

Сведения об официальном оппоненте

Фамилия, Имя, Отчество	Наний Олег Евгеньевич
Ученая степень	доктор физико-математических наук
Научная специальность, по которой оппонентом защищена диссертация	01.04.21 – Лазерная физика
Ученое звание	профессор
Полное наименование организации	Федеральное государственное бюджетное образовательное учреждение высшего образования «Московский государственный университет имени М.В. Ломоносова»
Адрес, телефон, электронная почта	Адрес: 119991, Москва, Ленинские горы, д.1, физический факультет Тел. 8 499 131-03-48 Тел. моб. 8 965 392-66-39 naniy@t8.ru
Должность, структурное подразделение	профессор, кафедра оптики, спектроскопии и физики наносистем

Список основных публикаций официального оппонента по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15 публикаций)

- 1) Filatova S.A., Fale A.E., Kamynin V.A., Wolf A.A., Zhluktova I.V., Nanii O.E., Smirnov A.P., Babin S.A., Fedoseev A.I., Tsvetkov V.B. Investigation of Absorption Dynamics From the Excited State 5I_7 of Holmium Ions in Optical Silica-Based Fibers // Journal of Lightwave Technology, vol. 41, no. 19, pp. 6400-6407, 1 Oct.1, 2023, doi: 10.1109/JLT.2023.3278534
- 2) Fomiryakov E.A., Bengalskii D.M., Kharasov D.R., Nanii O.E., Nikitin S.P., Treshchikov V.N. Influence of laser phase noise on the operation of coherent reflectometers when using fibers with arrays of artificial reflectors // Optoelectronics, Instrumentation and Data Processing, T. 9, № 1, 87-114 (2023). <https://doi.org/10.15372/aut20230109>
- 3) Nikitin, S.P., Kislov, K.V., Starovoi, Y.O., Bengalskii D.M., Spiridonov E.P., Kharasov D.R., Fomiryakov E.A., Nanii O.E., Treshchikov V.N. Possibilities and Prospects for the Use of Distributed Fiber Sensors in Geophysics // Instruments and Experimental Techniques, 66, 854–859 (2023). <https://doi.org/10.1134/S0020441223050196>
- 4) Dudin, A.S., Kharasov, D.R., Fomiryakov, E.A., Nikitin S.P., Nanii O.E., Treshchikov V.N. A Distributed Acoustic Sensor with a 120-km Sensing Range Based on a Phase-Sensitive Optical Time-Domain Reflectometer and a Remotely Pumped Erbium-Doped Fiber Amplifier // Instruments and Experimental Techniques, 66, 795–801 (2023). <https://doi.org/10.1134/S0020441223050184>
- 5) Konyshov, V.A., Leonov, A.V., Nanii, O.E. et al. Trends of and Prospects for the Development of Fiber-Optic Communication Systems // Bulletin of the Lebedev Physics Institute, 50 (Suppl 4), S435–S450 (2023). <https://doi.org/10.3103/S1068335623160078>
- 6) Gorbatov D.V., Dorozhkin A.N., Igumenov A.Yu., Konyshov V.A., Lukinykh T.O., Nanii O.E., Novikov A.G., Treshchikov V.N., Ubaydullaev R.R. Polarization Changes during a Lightning Strike: Isotropic Zones of Anisotropic Optical Fiber // Bulletin of the Lebedev Physics Institute. 50 (Suppl 2), S204-S212 (2023). <https://doi.org/10.3103/s1068335623140075>
- 7) Starykh, D.D., Samodelkin, L.A., Nanii, O.E. et al. Influence of Amplitude-Modulated Channels on Amplitude Phase Channels with Coherent Detection in Distributed-Gain Fiber-Optic Communication Lines // Bulletin of the Lebedev Physics Institute. 50 (Suppl 2), S220–S226 (2023). <https://doi.org/10.3103/S1068335623140166>

- 8) Fomiryakov, E.A., Bengalskii, D.M., Kharasov, D.R., Nanii O.E., Nikitin S.P., Treshchikov V.N. Influence of Laser Phase Noise on the Operation of a Coherent Reflectometer Using Fiber with Arrays of Artificial Reflectors // Optoelectronics, Instrumentation and Data Processing. 59, 77–99 (2023). <https://doi.org/10.3103/S8756699023010053>
- 9) Fale A.E., Zverev A.D., Kamynin V.A., Wolf A.A., Filatova S.A., Nanii O.E., Smirnov A.P., Fedoseev A.I., Tsvetkov V.B. The Dynamics of Multi-Peak Pulsed Generation in a Q-Switched Thulium-Doped Fiber Laser // Photonics 2022, 9, 846.
<https://doi.org/10.3390/photonics9110846>
- 10) Bazarov T.O., Senko M.A., Dorozhkin A.N., Starykh D.D., Nanii O.E., Treshchikov V.N. Symbol rate limitation due to optical filtering // Laser Physics Letters, 19 (2022).
<https://doi.org/10.1088/1612-202X/ac6b45>
- 11) Fomiryakov E., Kharasov D., Nikitin S., Nanii O., Treshchikov V. New Approach to Laser Characterization Using Delayed Self-Heterodyne Interferometry // Journal of Lightwave Technology, vol. 39, no. 15, pp. 5191-5196, Aug.1, 2021,
<https://doi.org/10.1109/JLT.2021.3082263>
- 12) Nikitin S., Fomiryakov E., Kharasov D., Nanii O.E., Treshchikov V.N. Characterization of ultra-narrow linewidth lasers for phase-sensitive coherent reflectometry using EOM facilitated heterodyning // Journal of Lightwave Technology, vol. 38, no. 6, pp. 1446-1453, 15 March 2020, <https://doi.org/10.1109/jlt.2019.2952688>