Alexander Khrabry

List of Publications by Year
in descending order

14	146	1307594 7	1199594 12
papers	citations	h-index	g-index

14	14	14	155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling snowflake divertors in MAST-U Tokamak. Nuclear Fusion, 2022, 62, 016007.	3.5	2
2	Modeling of deuterium and carbon radiation transport in MAST-U tokamak advanced divertors. Nuclear Fusion, 2022, 62, 066047.	3.5	4
3	Boron nitride nanotube precursor formation during high-temperature synthesis: kinetic and thermodynamic modelling. Nanotechnology, 2021, 32, 475604.	2.6	3
4	Analytical model of low and high ablation regimes in carbon arcs. Journal of Applied Physics, 2020, 128, .	2.5	8
5	Convenient analytical formula for cluster mean diameter and diameter dispersion after nucleation burst. Physical Review E, 2020, 102, 022116.	2.1	2
6	Validated two-dimensional modeling of short carbon arcs: Anode and cathode spots. Physics of Plasmas, 2020, 27, .	1.9	8
7	Determining the gas composition for the growth of BNNTs using a thermodynamic approach. Physical Chemistry Chemical Physics, 2019, 21, 13268-13286.	2.8	8
8	Investigation of the short argon arc with hot anode. I. Numerical simulations of non-equilibrium effects in the near-electrode regions. Physics of Plasmas, 2018, 25, .	1.9	37
9	Investigation of the short argon arc with hot anode. II. Analytical model. Physics of Plasmas, 2018, 25, 013522.	1.9	29
10	Quantitative imaging of carbon dimer precursor for nanomaterial synthesis in the carbon arc. Plasma Sources Science and Technology, 2018, 27, 025008.	3.1	11
11	Effect of polarization forces on carbon deposition on a non-spherical nanoparticle. Monte Carlo simulations. Physics of Plasmas, 2018, 25, 023501.	1.9	2
12	Synthesis of nanoparticles in carbon arc: measurements and modeling. MRS Communications, 2018, 8, 842-849.	1.8	21
13	In situ diagnostics for nanomaterial synthesis in carbon arc plasma. Plasma Sources Science and Technology, 2018, 27, 084001.	3.1	11
14	Self-Consistent Numerical Simulation of Carbon Arc for Nanoparticle Synthesis. , 2017, , .		0