

# Janice E Boercker

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Rationalizing energy level alignment by characterizing Lewis acid/base and ionic interactions at printable semiconductor/ionic liquid interfaces. <i>Materials Horizons</i> , 2022, 9, 471-481.	12.2	3
2	Cu <sub>2-x</sub> S/PbS Core/Shell Nanocrystals with Improved Chemical Stability. <i>Chemistry of Materials</i> , 2021, 33, 6685-6691.	6.7	1
3	Enhanced Infrared Photodiodes Based on PbS/PbCl <sub>x</sub> Core/Shell Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58916-58926.	8.0	2
4	Binary Superlattices of Infrared Plasmonic and Excitonic Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24271-24280.	8.0	8
5	Controlling dissolution of PbTe nanoparticles in organic solvents during liquid cell transmission electron microscopy. <i>Nanoscale</i> , 2019, 11, 14573-14580.	5.6	10
6	Intrinsic Gap States in Semiconductors with Inverted Band Structure: Comparison of SnTe vs PbTe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11974-11981.	3.1	2
7	Effects of a Lead Chloride Shell on Lead Sulfide Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1914-1918.	4.6	14
8	Synthesis and Characterization of PbS/ZnS Core/Shell Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 4112-4123.	6.7	20
9	Sulfur-Capped Germanium Nanocrystals: Facile Inorganic Ligand Exchange. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22597-22606.	3.1	4
10	Synthesis and Optical Properties of PbSe Nanorods with Controlled Diameter and Length. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3360-3364.	4.6	12
11	Anisotropic Absorption in PbSe Nanorods. <i>ACS Nano</i> , 2014, 8, 581-590.	14.6	29
12	Control of PbSe Nanorod Aspect Ratio by Limiting Phosphine Hydrolysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 15071-15076.	13.7	26
13	Effect of Ligand Structure on the Optical and Electronic Properties of Nanocrystalline PbSe Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6031-6037.	3.1	18
14	Synthesis of PbSe nanowires: the impact of alkylphosphonic acid addition. <i>Journal of Materials Chemistry</i> , 2011, 21, 2616.	6.7	8
15	Size and Temperature Dependence of Band-Edge Excitons in PbSe Nanowires. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 527-531.	4.6	20
16	Enhanced Multiple Exciton Generation in Quasi-One-Dimensional Semiconductors. <i>Nano Letters</i> , 2011, 11, 3476-3481.	9.1	132
17	Transport Limited Growth of Zinc Oxide Nanowires. <i>Crystal Growth and Design</i> , 2009, 9, 2783-2789.	3.0	58
18	Electron transport and recombination in polycrystalline TiO <sub>2</sub> nanowire dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2007, 91, 123116.	3.3	112

#	ARTICLE	IF	CITATIONS
19	Photosensitization of ZnO Nanowires with CdSe Quantum Dots for Photovoltaic Devices. Nano Letters, 2007, 7, 1793-1798.	9.1	935