

Jonathan I Saari

List of Publications by Year in descending order

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12
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840776

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Challenge to the deep-trap model of the surface in semiconductor nanocrystals. <i>Physical Review B</i> , 2013, 87, . | 3.2 | 127 |
| 8 | Terahertz Bandwidth All-Optical Modulation and Logic Using Multiexcitons in Semiconductor Nanocrystals. <i>Nano Letters</i> , 2013, 13, 722-727. | 9.1 | 18 |
| 9 | A microscopic picture of surface charge trapping in semiconductor nanocrystals. <i>Journal of Chemical Physics</i> , 2013, 138, 204705. | 3.0 | 69 |
| 10 | 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 |
| 11 | 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 |
| 12 | Controlling Piezoelectric Response in Semiconductor Quantum Dots via Impulsive Charge Localization. <i>Nano Letters</i> , 2010, 10, 3062-3067. | 9.1 | 59 |