

М. М. Баско – публикации 2016-2020

1. M.M. Basko, “On the maximum conversion efficiency into the 13.5-nm extreme ultraviolet emission under a steady-state laser ablation of tin microspheres”, *Physics of Plasmas*, vol. 23, 083114, 2016; doi: 10.1063/1.4960684
2. M.M. Basko, M.S. Krivokorytov, A.Yu. Vinokhodov, Yu.V. Sidelnikov, V.M. Krivtsun, V.V. Medvedev, D.A. Kim, V.O. Kompanets, A.A. Lash and K.N. Koshelev, “Fragmentation dynamics of liquid–metal droplets under ultra-short laser pulses”, *Laser Physics Letters*, vol. 14, 036001, 2017; doi: 10.1088/1612-202X/aa539b
3. M.M. Basko and I.P. Tsygvintsev, “A hybrid model of laser energy deposition for multi-dimensional simulations of plasmas and metals”, *Computer Physics Communications*, vol. 214, 59-70, 2017; doi: 10.1016/j.cpc.2017.01.010
4. D. Kurilovich, M.M. Basko, D.A. Kim, F. Torretti, R. Schupp, J.C. Visschers, J. Scheers, R.~Hoekstra, W. Ubachs, and O.O. Versolato, “Power-law scaling of plasma pressure on laser-ablated tin microdroplets”, *Physics of Plasmas*, vol. 25, 012709, 2018; doi: 10.1063/1.5010899
5. M.M. Basko, “Centered rarefaction wave with a liquid-gas phase transition in the approximation of “phase-flip” hydrodynamics”, *Physics of Fluids*, vol. 30, 123306(1-10), 2018; doi: 10.1063/1.5064495
6. F. Torretti, J. Sheil, R. Schupp, M.M. Basko, M. Bayraktar, R.A. Meijer, S. Witte, W. Ubachs, R. Hoekstra, O.O. Versolato, A.J. Neukirch, and J. Colgan, “Prominent radiative contributions from multiply-excited states in laser-produced tin plasma for nanolithography”, *Nature Communications*, vol. 11, 2334, 2020; doi: 10.1038/s41467-020-15678-y