

Alexander Khrabry

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

146
citations

1307594

7
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

155
citing authors

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