

Список основных публикаций Тиходеева С.Г.

в рецензируемых научных изданиях по теме диссертации за последние 5 лет.

1. **S. G. Tikhodeev**, E. A. Muljarov, W. Langbein, N. A. Gippius, H. Giessen, and T. Weiss, "Influence of disorder on a Bragg microcavity", *JOSA B* 38, 139 (2021) DOI: 10.1364/JOSAB.402986. **SJR2019:Q2**
2. S.I. Pavlov, S.A. Dyakov, A.I. Solomonov, A.V. Nashchekin, N.A. Feoktistov, N.A. Gippius, **S. G. Tikhodeev**, I.M. Fradkin, A.B. Pevtsov, "Fourier-Imaging Spectroscopy of Two-Dimensional Gold Nanodisk Array on Photoluminescent Layer", *Semiconductors* 54, 1893 (2020). DOI: 10.1134/S1063782620140225. **SJR2019:Q4**
3. S. A. Dyakov, N. A. Gippius, I.M. Fradkin, **S. G. Tikhodeev**, "Vertical Routing of Spinning-Dipole Radiation from a Chiral Metasurface", *Physical Review Applied* 14, 024090 (2020). DOI: 10.1103/physrevapplied.14.024090. **SJR2019:Q1**
4. M.S. Komlenok, **S. G. Tikhodeev**, A.A. Khomich, S.P. Lebedev, G.A. Komandin, V.I. Konov, "Optical properties of laser-modified diamond: From visible to microwave range", *Quantum Electronics* 49, 672-675 (2019). DOI: 10.1070/qel16930. **SJR2019:Q2**
5. M. Jäckle, Y. Linnenbank, M. Hentschel, M. Saliba, **S.G.Tikhodeev**, H. Giessen, "Tunable green lasing from circular grating distributed feedback based on CH₃NH₃PbBr₃ perovskite", *Optical Materials Express* 9, 2006 (2019). DOI: 10.1364/ome.9.002006. **SJR2019:Q1**
6. S. A. Dyakov, I.M. Fradkin, N. A. Gippius, L. Klompaker, F. Spitzer, E. Yalcin, I. A. Akimov, M. Bayer, D.A. Yavsin, S.I. Pavlov, A.B. Pevtsov, S.Y. Verbin, V. **S. G. Tikhodeev**, "Wide-band enhancement of the transverse magneto-optical Kerr effect in magnetite-based plasmonic crystals", *Physical Review B* 100, 214411 (2019). DOI: 10.1103/PhysRevB.100.214411. **SJR2019:Q1**
7. M.S. Komlenok, **S. G. Tikhodeev**, N. Weiss, S.P. Lebedev, G.A. Komandin, V.I. Konov, "All-carbon diamond/graphite metasurface: Experiment and modeling", *Applied Physics Letters* 113, 041101 (2018). DOI: 10.1063/1.5037844. **SJR2019:Q1**
8. S. A. Dyakov, V. A. Semenenko, N. A. Gippius, **S. G. Tikhodeev**, "Magnetic field free circularly polarized thermal emission from a chiral metasurface", *Physical Review B* 98, 235416 (2018). DOI: 10.1103/PhysRevB.98.235416 **SJR2019:Q1**

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10. S. A. Dyakov, F. Spitzer, I. Akimov, D. A. Yavsin, S. I. Pavlov, S. Y. Verbin, **S. G. Tikhodeev**, N. A. Gippius, A. B. Pevtsov, M. Bayer, “Transverse Magneto-Optical Kerr Effect in Magnetite Covered by Array of Gold Nanostripes”, *Semiconductors* 52, 1857-1860 (2018). DOI: 10.1134/S1063782618140099.
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11. S. A. Dyakov, D. M. Zhigunov, A. Marinins, O. A. Shalygina, P. P. Vabishchevich, M. R. Shcherbakov, D. E. Presnov, A. A. Fedyanin, P. K. Kashkarov, S. Popov, N. A. Gippius, and S. G. Tikhodeev, “Plasmon induced modification of silicon nanocrystals photoluminescence in presence of gold nanostripes”, *Sci. Reports* 8, 4911 (2018). DOI: 10.1038/s41598-018-22633-x.
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12. H. Linnenbank, M. Saliba, L. Gui, B. Metzger, **S. G. Tikhodeev**, J. Kadro, G. Nasti, A. Abate, A. Hagfeldt, M. Graetzel, and H. Giessen, “Temperature dependent two-photon photoluminescence of $\text{CH}_3\text{NH}_3\text{PbBr}_3$: structural phase and exciton to free carrier transition”, *Optical Materials Express* 8, 511 (2018). DOI: 10.1364/OME.8.000511. **SJR2019:Q1**
13. S. V. Lobanov, N. A. Gippius, **S. G. Tikhodeev**, and L. V. Butov, "Control of light polarization by voltage in excitonic metasurface devices", *Appl. Phys. Lett.* 111, 241101 (2017). DOI: 10.1063/1.5005827. **SJR2019:Q1**
14. A. A. Maksimov, A. B. Peshcherenko, E. V. Filatov, I. I. Tartakovskii, V. D. Kulakovskii, **S. G. Tikhodeev**, S. V. Lobanov, C. Schneider, S. Höfling, “Polarization, spectral, and spatial emission characteristics of chiral semiconductor nanostructures”, *JETP Letters* 106, 643–647 (2017). DOI: 10.1134/S002136401722012X. **SJR2019:Q2**
15. S. A. Dyakov, N. A. Gippius, M. M. Voronov, S. A. Yakovlev, A. B. Pevtsov, I. A. Akimov, and **S. G. Tikhodeev**, "Quasiguided modes of opaline photonic crystals covered by $\text{Ge}_2\text{Sb}_2\text{Te}_5$ ", *Phys. Rev. B* 96, 045426 (2017). DOI: 10.1103/PhysRevB.96.045426. **SJR2019:Q1**
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Induced Absorption Leads to Giant Thin Film Faraday Rotation of 14 deg",
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