

Benjamin Bruhn

List of Publications by Year in descending order

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15
papers

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933447

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15
docs citations

15
times ranked

318
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray radiation hardness and influence on blinking in Si and CdSe quantum dots. Applied Physics Letters, 2018, 113, .	3.3	3
2	Rapid Trapping as the Origin of Nonradiative Recombination in Semiconductor Nanocrystals. ACS Photonics, 2018, 5, 2990-2996.	6.6	20
3	Multi-chromatic silicon nanocrystals. Light: Science and Applications, 2017, 6, e17007-e17007.	16.6	13
4	Strong Absorption Enhancement in Si Nanorods. Nano Letters, 2016, 16, 7937-7941.	9.1	11
5	Effect of X-ray irradiation on the blinking of single silicon nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2692-2695.	1.8	2
6	Temporal correlation of blinking events in CdSe/ZnS and Si/SiO ₂ nanocrystals. Physica B: Condensed Matter, 2014, 453, 63-67.	2.7	6
7	Blinking Statistics and Excitation-Dependent Luminescence Yield in Si and CdSe Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 2202-2208.	3.1	15
8	Transition from silicon nanowires to isolated quantum dots: Optical and structural evolution. Physical Review B, 2013, 87, .	3.2	13
9	Exciton lifetime measurements on single silicon quantum dots. Nanotechnology, 2013, 24, 225204.	2.6	40
10	Surface concentration dependent structures of iodine on Pd(110). Journal of Chemical Physics, 2012, 137, 204703.	3.0	9
11	Coexistence of 1D and Quasi-0D Photoluminescence from Single Silicon Nanowires. Nano Letters, 2011, 11, 3003-3009.	9.1	37
12	Blinking Statistics of Silicon Quantum Dots. Nano Letters, 2011, 11, 5574-5580.	9.1	31
13	Fabricating single silicon quantum rods for repeatable single dot photoluminescence measurements. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 631-634.	1.8	16
14	Polarization of photoluminescence excitation and emission spectra of silicon nanorods within single Si/SiO ₂ nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1017-1020.	0.8	7
15	Controlled fabrication of individual silicon quantum rods yielding high intensity, polarized light emission. Nanotechnology, 2009, 20, 505301.	2.6	34