

Jonathan I Saari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11321608/publications.pdf>

Version: 2024-02-01

12
papers

462
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenge to the deep-trap model of the surface in semiconductor nanocrystals. <i>Physical Review B</i> , 2013, 87, .	3.2	127
2	A microscopic picture of surface charge trapping in semiconductor nanocrystals. <i>Journal of Chemical Physics</i> , 2013, 138, 204705.	3.0	69
3	Controlling Piezoelectric Response in Semiconductor Quantum Dots via Impulsive Charge Localization. <i>Nano Letters</i> , 2010, 10, 3062-3067.	9.1	59
4	Ultrafast Electron Trapping at the Surface of Semiconductor Nanocrystals: Excitonic and Biexcitonic Processes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4412-4421.	2.6	52
5	Improving Optical Gain Performance in Semiconductor Quantum Dots via Coupled Quantum Shells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5407-5413.	3.1	37
6	Two-Color Two-Dimensional Electronic Spectroscopy Using Dual Acousto-Optic Pulse Shapers for Complete Amplitude, Phase, and Polarization Control of Femtosecond Laser Pulses. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6264-6269.	2.5	20
7	Control of Phonons in Semiconductor Nanocrystals via Femtosecond Pulse Chirp-Influenced Wavepacket Dynamics and Polarization. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15651-15658.	2.6	19
8	Interfacial Electronic Structure in Graded Shell Nanocrystals Dictates Their Performance for Optical Gain. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19409-19415.	3.1	19
9	Terahertz Bandwidth All-Optical Modulation and Logic Using Multiexcitons in Semiconductor Nanocrystals. <i>Nano Letters</i> , 2013, 13, 722-727.	9.1	18
10	Controlling the Surface of Semiconductor Nanocrystals for Efficient Light Emission from Single Excitons to Multiexcitons. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16383-16389.	3.1	17
11	Surface and interface effects on non-radiative exciton recombination and relaxation dynamics in CdSe/Cd,Zn,S nanocrystals. <i>Chemical Physics</i> , 2016, 471, 11-17.	1.9	17
12	Excited State Phononic Processes in Semiconductor Nanocrystals Revealed by Excitonic State-Resolved Pump/Probe Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3868-3875.	3.1	8