

Основные публикации Ведущей организации

1. Kobtsev S., Ivanenko A., Kokhanovskiy A., Smirnov S. Electronic control of different generation regimes in mode-locked all-fibre F8 laser // *Laser Physics Letters*. – 2018. -Vol. 15, no. 4. - art.no.045102.
2. Kobtsev S., Ivanenko A., Smirnov S., Kokhanovsky A. Modified nonlinear amplifying loop mirror for mode-locked fibre oscillators with record-high energy and high-average-power pulsed output. // *Proceedings of SPIE*. – 2018. - Vol. 10516. – art.no. 105161H.
3. Kobtsev S., Ivanenko A. Mode-locked NALM-based fibre laser with controllable operation regimes. // *Proceedings of SPIE*. – 2018. – Vol. 10528. – art.no. 105281R.
4. Shtyrina O.V., Ivanenko A.V., Yarutkina I.A., Kemmer A.V., Skidin A.S., Kobtsev S.M., Fedoruk M.P. Experimental measurement and analytical estimation of the signal gain in an Er-doped fiber // *Journal of the Optical Society of America B* – 2017. – Vol. 34, no. 2. – P. 227-231.
5. Chernysheva M., Rozhin A., Fedotov Y., Mou C., Arif R., Kobtsev S.M., Dianov E.M., Turitsyn S.K. Carbon nanotubes for ultrafast fibre lasers // *Nanophotonics*. – 2017. – Vol. 6, no. 1. – P.1-30.
6. Smirnov, S.V. Wide variability of generation regimes in mode-locked fibre lasers /S.V. Smirnov, S.M.Kobtsev, S.K.Turitsyn // *Shaping Light in Nonlinear Optical Fibers* /eds. S.Boscolo, C.Finot–Wiley, 2017. –Chapter 14. – P. 415-434.
7. Kobtsev S., Nasibulin A., Gladush Y., Ivanenko A. Mode locking of a fibre laser with a matrix-less carbon nanotube film // *Proceedings of SPIE*. – 2017. – Vol. 10083. – art.no. 1008329.
8. Ivanenko A., Kobtsev S., Smirnov S., Kemmer A. Mode-locked long fibre master oscillator with intra-cavity power management and pulse energy > 12 uJ // *Optics Express*. –2016. – Vol. 24, no. 6. – P. 6650-6655.
9. Kobtsev, S. Double-scale Pulses Generated by Mode-locked Fibre Lasers and Their Applications / S.Kobtsev, S.Smirnov, S.Kukarin // *Fiber Laser*/ ed. M.C.Paul. –InTech,2016. –Chapter 4. – P. 69-88.
10. Smirnov, S.V. Supercontinuum in telecom applications / S.V.Smirnov, J.D.Ania-Castanon, S.Kobtsev, S.K.Turitsyn // *The Supercontinuum Laser Source. The Ultimate White Light* / ed. R.R. Alfano. – Springer, 2016. – Chapter 10. – P. 371-403.
11. Smirnov S., Kobtsev S. Modelling of noise-like pulses generated in mode-locked fibre lasers // *Proceedings of SPIE*. – 2016. – Vol. 9732. – art.no. 97320S-1.
12. Kobtsev S., Ivanenko A., Fedotov Y., Smirnov S., Golubtsov A., Khripunov S. Switchable dual-pulse-shape mode-locked figure-eight all-PM fibre master oscillator with 0.5 W-level average output // *Proceedings of SPIE*. – 2016. – Vol. 9728. – art.no. 97281M-1.
13. Kobtsev S.M., Smirnov S.V., Ivanenko A.V. Fibre amplifying loop mirror with nonlinearity independent of the intensity of intra-cavity radiation // *Proceedings of SPIE*. – 2016. – Vol. 10029. – art.no. 100291J.
14. Kobtsev S.M., Smirnov S.V., Ivanenko A.V. RF spectral analysis for characterisation of mode-locked regimes in fibre lasers // *Proceedings of SPIE*. – 2016. – Vol.10019. – art.no. 100191F.

15. ChurkinD.V., SugavanamS., TarasovN., KhorevS., SmirnovS.V., KoltsevS.M., TuritsynS.K. Stochasticity, periodicity and localized light structures in partially mode-locked fibre lasers // Nature Communications. – 2015. – Vol. 6. – art.no. 7004.