

Anton Serkov

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

127
citations

1478505

6
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-textured W shows improvement of thermionic emission properties. Applied Physics A: Materials Science and Processing, 2012, 106, 1-4.	2.3	32
2	Laser sintering of gravure printed indium tin oxide films on polyethylene terephthalate for flexible electronics. Scientific Reports, 2019, 9, 1773.	3.3	29
3	Biofunctional magnetic "core-shell" nanoparticles generated by laser ablation of iron in liquid. Laser Physics, 2015, 25, 025607.	1.2	13
4	Laser-assisted generation of gold nanoparticles and nanostructures in liquid and their plasmonic luminescence. Applied Physics A: Materials Science and Processing, 2014, 115, 747-752.	2.3	11
5	Influence of laser-induced breakdown on the fragmentation of gold nanoparticles in water. Quantum Electronics, 2016, 46, 713-718.	1.0	11
6	Influence of external magnetic field on laser-induced gold nanoparticles fragmentation. Applied Physics Letters, 2016, 109, 053107.	3.3	8
7	Stainless steel surface wettability control via laser ablation in external electric field. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	6
8	Temporal and Spectral Characterization of Breakdown Plasma Induced by Laser Radiation in Colloidal Solutions of Gold Nanoparticles. Physics of Wave Phenomena, 2018, 26, 1-8.	1.1	6
9	Nanostructuring of single-crystal silicon carbide by picosecond UV laser radiation. Quantum Electronics, 2013, 43, 1091-1093.	1.0	2
10	Nanostructuring of single-crystal silicon carbide by femtosecond laser irradiation in a liquid. Physics of Wave Phenomena, 2014, 22, 15-18.	1.1	2
11	Transport equation in the problem of the distribution function of nanoparticles in a colloidal solution exposed to laser pulses. Quantum Electronics, 2015, 45, 1161-1165.	1.0	2
12	Fabrication of Materials with Low Optical Reflectance Based on Laser-Microstructured Metal Surfaces. Physics of Wave Phenomena, 2018, 26, 99-108.	1.1	2
13	Enhanced chemical etch rate of borosilicate glass via spatially resolved laser-generated color centers. Journal Physics D: Applied Physics, 2020, 53, 135306.	2.8	2
14	Influence of the surface structure on the initiation of nuclear-chemical processes under laser ablation of metals in aqueous media. Russian Journal of Physical Chemistry A, 2014, 88, 1989-1995.	0.6	1