

Yulia Kargina

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

176
citations

1478505

6
h-index

1058476

14
g-index

19
all docs

19
docs citations

19
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous silicon nanoparticles as biocompatible contrast agents for magnetic resonance imaging. Applied Physics Letters, 2015, 107, .	3.3	52
2	Cytotoxicity control of silicon nanoparticles by biopolymer coating and ultrasound irradiation for cancer theranostic applications. Nanotechnology, 2017, 28, 105102.	2.6	51
3	Silicon Nanoparticles as Amplifiers of the Ultrasonic Effect in Sonodynamic Therapy. Bulletin of Experimental Biology and Medicine, 2016, 161, 296-299.	0.8	20
4	Investigation of proton spin relaxation in water with dispersed silicon nanoparticles for potential magnetic resonance imaging applications. Journal of Applied Physics, 2018, 123, .	2.5	11
5	Silicon Nanoparticles Prepared by Plasma-Assisted Ablative Synthesis: Physical Properties and Potential Biomedical Applications. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800897.	1.8	9
6	Imitating the effect of amplified spontaneous emission pedestal at relativistically intense laser interaction with nanostructured solid targets. Laser Physics Letters, 2020, 17, 045302.	1.4	6
7	Mesoporous silicon nanoparticles loaded with salinomycin for cancer therapy applications. Microporous and Mesoporous Materials, 2021, 328, 111473.	4.4	6
8	Evolution of nanocrystal size distribution in porous silicon nanoparticles during storage in aqueous media: X-ray diffraction analysis. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	5
9	Silicon nanoparticles with iron impurities for multifunctional applications. Functional Materials Letters, 2020, 13, 2040007.	1.2	5
10	Comparative analysis of silicon nanostructures by x-ray diffraction technique. IOP Conference Series: Materials Science and Engineering, 2019, 475, 012010.	0.6	3
11	Radiofrequency Heating of Nanoparticles for Biomedical Applications. Bulletin of the Lebedev Physics Institute, 2021, 48, 170-174.	0.6	3
12	Mesoporous silicon nanoparticles covered with PEG molecules by mechanical grinding in aqueous suspensions. Microporous and Mesoporous Materials, 2022, 331, 111641.	4.4	3
13	X-ray production and charged-particle acceleration in the irradiation of micro- and nanorod arrays by high-power femtosecond laser pulses. Quantum Electronics, 2021, 51, 536-543.	1.0	1
14	Composite silicon-iron nanoparticles: physical properties and potential application in MRI contrasting. Journal of Nanoparticle Research, 2022, 24, .	1.9	1
15	Temperature monitoring through nanoparticle-activated proton relaxation for magnetic resonance imaging application. Journal of Physics: Conference Series, 2021, 2058, 012036.	0.4	0
16	Proton magnetization relaxation in aqueous suspensions of composite silicon-iron nanoparticles for biomedical applications. Journal of Physics: Conference Series, 2021, 2058, 012016.	0.4	0
17	Stabilization of porous silicon nanoparticles by PEGalization in water. Journal of Physics: Conference Series, 2021, 2058, 012013.	0.4	0
18	Acceleration of highly stripped ions by relativistic femtosecond laser pulse from nanoscale targets with contrast control. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Increased flux of high energy particles and X-rays from relativistic nanostructured plasmas. , 2020, , .		0