**Сведения об официальном оппоненте**

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| Полное и сокращенное наименование организации, являющейся основным местом работы | Федеральное государственное бюджетное учреждение науки Институт радиотехники и электроники им. В. А. Котельникова Российской академии наук (ИРЭ им. В.А. Котельникова РАН) |
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| Список основных публикаций по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15) | 1. Smirnov A.M. et al. Thermal Switching of Lasing Regimes in Heavily Doped Er 3+ Fiber Lasers // ACS Photonics. 2018. Vol. 5, № 12. P. 5038–5046. 2. S.M. Popov, O.V. Butov, Y.K. Chamorovski, V.A. Isaev, P. Mégret. D.A. Korobko, I.O. Zolotovskii, A.A. Fotiadi, “Narrow linewidth short cavity Brillouin random laser based on Bragg Grating array fiber and dynamical population inversion grating”, Results in Physics 9 (2018) 806–808 3. .P. Bazakutsa, A.A Rybaltovsky, O.V. Butov, “Effect of hydrogen loading and UV irradiation on the gain of Er3+-doped fibers”, Journal of the Optical Society of America B, Vol.36, No.9, pp. 2579-2586 (Sept. 2019) 4. Butov O. v. et al. All-Fiber Highly Sensitive Bragg Grating Bend Sensor // Sensors. 2019. Vol. 19, № 19. P. 4228. 5. Smirnov A.M., Butov O. v. All-fiber heavily ytterbium-doped, passively mode-locked laser with the 456 MHz repetition rate // Optics Letters. 2019. Vol. 44, № 20. P. 5065. 6. Rybaltovsky A.A. et al. Photosensitivity of composite erbium-doped phosphorosilicate optical fibres to 193-nm laser radiation // Quantum Electronics. 2019. Vol. 49, № 12. P. 1132–1136. 7. Rybaltovsky A.A. et al. Continuous-wave operation of an erbium-doped short-cavity composite fiber laser // Results in Physics. 2020. Vol. 16. P. 102832. 8. Laktaev I.D. et al. Second harmonic generation in colloidal CdSe/CdS nanoplatelets // Results in Physics. 2020. Vol. 19. P. 103503. 9. Stepanov K. v. et al. The Sensitivity Improvement Characterization of Distributed Strain Sensors Due to Weak Fiber Bragg Gratings // Sensors. 2020. Vol. 20, № 22. P. 6431. 10. Rybaltovsky A.A. et al. Photosensitive highly Er/Yb co-doped phosphosilicate optical fibers for continuous-wave single-frequency fiber laser applications // Journal of the Optical Society of America B. 2020. Vol. 37, № 10. P. 3077. 11. A.A. Rybaltovsky, O.V. Butov, S.A. Vasiliev, I.A. Nechepurenko, O.N. Egorova, S.L. Semjonov, B.I. Galagan, B.I. Denker, S.E. Sverchkov, “Continuous-wave operation of an erbium-doped short-cavity composite fiber laser,” Results in Physics, 16 (2020), 102832 12. Popov S.M. et al. Random lasing in a short Er-doped artificial Rayleigh fiber // Results in Physics. 2020. Vol. 16. P. 102868. 13. Smirnov A.M., Butov O. v. Pump and thermal impact on heavily erbium-doped fiber laser generation // Optics Letters. 2021. Vol. 46, № 1. P. 86. 14. Andrey Rybaltovsky, Sergei Popov, Denis Lipatov, Andrey Umnikov, Alexey Abramov,Oleg Morozov, Dmitry Ryakhovskiy, Viktor Voloshin, Alexander Kolosovskii, Igor Vorob’ev, Oleg Butov and Yuriy Chamorovskiy, “Photosensitive Yb-Doped Germanophosphosilicate Artificial Rayleigh Fibers as a Base of Random Lasers,” Fibers, 9, 53 (2021) 15. Igor A. Nechepurenko, Alexander V. Dorofeenko, and Oleg V. Butov, “Optimal defect position in a DFB fiber laser,” Optics Express, Vol.29, Issue 9, pp. 13657-13668 (2021) |