

Michael Greben

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

259
citations

1040056

9
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

402
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible photo- and thermal-effects on the luminescence of gold nanoclusters: implications for nanothermometry. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11954-11960.	2.8	7
2	Inverse heavy-atom effect in near infrared photoluminescent gold nanoclusters. <i>Nanoscale</i> , 2021, 13, 10462-10467.	5.6	6
3	Power-dependent photoluminescence decay kinetics of silicon nanocrystals under continuous and pulsed excitation. <i>Faraday Discussions</i> , 2020, 222, 274-293.	3.2	7
4	Spectral Dependencies of the Stretched Exponential Dispersion Factor and Photoluminescence Quantum Yield as a Common Feature of Nanocrystalline Si. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900698.	1.8	2
5	Optical and electronic properties: from theory to experiments: general discussion. <i>Faraday Discussions</i> , 2020, 222, 294-303.	3.2	0
6	Nearly perfect near-infrared luminescence efficiency of Si nanocrystals: A comprehensive quantum yield study employing the Purcell effect. <i>Scientific Reports</i> , 2019, 9, 11214.	3.3	20
7	Non-exponential decay kinetics: correct assessment and description illustrated by slow luminescence of Si nanostructures. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 758-801.	6.7	27
8	Absolute up- and down-conversion luminescence efficiency in hexagonal Na(Lu/Y/Gd)F ₄ : Yb, Er/Tm/Ho with optimized chemical composition. <i>AIP Advances</i> , 2018, 8, 075226.	1.3	3
9	ENHANCEMENT OF ABSORPTION CROSS-SECTION AND LUMINESCENCE YIELD OF SEMICONDUCTOR QUANTUM DOTS AND UP-CONVERTING PARTICLES. , 2017, , 78-80.		0
10	Photoluminescence performance limits of Si nanocrystals in silicon oxynitride matrices. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	16
11	Fully radiative relaxation of silicon nanocrystals in colloidal ensemble revealed by advanced treatment of decay kinetics. <i>Journal of Applied Physics</i> , 2017, 122, 034304.	2.5	33
12	THE ADVANCED ANALYSIS OF SLOW NON-STRETCHED EXPONENTIAL DECAY KINETICS FROM Si NANOCRYSTALS. , 2017, , 110-113.		1
13	Changes of the absorption cross section of Si nanocrystals with temperature and distance. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2315-2323.	2.8	9
14	Determination of absorption cross-section of Si nanocrystals by two independent methods based on either absorption or luminescence. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	30
15	Note: On the choice of the appropriate excitation-pulse-length for assessment of slow luminescence decays. <i>Review of Scientific Instruments</i> , 2016, 87, 126101.	1.3	9
16	Radiometric calibration of optical microscopy and microspectroscopy apparatus over a broad spectral range using a special thin-film luminescence standard. <i>AIP Advances</i> , 2015, 5, 047131.	1.3	19
17	Photoluminescence quantum yield of PbS nanocrystals in colloidal suspensions. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	29
18	Effects of inter-nanocrystal distance on luminescence quantum yield in ensembles of Si nanocrystals. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	37

#	ARTICLE	IF	CITATIONS
19	Light Emitting Single-Crystalline Silicon Wafers Implanted with V and III Group Ions. Acta Physica Polonica A, 2014, 125, 1288-1292.	0.5	3