

### Список основных публикаций Рубцовой Наталии Николаевны

1. Rubtsova N.N., Gol'dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Borisov G.M., Ledovskikh D.V., Reshetov V.A. Collision-induced stimulated photon echo generated at transition 0–1 on broad spectral line conditions // *Laser Physics Letters*. – 2018. – Vol. 15, no. 4. – art.no. 046001.
2. Borisov G.M., Gol'dort V.G., Kovalyov A.A., Ledovskikh D.V., Rubtsova N.N. A Technique for Detecting Subpicosecond Reflection or Transmission Kinetics // *Instruments and Experimental Techniques*. – 2018. – Vol. 61, no. 1. – P.94-98.
3. Борисов Г.М., Гольдорт В.Г., Ковалев А.А., Ледовских Д.В., Рубцова Н.Н. Фемтосекундная кинетика отражения зеркал с насыщающимся поглощением // *Автометрия*. – 2016. – Т. 52, № 2. – С. 52-56.
4. Rubtsova N.N., Borisov G.M., Ledovskikh D.V., Kovalyov A.A., Preobrazhenskii V.V., Putyato M.A., Semyagin B.R., Kisel V.E., Rudenkov A.S., Kuleshov N.V., Pavlyuk A.A. Fast mirrors for femtosecond passive mode-locked near-infrared lasers // *Laser Physics*. – 2016. – Vol. 26, no. 12. – art. no. 125001.
5. Borisov G.M., Gol'dort V.G., Kovalyov A.A., Ledovskikh D.V., Rubtsova N.N. Femtosecond kinetics of reflection of mirrors with saturable absorption // *Optoelectronics, Instrumentation and Data Processing*. – 2016. – Vol. 52, no. 2. – P. 148-152.
6. Rubtsova N.N., Borisov G.M., Gol'Dort V.G., Kovalyov A.A., Ledovskikh D.V. Reflectivity kinetics of saturable absorbers for laser mirrors // *Laser Physics*. – 2016. – Vol. 26, no. 2. – art. no. 025001.
7. Rubtsova N.N., Gol'Dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Reshetov V.A. Collision induced two-pulsed photon echo at the transition 0–1 in a weak longitudinal magnetic field // *Laser Physics*. – 2015. – Vol. 25, no. 12. – art. no. 126001.
8. Kovalyov A.A., Preobrazhenskii V.V., Putyato M.A., Rubtsova N.N., Semyagin B.R., Kisel V.E., Rudenkov A.S., Kuleshov N.V., Pavlyuk A.A. Efficient high-power femtosecond  $\text{Yb}^{3+}:\text{KY}(\text{WO}_4)_2$  laser // *Laser Physics Letters*. – 2015. – Vol. 12, no. 7. – art. no. 075801.
9. Kisel V.E., Rudenkov A.S., Kuleshov N.V., Pavlyuk A.A., Kovalyov A.A., Preobrazhenskii V.V., Putyato M.A., Rubtsova N.N., Semyagin B.R. High-power, efficient, semiconductor saturable absorber mode-locked  $\text{Yb}:\text{KGW}$  bulk laser // *Optics Letters*. – 2015. – Vol. 40, no. 12. – P. 2707-2710.
10. Rubtsova N.N., Gol'Dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Nadinov I.U., Reshetov V.A. Polarization of the stimulated photon echo in ytterbium vapour at the transition  $0 \leftrightarrow 1$  // *Laser Physics*. – 2014. – Vol. 24, no. 4. – P. 046003.
11. Rubtsova N.N., Gol'Dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Reshetov A.V. Polarization echo spectroscopy of the  $0 \leftrightarrow 1$  transition in ytterbium vapour // *Laser Physics*. – 2014. – Vol. 24, no. 9. – art. no. 094012.
12. Борисов Г.М., Гольдорт В.Г., Ковалёв А.А., Кочубей С.А., Ледовских Д.В., Преображенский В.В., Путятю М.А., Рубцова Н.Н., Семягин Б.Р. Особенности

генерации второй гармоники излучения фемтосекундного лазера  $\text{Yb}^{3+}:\text{KY}(\text{WO}_4)_2$  в гетероструктурах АЗВ5 с асимметричными квантовыми ямами // Вестник Новосибирского государственного университета. Серия: Физика. – 2014. – Т. 9, № 4. – С. 5-14.

13. Khvorostov E.B., Gol'Dort V.G., Ishchenko V.N., Kochubei S.A., Rubtsova N.N., Reshetov V.A. Collision-induced photon echo in ytterbium vapour at the transition 0–1: magnetic field effect // *Laser Physics Letters*. – 2014. – Vol. 11, no. 12. – P. 126004.
14. Rubtsova N.N., Gol'Dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Reshetov V.A., Yevseyev I.V. Interplay of light and collisions in photon echo formation // *Journal of Physics: Conference Series*. – 2013. – Vol. 414, no. 1. – art. no. 012004.
15. Rubtsova N.N., Kochubei S.A., Kovalyov A.A., Preobrazhenskii V.V., Putyato M.A., Semyagin B.R., Shamirzaev T.S., Borisov G.M., Kisel' V.E., Kuleshov N.V., Kuril'Chik S.V., Baganov O.V., Tikhomirov S.A. Semiconductor АЗВ5 nanostructures for infrared femtosecond lasers // *Journal of Physics: Conference Series*. – 2013. – Vol. 414, no. 1. – art. no. 012026.