

Soonmin Yim

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

992
citations

623734

14
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

2517
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Doping of Vacancy-Containing Few-Layer MoS ₂ <i>via</i> Highly Stable Thiol-Based Molecular Chemisorption. ACS Nano, 2015, 9, 12115-12123.	14.6	320
2	High-resolution nanotransfer printing applicable to diverse surfaces via interface-targeted adhesion switching. Nature Communications, 2014, 5, 5387.	12.8	178
3	Atomic Layer Etching Mechanism of MoS ₂ for Nanodevices. ACS Applied Materials & Interfaces, 2017, 9, 11967-11976.	8.0	81
4	Ultrasensitive MoS ₂ photodetector by serial nano-bridge multi-heterojunction. Nature Communications, 2019, 10, 4701.	12.8	66
5	Extremely Small Pyrrhotite Fe ₇ S ₈ Nanocrystals with Simultaneous Carbon Encapsulation for High-Performance Na-Ion Batteries. Small, 2018, 14, 1702816.	10.0	62
6	Long-Term Stable 2H-MoS ₂ Dispersion: Critical Role of Solvent for Simultaneous Phase Restoration and Surface Functionalization of Liquid-Exfoliated MoS ₂ . ACS Omega, 2017, 2, 4678-4687.	3.5	55
7	Natural-Wood-Derived Lignosulfonate Ionomer as Multifunctional Binder for High-Performance Lithium-Sulfur Battery. ACS Sustainable Chemistry and Engineering, 2019, 7, 17580-17586.	6.7	43
8	Area-Selective Lift-Off Mechanism Based on Dual-Triggered Interfacial Adhesion Switching: Highly Facile Fabrication of Flexible Nanomesh Electrode. ACS Nano, 2017, 11, 3506-3516.	14.6	33
9	Interfacial band-edge engineered TiO ₂ protection layer on Cu ₂ O photocathodes for efficient water reduction reaction. Electronic Materials Letters, 2017, 13, 57-65.	2.2	33
10	Highly Asymmetric n ⁺ -p Heterojunction Quantum-Dot Solar Cells with Significantly Improved Charge Collection Efficiencies. Advanced Materials, 2016, 28, 1780-1787.	21.0	29
11	Versatile, transferrable 3-dimensionally nanofabricated Au catalysts with high-index crystal planes for highly efficient and robust electrochemical CO ₂ reduction. Journal of Materials Chemistry A, 2019, 7, 6045-6052.	10.3	28
12	Transferrable Plasmonic Au Thin Film Containing Sub-20 nm Nanohole Array Constructed via High-Resolution Polymer Self-Assembly and Nanotransfer Printing. ACS Applied Materials & Interfaces, 2018, 10, 2216-2223.	8.0	22
13	In Situ Nanolithography with Sub-10 nm Resolution Realized by Thermally Assisted Spin-Casting of a Self-Assembling Polymer. Advanced Materials, 2015, 27, 4814-4822.	21.0	20
14	Surface Shielding Nanostructures Derived from Self-Assembled Block Copolymers Enable Reliable Plasma Doping for Few-Layer Transition Metal Dichalcogenides. Advanced Functional Materials, 2016, 26, 5631-5640.	14.9	19
15	Nanopatterned High-Frequency Supporting Structures Stably Eliminate Substrate Effects Imposed on Two-Dimensional Semiconductors. Nano Letters, 2018, 18, 2893-2902.	9.1	3