

Jason J Yoo

List of Publications by Year in descending order

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15
papers

3,073
citations

623734

14
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

3792
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient perovskite solar cells via improved carrier management. <i>Nature</i> , 2021, 590, 587-593.	27.8	1,972
2	An interface stabilized perovskite solar cell with high stabilized efficiency and low voltage loss. <i>Energy and Environmental Science</i> , 2019, 12, 2192-2199.	30.8	542
3	Solvent-Engineering Method to Deposit Compact Bismuth-Based Thin Films: Mechanism and Application to Photovoltaics. <i>Chemistry of Materials</i> , 2018, 30, 336-343.	6.7	87
4	How machine learning can help select capping layers to suppress perovskite degradation. <i>Nature Communications</i> , 2020, 11, 4172.	12.8	75
5	A data fusion approach to optimize compositional stability of halide perovskites. <i>Matter</i> , 2021, 4, 1305-1322.	10.0	75
6	Toward Efficient Perovskite Solar Cells: Progress, Strategies, and Perspectives. <i>ACS Energy Letters</i> , 2022, 7, 2084-2091.	17.4	68
7	Increasing the Collision Rate of Particle Impact Electroanalysis with Magnetically Guided Pt-Decorated Iron Oxide Nanoparticles. <i>ACS Nano</i> , 2015, 9, 7583-7595.	14.6	47
8	The effect of structural dimensionality on carrier mobility in lead-halide perovskites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23949-23957.	10.3	38
9	Electrochemical Detection of Insulating Beads at Subattomolar Concentration via Magnetic Enrichment in a Microfluidic Device. <i>Analytical Chemistry</i> , 2014, 86, 4302-4307.	6.5	32
10	Mechanistic Insights and Controlled Synthesis of Radioluminescent ZnSe Quantum Dots Using a Microfluidic Reactor. <i>Chemistry of Materials</i> , 2018, 30, 8562-8570.	6.7	32
11	Direct electrochemical detection of individual collisions between magnetic microbead/silver nanoparticle conjugates and a magnetized ultramicroelectrode. <i>Chemical Science</i> , 2015, 6, 6665-6671.	7.4	31
12	Zinc Thiolate Enables Bright Cu ²⁺ -Deficient Cu ²⁺ -In ₂ S ₃ /ZnS Quantum Dots. <i>Small</i> , 2019, 15, e1901462.	10.0	24
13	Interfacial Trap-Assisted Triplet Generation in Lead Halide Perovskite Sensitized Solid-State Upconversion. <i>Advanced Materials</i> , 2021, 33, e2100854.	21.0	18
14	Single Nanocrystal Spectroscopy of Shortwave Infrared Emitters. <i>ACS Nano</i> , 2019, 13, 1042-1049.	14.6	16
15	Molecular Engineering for Function-Tailored Interface Modifier in High-Performance Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	16