

Margaret H Hudson

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

512
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum dot solids showing state-resolved band-like transport. <i>Nature Materials</i> , 2020, 19, 323-329.	27.5	136
2	Origin of Broad Emission Spectra in InP Quantum Dots: Contributions from Structural and Electronic Disorder. <i>Journal of the American Chemical Society</i> , 2018, 140, 15791-15803.	13.7	123
3	High Carrier Mobility in HgTe Quantum Dot Solids Improves Mid-IR Photodetectors. <i>ACS Photonics</i> , 2019, 6, 2358-2365.	6.6	77
4	Self-assembly of nanocrystals into strongly electronically coupled all-inorganic supercrystals. <i>Science</i> , 2022, 375, 1422-1426.	12.6	57
5	Conduction Band Fine Structure in Colloidal HgTe Quantum Dots. <i>ACS Nano</i> , 2018, 12, 9397-9404.	14.6	56
6	New Forms of CdSe: Molecular Wires, Gels, and Ordered Mesoporous Assemblies. <i>Journal of the American Chemical Society</i> , 2017, 139, 3368-3377.	13.7	16
7	Soluble Lead and Bismuth Chalcogenidometallates: Versatile Solders for Thermoelectric Materials. <i>Chemistry of Materials</i> , 2017, 29, 6396-6404.	6.7	14
8	Passivation of Electron Trap States in InP Quantum Dots with Benzoic Acid Ligands. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18362-18371.	3.1	12
9	Engineering Long-Lived Blue Photoluminescence from InP Quantum Dots Using Isomers of Naphthoic Acid. <i>Journal of the American Chemical Society</i> , 2022, 144, 3527-3534.	13.7	10
10	Magnetoresistance of high mobility HgTe quantum dot films with controlled charging. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13771-13777.	5.5	6
11	Synthesis of In _{1-x} Ga _x P Quantum Dots in Lewis Basic Molten Salts: The Effects of Surface Chemistry, Reaction Conditions, and Molten Salt Composition. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1564-1580.	3.1	5