

Jiachen Sun

List of Publications by Year in descending order

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9
papers

607
citations

1039880

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1474057

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9
all docs

9
docs citations

9
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic/Inorganic Metal Halide Perovskite Optoelectronic Devices beyond Solar Cells. <i>Advanced Science</i> , 2018, 5, 1700780.	5.6	144
2	Electronic Structure of the Plasmons in Metal Nanocrystals: Fundamental Limitations for the Energy Efficiency of Hot Electron Generation. <i>ACS Energy Letters</i> , 2019, 4, 2552-2568.	8.8	98
3	Eco-Friendly Colloidal Quantum Dot-Based Luminescent Solar Concentrators. <i>Advanced Science</i> , 2019, 6, 1801967.	5.6	93
4	Generation of Hot Electrons with Chiral Metamaterial Perfect Absorbers: Giant Optical Chirality for Polarization-Sensitive Photochemistry. <i>ACS Photonics</i> , 2019, 6, 3241-3252.	3.2	64
5	Three-Dimensional Molybdenum Diselenide Helical Nanorod Arrays for High-Performance Aluminum-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 8539-8550.	7.3	57
6	Nanolasers Based on 2D Materials. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000271.	4.4	47
7	Advanced High-Performance Potassium-Chalcogen (S, Se, Te) Batteries. <i>Small</i> , 2021, 17, e2004369.	5.2	45
8	Environmentally friendly Mn-alloyed core/shell quantum dots for high-efficiency photoelectrochemical cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10736-10741.	5.2	33
9	Electronic structure modulation of bifunctional oxygen catalysts for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1229-1237.	5.2	26