

# list of publications

March 21, 2023

S. Shekhanov, A. Gintrand, L. Hudec, R. Liska, J. Limpouch, S. Weber, and V. Tikhonchuk, "Kinetic modeling of laser absorption in foams", *Physics of Plasmas* 30, 012708 (2023) <https://doi.org/10.1063/5.0131786>. This article has been chosen to be promoted as an Editor's Pick.

L. Hudec, A. Gintrand, J. Limpouch, R. Liska, S. Shekhanov, V.T. Tikhonchuk and S. Weber (2023). Hybrid ablation-expansion model for laser interaction with low-density foams. Prepared for publishing in the "Physics of Plasmas" journal.

S A Shekhanov and V T Tikhonchuk, (2021). SRS-SBS competition and nonlinear laser energy absorption in a high temperature plasma. *Plasma Phys. Control. Fusion* 63 115016

Gu, Y., Klimo, O., Nicolaï, P., Shekhanov, S., Weber, S., and Tikhonchuk, V. (2019). Collective absorption of laser radiation in plasma at sub-relativistic intensities. *High Power Laser Science and Engineering*, 7, E39. doi:10.1017/hpl.2019.25