Janice E Boercker

List of Publications by Year
in descending order

19 papers	1,414 citations	840776 11 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	2457 citing authors

#	Article	IF	Citations
1	Photosensitization of ZnO Nanowires with CdSe Quantum Dots for Photovoltaic Devices. Nano Letters, 2007, 7, 1793-1798.	9.1	935
2	Enhanced Multiple Exciton Generation in Quasi-One-Dimensional Semiconductors. Nano Letters, 2011, 11, 3476-3481.	9.1	132
3	Electron transport and recombination in polycrystalline TiO2 nanowire dye-sensitized solar cells. Applied Physics Letters, 2007, 91, 123116.	3.3	112
4	Transport Limited Growth of Zinc Oxide Nanowires. Crystal Growth and Design, 2009, 9, 2783-2789.	3.0	58
5	Anisotropic Absorption in PbSe Nanorods. ACS Nano, 2014, 8, 581-590.	14.6	29
6	Control of PbSe Nanorod Aspect Ratio by Limiting Phosphine Hydrolysis. Journal of the American Chemical Society, 2013, 135, 15071-15076.	13.7	26
7	Size and Temperature Dependence of Band-Edge Excitons in PbSe Nanowires. Journal of Physical Chemistry Letters, 2011, 2, 527-531.	4.6	20
8	Synthesis and Characterization of PbS/ZnS Core/Shell Nanocrystals. Chemistry of Materials, 2018, 30, 4112-4123.	6.7	20
9	Effect of Ligand Structure on the Optical and Electronic Properties of Nanocrystalline PbSe Films. Journal of Physical Chemistry C, 2012, 116, 6031-6037.	3.1	18
10	Effects of a Lead Chloride Shell on Lead Sulfide Quantum Dots. Journal of Physical Chemistry Letters, 2019, 10, 1914-1918.	4.6	14
11	Synthesis and Optical Properties of PbSe Nanorods with Controlled Diameter and Length. Journal of Physical Chemistry Letters, 2015, 6, 3360-3364.	4.6	12
12	Controlling dissolution of PbTe nanoparticles in organic solvents during liquid cell transmission electron microscopy. Nanoscale, 2019, 11, 14573-14580.	5.6	10
13	Synthesis of PbSe nanowires: the impact of alkylphosphonic acid addition. Journal of Materials Chemistry, 2011, 21, 2616.	6.7	8
14	Binary Superlattices of Infrared Plasmonic and Excitonic Nanocrystals. ACS Applied Materials & Interfaces, 2020, 12, 24271-24280.	8.0	8
15	Sulfur-Capped Germanium Nanocrystals: Facile Inorganic Ligand Exchange. Journal of Physical Chemistry C, 2017, 121, 22597-22606.	3.1	4
16	Rationalizing energy level alignment by characterizing Lewis acid/base and ionic interactions at printable semiconductor/ionic liquid interfaces. Materials Horizons, 2022, 9, 471-481.	12.2	3
17	Intrinsic Gap States in Semiconductors with Inverted Band Structure: Comparison of SnTe vs PbTe Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 11974-11981.	3.1	2
18	Enhanced Infrared Photodiodes Based on PbS/PbCl_x Core/Shell Nanocrystals. ACS Applied Materials & Interfaces, 2021, 13, 58916-58926.	8.0	2

#	Article	IF	Citations
19	Cu2-xS/PbS Core/Shell Nanocrystals with Improved Chemical Stability. Chemistry of Materials, 2021, 33, 6685-6691.	6.7	1