

# 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	Effects of inter-nanocrystal distance on luminescence quantum yield in ensembles of Si nanocrystals. Applied Physics Letters, 2014, 105, .	3.3	37
2	Fully radiative relaxation of silicon nanocrystals in colloidal ensemble revealed by advanced treatment of decay kinetics. Journal of Applied Physics, 2017, 122, 034304.	2.5	33
3	Determination of absorption cross-section of Si nanocrystals by two independent methods based on either absorption or luminescence. Applied Physics Letters, 2016, 108, .	3.3	30
4	Photoluminescence quantum yield of PbS nanocrystals in colloidal suspensions. Journal of Applied Physics, 2015, 117, .	2.5	29
5	Non-exponential decay kinetics: correct assessment and description illustrated by slow luminescence of Si nanostructures. Applied Spectroscopy Reviews, 2019, 54, 758-801.	6.7	27
6	Nearly perfect near-infrared luminescence efficiency of Si nanocrystals: A comprehensive quantum yield study employing the Purcell effect. Scientific Reports, 2019, 9, 11214.	3.3	20
7	Radiometric calibration of optical microscopy and microspectroscopy apparatus over a broad spectral range using a special thin-film luminescence standard. AIP Advances, 2015, 5, 047131.	1.3	19
8	Photoluminescence performance limits of Si nanocrystals in silicon oxynitride matrices. Journal of Applied Physics, 2017, 122, .	2.5	16
9	Note: On the choice of the appropriate excitation-pulse-length for assessment of slow luminescence decays. Review of Scientific Instruments, 2016, 87, 126101.	1.3	9
10	Changes of the absorption cross section of Si nanocrystals with temperature and distance. Beilstein Journal of Nanotechnology, 2017, 8, 2315-2323.	2.8	9
11	Power-dependent photoluminescence decay kinetics of silicon nanocrystals under continuous and pulsed excitation. Faraday Discussions, 2020, 222, 274-293.	3.2	7
12	Reversible photo- and thermal-effects on the luminescence of gold nanoclusters: implications for nanothermometry. Physical Chemistry Chemical Physics, 2021, 23, 11954-11960.	2.8	7
13	Inverse heavy-atom effect in near infrared photoluminescent gold nanoclusters. Nanoscale, 2021, 13, 10462-10467.	5.6	6
14	Light Emitting Single-Crystalline Silicon Wafers Implanted with V and III Group Ions. Acta Physica Polonica A, 2014, 125, 1288-1292.	0.5	3
15	Absolute up- and down-conversion luminescence efficiency in hexagonal Na(Lu/Y/Gd)F <sub>4</sub> : Yb, Er/Tm/Ho with optimized chemical composition. AIP Advances, 2018, 8, 075226.	1.3	3
16	Spectral Dependencies of the Stretched Exponential Dispersion Factor and Photoluminescence Quantum Yield as a Common Feature of Nanocrystalline Si. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900698.	1.8	2
17	THE ADVANCED ANALYSIS OF SLOW NON-STRETCHED EXPONENTIAL DECAY KINETICS FROM SI NANOCRYSTALS. , 2017, , 110-113.		1
18	ENHANCEMENT OF ABSORPTION CROSS-SECTION AND LUMINESCENCE YIELD OF SEMICONDUCTOR QUANTUM DOTS AND UP-CONVERTING PARTICLES. , 2017, , 78-80.		0

#	ARTICLE	IF	CITATIONS
19	Optical and electronic properties: from theory to experiments: general discussion. Faraday Discussions, 2020, 222, 294-303.	3.2	0