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PD-06	Engineering ultrashort pulses in infrared and upper terahertz bands using a laser pulse and a nanostructured target <i>V.V. Kulagin^{1,2}, V.N. Komienko², V.A. Cherepenin², H. Suk³; ¹Stenberg State Astronomical Inst., Lomonosov Moscow State Univ., Russia; ²Kotelnikov Inst. of Radioengineering and Electronics RAS, Russia; ³Dep. of Physics and Photon Science, Gwangju Inst. of Science and Technology, South Korea</i>	419
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PD-09	Femtosecond high repetition rate fiber laser-driven plasma microfocus X-ray source for imaging applications <i>A.A. Garmatina^{1,2}, V.E. Asadchikov², A.V. Buzmakov², I.G. Dyachkova², A.I. Baranov³, D.V. Myasnikov³, N.V. Minaev², V.M. Gordienko^{2,4}; ¹NRC «Kurchatov Institute»; ²FSRC "Crystallography and Photonics" RAS; ³NTO IRE-Polus; ⁴M.V. Lomonosov Moscow State Univ., Russia</i>	421
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SYA-02	Comparative study of the endovenous laser coagulation with 1.47 and 1.94 μm clinical efficacy. <i>V.Yu. Bogachev^{1,2}, K.A. Kaperiz², V.P. Mnaev³; ¹Pirogov Russian National Research Medical Univ., ²The First Phlebological Center, ³IRE-Polus Ltd, Russia</i>	427
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SYA-05	The use of femtosecond laser pulses for controlled laser-assisted hatching of fresh and frozen/thawed mammalian embryos <i>I.V. Ilna¹, M.A. Filatov², D.S. Korshunova², Y.Y. Silaeva³, D.S. Sitnikov¹; ¹JIHT RAS, Russia, ²Center for Precision Genome Editing and Genetic Technologies for Biomedicine, IGB RAS, Russia, ³Core Facility Centre, IGB RAS, Russia</i>	430

SYA-06	Laser engineering of biological tissue and microbial systems <i>N.V. Mnaev, Inst. of Photon Technologies, FSRC "Crystallography and Photonics" RAS, Russia</i>	431
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SYA-p07	Laser radiation at a wavelength of 525 nm used for controlled hemostasis. <i>O.V. Tikhonovich¹, A.A. Sirotkin¹, N.E. Gorbatova², D.A. Safin², Y.L. Kalachev¹, G.P. Kuzmin¹; ¹Prokhorov General Physics Inst. RAS; ²Inst. of Emergency Children's Surgery and Traumatology, Russia</i>	441

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SYB-06	Noninvasive glioblastoma diagnosis using spectral methods and machine learning <i>O. Cherkasova^{1,2}, M. Konnikova^{2,3}, E. Dizer⁴, A. Mankova³, D. Vrazhnov^{5,6}, Yu. Kistenev⁶, Y. Peng⁶, A. Shkurinov^{2,3}; ¹Inst. of Laser Physics of SB RAS, Novosibirsk, Russia; ²Institute on Laser and Information Technologies - Branch of the Federal Scientific Research Centre "Crystallography and Photonics" of RAS, Shatura, Moscow Region, Russia; ³Lomonosov Moscow State University, Moscow, Russia; ⁴National Research Nuclear University "MEPhI", Moscow, Russia; ⁵Institute of Atmospheric Optics, Siberian Branch of the RAS, Tomsk, Russia; ⁶Tomsk State University, Tomsk, Russia; ⁷University of Shanghai for Science and Technology, Shanghai, R. P. China.</i>	445
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