A. Gippius, A. A. Maksimov, E. V. Filatov, I. I. Tartakovskii, V. D. Kulakovskii, T. Weiss, C. Schneider, J. Geßler, M. Kamp and S. Höfling, Controlling circular polarization of light emitted by quantum dots using chiral photonic crystal slabs. *Phys. Rev. B* **92**, 205309 (2015).
5. Yulia E. Shchadilova, Sergei G. Tikhodeev, Magnus Paulsson, and Hiromu Ueba, Rotation of a Single Acetylene Molecule on Cu(001) by Tunneling Electrons in STM. *Phys. Rev. Lett.* **111**, 186102 (2013).
6. S. A. Dyakov, A. Baldycheva, T. S. Perova, G. V. Li, E. V. Astrova, N. A. Gippius, and S. G. Tikhodeev, Surface states in the optical spectra of two-dimensional photonic crystals with various surface terminations, *Phys. Rev. B* **86**, 115126 (2012).
7. Nikolay A. Gippius, Thomas Weiss, Sergei G. Tikhodeev, and Harald Giessen, Resonant mode coupling of optical resonances in stacked nanostructures, *Optics Express* **18**, 7569 (2010).
8. Л. В. Келдыш и С.Г. Тиходеев, Интенсивная поляритонная волна вблизи порога стимулированного рассеяния. *ЖЭТФ* **90**, 1852 (1986).
9. N. A. Gippius, S. G. Tikhodeev, and T. Ishihara, Optical properties of photonic crystal slabs with an asymmetrical unit cell, *Phys. Rev. B* **72**, 045138 (2005).
10. Ryoko Shimada, Alexander L. Yablonskii, Sergei G. Tikhodeev, and Teruya Ishihara, Transmission Properties of a Two-Dimensional Photonic Crystal Slab With an Excitonic Resonance. *IEEE J. Quantum Electronics* **38**, 872 (2002).
11. S. G. Tikhodeev, A. L. Yablonskii, E. A. Muljarov, N. A. Gippius, and Teruya Ishihara, Quasiguided modes and optical properties of photonic crystal slabs. *Phys. Rev. B* **66**, 045102 (2002).
12. A. Christ, S. G. Tikhodeev, N. A. Gippius, J. Kuhl, and H. Giessen, Waveguide-Plasmon Polaritons: Strong Coupling of Photonic and Electronic Resonances in a Metallic Photonic Crystal Slab, *Phys. Rev. Lett.* **91**, 183901 (2003).