**Сведения об официальном оппоненте**

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| Полное и сокращенное наименование организации, являющейся основным местом работы. | Федеральное государственное бюджетное образовательное учреждение высшего образования «Московский государственный университет имени М.В. Ломоносова» (МГУ) |
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| Список основных публикаций по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15).  | 1. Kharasov D. R., Bengalskii D. M., Vyatkin M. Y., Nanii O. E.,  et al. "Extending the operation range of a coherent optical reflectometer using fibre with chirped fibre bragg gratings" *Quantum Electronics*. 50, no. 5, (2020): 510.
2. Lukashova T. O. , Nanii O. E. , Nikitin S. P. , Treshchikov V. N. "Measurement accuracy and spatial resolution of a distributed temperature sensor based on a two-pulse differential coherent reflectometer." *Quantum Electronics*. 50, no. 9, (2020): 882.
3. Starykh D., Akopov S., Kharasov D., Konyshev V., Makovejs S., Nanii O., Shikhaliev I., Treshchikov V. "200 gb/s per channel unrepeatered transmission over 520 km terrestrial fibers." *IEEE Photonics Technology Letters* 31, no. 22 (2019): 1799.
4. Nikitin S., Fomiryakov E. , Kharasov D., Nanii O., Treshchikov V. "Characterization of ultra-narrow linewidth lasers for phase-sensitive coherent reflectometry using eom facilitated heterodyning." *Journal of Lightwave Technology* 38, no. 6, (2019): 1446
5. Nanii O. E., et al. "Simultaneous mode locking and Q-switching in a solid-state laser with a travelling-wave acousto-optic modulator and retroreflector." *Quantum Electronics* 49, no. 2, (2019): 119.
6. Konyshev V. A., Lukinykh, S. N., Nanii, O. E., Novikov, A. G., Treshchikov, V. N., & Ubaydullaev, R. R. "Effect of a magnetic field on polarisation of light in an optical fibre with a random distribution of linear birefringence." *Quantum Electronics* 49, no. 8 (2019): 773
7. Nikitin, S. P., Kuzmenkov, A. I., Gorbulenko, V. V., Nanii, O. E., and Treshchikov, V. N. "Distributed temperature sensor based on a phase-sensitive optical time-domain Rayleigh reflectometer." Laser Physics 28, no. 8 (2018): 085107,
8. Zhluktova, I. V., Kamynin, V. A., Voronin, V. G., Nanii, O. E., & Tsvetkov, V. B. "Repetitively pulsed holmium fibre laser with an intracavity Mach–Zehnder modulator." Quantum Electronics 48, no. 6 (2018): 506,.
9. Starykh, D. D., Shikhaliev, I. I., Konyshev, V. A., Nanii, O. E., Treshchikov, V. N., Ubaydullaev, R. R., & Kharasov, D. R. "Experimental investigation of nonlinear operation mode of a DP-QPSK 100G link with co-propagating-pump Raman amplification." Quantum Electronics 48, no. 8 (2018): 767,.
10. Nanii O.E., Odintsov A.I., Panakov A.I., Smirnov A.P. and Fedoseev A.I., QML-generation dynamics of a solid-state laser with an acousto-optic travelling wave modulator // Quantum Electronics. – 2017.– Vol. 47.– P. 1000
11. Zhitelev A.E., Konyshev V.A., Lukinykh S.N., Nanii O.E., Treshchikov V.N. and Ubaydullaev R.R., Nonlinear distortions as nonlinear noise in coherent fibre-optic communication lines // Quantum Electronics. – 2017. – Vol. 47. – No 12. – P. 1135
12. Kuzmenkov A. I., Lukinykh S. N., Nanii O. E., Odintsov A. I., Smirnov A. P., Fedoseev A. I. and Treshchikov V. N., Performance characteristics and output power stability of a multichannel fibre laser // Quantum Electronics. – 2016. – Vol. 46. – No 9. – P. 795
13. Konyshev V. A., Leonov A. V., Nanii O. E., Novikov A. G., Shikhaliev I. I., Treshchikov V. N., Ubaydullaev R. R., Improvement of optical signal quality under nonlinear interaction of spectral channels // Quantum Electronics. – 2016. – Vol. 46. – No 10. – P. 924
14. Nanii O. E., Odintsov A. I., Smirnov A. P., and Fedoseev A. I. The stability of the stationary generation of a multichannel laser //Moscow University Physics Bulletin. – 2016. – Vol. 71. – No. 4. – P. 389-394.
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