

# Katherine Emily Shulenberger

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

790  
citations

840776

11  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1464  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Coherent single-photon emission from colloidal lead halide perovskite quantum dots. <i>Science</i> , 2019, 363, 1068-1072.   | 12.6 | 345       |
| 2  | Triplet-Sensitization by Lead Halide Perovskite Thin Films for Near-Infrared-to-Visible Upconversion. <i>ACS Energy Letters</i> , 2019, 4, 888-895.  | 17.4 | 117       |
| 3  | Precursor Concentration Affects Grain Size, Crystal Orientation, and Local Performance in Mixed-Ion Lead Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 6801-6808. | 5.1  | 65        |
| 4  | Probing Linewidths and Biexciton Quantum Yields of Single Cesium Lead Halide Nanocrystals in Solution. <i>Nano Letters</i> , 2017, 17, 6838-6846.  | 9.1  | 62        |
| 5  | Size-Dependent Biexciton Spectrum in CsPbBr <sub>3</sub> Perovskite Nanocrystals. <i>ACS Energy Letters</i> , 2019, 4, 2639-2645.  | 17.4 | 53        |
| 6  | Light Management in Organic Photovoltaics Processed in Ambient Conditions Using ZnO Nanowire and Antireflection Layer with Nanocone Array. <i>Small</i> , 2019, 15, e1900508.              | 10.0 | 31        |
| 7  | Setting an Upper Bound to the Biexciton Binding Energy in CsPbBr <sub>3</sub> Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5680-5686.                 | 4.6  | 29        |
| 8  | Multiexciton Lifetimes Reveal Triexciton Emission Pathway in CdSe Nanocrystals. <i>Nano Letters</i> , 2018, 18, 5153-5158.   | 9.1  | 27        |
| 9  | Electron-Induced Radiolysis of Astrochemically Relevant Ammonia Ices. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 800-810.   | 2.7  | 21        |
| 10 | Resolving the Triexciton Recombination Pathway in CdSe/CdS Nanocrystals through State-Specific Correlation Measurements. <i>Nano Letters</i> , 2021, 21, 7457-7464.                        | 9.1  | 13        |
| 11 | Photocharging of Colloidal CdS Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22650-22659.  | 3.1  | 13        |
| 12 | The Kinetics of Electron Transfer from CdS Nanorods to the MoFe Protein of Nitrogenase. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8425-8435.                                     | 3.1  | 7         |
| 13 | The Motion of Trapped Holes on Nanocrystal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9876-9885.   | 4.6  | 4         |
| 14 | Supramolecular Lattice Deformation and Exciton Trapping in Nanotubular J-Aggregates. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4095-4105.  | 3.1  | 3         |