

# James K Utterback

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15  
papers

390  
citations

11  
h-index

16  
g-index

16  
ext. papers

475  
ext. citations

9.8  
avg, IF

3.47  
L-index

#	Paper	IF	Citations
15	Self-assembly of nanocrystals into strongly electronically coupled all-inorganic supercrystals.. <i>Science</i> , <b>2022</b> , 375, 1422-1426	33.3	6
14	Nanoscale Disorder Generates Subdiffusive Heat Transport in Self-Assembled Nanocrystal Films. <i>Nano Letters</i> , <b>2021</b> , 21, 3540-3547	11.5	1
13	Nonequilibrium Thermodynamics of Colloidal Gold Nanocrystals Monitored by Ultrafast Electron Diffraction and Optical Scattering Microscopy. <i>ACS Nano</i> , <b>2020</b> , 14, 4792-4804	16.7	13
12	Electron Transfer from Semiconductor Nanocrystals to Redox Enzymes. <i>Annual Review of Physical Chemistry</i> , <b>2020</b> , 71, 335-359	15.7	18
11	The Motion of Trapped Holes on Nanocrystal Surfaces. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 9876-9885	6.4	2
10	Temperature-Dependent Transient Absorption Spectroscopy Elucidates Trapped-Hole Dynamics in CdS and CdSe Nanorods. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 2782-2787	6.4	11
9	Quantum Efficiency of Charge Transfer Competing against Nonexponential Processes: The Case of Electron Transfer from CdS Nanorods to Hydrogenase. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 886-896	3.8	18
8	Trapped-Hole Diffusion in Photoexcited CdSe Nanorods. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 16974-16984	3.8	18
7	Role of Surface-Capping Ligands in Photoexcited Electron Transfer between CdS Nanorods and [FeFe] Hydrogenase and the Subsequent H <sub>2</sub> Generation. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 741-750	3.8	41
6	On the Nature of Trapped-Hole States in CdS Nanocrystals and the Mechanism of Their Diffusion. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3532-3537	6.4	18
5	Relationships between Exciton Dissociation and Slow Recombination within ZnSe/CdS and CdSe/CdS Dot-in-Rod Heterostructures. <i>Nano Letters</i> , <b>2017</b> , 17, 3764-3774	11.5	29
4	Observation of trapped-hole diffusion on the surfaces of CdS nanorods. <i>Nature Chemistry</i> , <b>2016</b> , 8, 1061-1066	10.66	78
3	Competition between electron transfer, trapping, and recombination in CdS nanorod-hydrogenase complexes. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 5538-42	3.6	38
2	Temperature dependence of pressure broadening and shifts of acetylene at 1550 nm by N <sub>2</sub> . <i>Molecular Physics</i> , <b>2011</b> , 109, 2199-2208	1.7	5
1	Conformation of self-assembled porphyrin dimers in liposome vesicles by phase-modulation 2D fluorescence spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16521-6	11.5	96