Nicholas C Anderson

List of Publications by Year
in descending order

21	2,002	471509 17	713466 21
papers	citations	h-index	g-index

21	21	21	3563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ligand Exchange and the Stoichiometry of Metal Chalcogenide Nanocrystals: Spectroscopic Observation of Facile Metal-Carboxylate Displacement and Binding. Journal of the American Chemical Society, 2013, 135, 18536-18548.	13.7	714
2	Targeted Ligand-Exchange Chemistry on Cesium Lead Halide Perovskite Quantum Dots for High-Efficiency Photovoltaics. Journal of the American Chemical Society, 2018, 140, 10504-10513.	13.7	303
3	Soluble, Chloride-Terminated CdSe Nanocrystals: Ligand Exchange Monitored by ¹H and ³¹P NMR Spectroscopy. Chemistry of Materials, 2013, 25, 69-76.	6.7	154
4	Broadband Absorbing Bulk Heterojunction Photovoltaics Using Low-Bandgap Solution-Processed Quantum Dots. Nano Letters, 2010, 10, 2635-2639.	9.1	123
5	Tight Binding of Carboxylate, Phosphonate, and Carbamate Anions to Stoichiometric CdSe Nanocrystals. Journal of the American Chemical Society, 2017, 139, 3227-3236.	13.7	84
6	Oxidatively Stable Nanoporous Silicon Photocathodes with Enhanced Onset Voltage for Photoelectrochemical Proton Reduction. Nano Letters, 2015, 15, 2517-2525.	9.1	80
7	Absence of Photoinduced Charge Transfer in Blends of PbSe Quantum Dots and Conjugated Polymers. ACS Nano, 2009, 3, 1345-1352.	14.6	75
8	Silyl Radical Abstraction in the Functionalization of Plasma-Synthesized Silicon Nanocrystals. Chemistry of Materials, 2015, 27, 6869-6878.	6.7	72
9	Synthesis and Spectroscopy of Silver-Doped PbSe Quantum Dots. Journal of the American Chemical Society, 2017, 139, 10382-10394.	13.7	58
10	Effect of Surface Stoichiometry on Blinking and Hole Trapping Dynamics in CdSe Nanocrystals. Journal of Physical Chemistry C, 2015, 119, 27797-27803.	3.1	55
11	Proton Reduction Using a Hydrogenase-Modified Nanoporous Black Silicon Photoelectrode. ACS Applied Materials & Interfaces, 2016, 8, 14481-14487.	8.0	44
12	Electrical Transport and Grain Growth in Solution-Cast, Chloride-Terminated Cadmium Selenide Nanocrystal Thin Films. ACS Nano, 2014, 8, 7513-7521.	14.6	41
13	Characterization of Silicon Nanocrystal Surfaces by Multidimensional Solid-State NMR Spectroscopy. Chemistry of Materials, 2017, 29, 10339-10351.	6.7	37
14	All-Inorganic Germanium Nanocrystal Films by Cationic Ligand Exchange. Nano Letters, 2016, 16, 1949-1954.	9.1	32
15	Stereoelectronic Effects on the Binding of Neutral Lewis Bases to CdSe Nanocrystals. Journal of the American Chemical Society, 2018, 140, 7199-7205.	13.7	32
16	Covalent Surface Modification of Gallium Arsenide Photocathodes for Water Splitting in Highly Acidic Electrolyte. ChemSusChem, 2017, 10, 767-773.	6.8	27
17	Time-resolved energy transfer from single chloride-terminated nanocrystals to graphene. Applied Physics Letters, 2014, 104, 171101.	3.3	23
18	Silicon Photoelectrode Thermodynamics and Hydrogen Evolution Kinetics Measured by Intensity-Modulated High-Frequency Resistivity Impedance Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 5253-5258.	4.6	16

#	Article	IF	Citations
19	Revealing the semiconductorâ€“catalyst interface in buried platinum black silicon photocathodes. Journal of Materials Chemistry A, 2016, 4, 8123-8129.	10.3	15
20	Dynamic Evolution of 2D Layers within Perovskite Nanocrystals via Salt Pair Extraction and Reinsertion. Journal of Physical Chemistry C, 2018, 122, 14029-14038.	3.1	14
21	Morphological Control of InxGa1â€“xP Nanocrystals Synthesized in a Nonthermal Plasma. Chemistry of Materials, 2018, 30, 3131-3140.	6.7	3