

Vasilina Rocheva

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

268
citations

1040056

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940533

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21
all docs

21
docs citations

21
times ranked

434
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution 3D photopolymerization assisted by upconversion nanoparticles for rapid prototyping applications. <i>Scientific Reports</i> , 2018, 8, 3663.	3.3	73
2	PEG-modified upconversion nanoparticles for in vivo optical imaging of tumors. <i>RSC Advances</i> , 2016, 6, 30089-30097.	3.6	43
3	Ultraviolet phototoxicity of upconversion nanoparticles illuminated with near-infrared light. <i>Nanoscale</i> , 2017, 9, 14921-14928.	5.6	28
4	Fabrication of black multicrystalline silicon surface by nanosecond laser ablation. <i>Applied Physics B: Lasers and Optics</i> , 2011, 105, 545-550.	2.2	24
5	Polymerization Assisted by Upconversion Nanoparticles under NIR Light. <i>Molecules</i> , 2019, 24, 2476.	3.8	21
6	Local Overheating of Biotissue Labeled With Upconversion Nanoparticles Under Yb ³⁺ Resonance Excitation. <i>Frontiers in Chemistry</i> , 2020, 8, 295.	3.6	15
7	Ternary alloys Cd _y Zn _{1-y} O and Mg _x Zn _{1-x} O as materials for optoelectronics. <i>Physics of the Solid State</i> , 2011, 53, 467-471.	0.6	10
8	Epitaxial growth and properties of Mg _x Zn _{1-x} O films produced by pulsed laser deposition. <i>Semiconductors</i> , 2010, 44, 246-250.	0.5	9
9	Biocompatible upconversion ink for hidden anticounterfeit labeling. <i>Nanotechnologies in Russia</i> , 2015, 10, 904-909.	0.7	9
10	Upconversion Nanoparticles: Synthesis, Photoluminescence Properties, and Applications. <i>Nanotechnologies in Russia</i> , 2020, 15, 655-678.	0.7	8
11	Ion energy spectrum control in modified cross-beam pulsed laser deposition method. <i>Technical Physics Letters</i> , 2011, 37, 69-71.	0.7	7
12	Pulsed laser reshaping and fragmentation of upconversion nanoparticles from hexagonal prisms to 1D nanorods through "Medusa"-like structures. <i>Nano Research</i> , 2021, 14, 1141-1148.	10.4	6
13	LUMINESCENCE DIAGNOSTICS OF TUMORS WITH UPCONVERSION NANOPARTICLES. <i>Almanah Klinicheskoj Mediciny</i> , 2016, , 227-233.	0.3	4
14	Formation of low-reflection multicrystalline silicon surface by laser-induced structuring for application on silicon solar cells. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
15	Probe studies of laser erosion plume arising at silicon ablation in vacuum. <i>Technical Physics</i> , 2010, 55, 491-495.	0.7	2
16	Upconversion nanoparticles with anti-Stokes luminescence as bioimaging agents. <i>EPJ Web of Conferences</i> , 2018, 190, 04005.	0.3	2
17	Three-Dimensional Luminescence Tomographic Visualization of Biological Tissues. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019, 126, 92-94.	0.6	2
18	Deferred Registration of Nanophosphor Photoluminescence As a Platform for Optical Bioimaging. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019, 126, 95-101.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Modified crossed-beam PLD method for the control of ion energy spectrum. Laser Physics, 2011, 21, 619-623.	1.2	1
20	Specific character of the ^{119}Sn thin films growth on amorphous Si by the CBPLD method. Laser Physics, 2011, 21, 624-629.	1.2	0
21	Emerging upconversion nanoparticles for industry and biomedical application. EPJ Web of Conferences, 2018, 190, 03005.	0.3	0