

Jieun Yang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

5,832
citations

279487

23
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

10393
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical vapour deposition. Nature Reviews Methods Primers, 2021, 1, .	11.8	244
2	Evidence of Rotational Fröhlich Coupling in Polaronic Trions. Physical Review Letters, 2020, 125, 086803.	2.9	14
3	Single Atomic Vacancy Catalysis. ACS Nano, 2019, 13, 9958-9964.	7.3	111
4	Plasmon-Free Surface-Enhanced Raman Spectroscopy Using Metallic 2D Materials. ACS Nano, 2019, 13, 8312-8319.	7.3	94
5	Ultrahigh-current-density niobium disulfide catalysts for hydrogen evolution. Nature Materials, 2019, 18, 1309-1314.	13.3	280
6	Role of Sulfur Vacancies and Undercoordinated Mo Regions in MoS ₂ Nanosheets toward the Evolution of Hydrogen. ACS Nano, 2019, 13, 6824-6834.	7.3	402
7	Van der Waals contacts between three-dimensional metals and two-dimensional semiconductors. Nature, 2019, 568, 70-74.	13.7	551
8	Synthesis and reduction of large sized graphene oxide sheets. Chemical Society Reviews, 2017, 46, 7306-7316.	18.7	221
9	Solution-Processed MoS ₂ /Organolead Trihalide Perovskite Photodetectors. Advanced Materials, 2017, 29, 1603995.	11.1	187
10	Recent Strategies for Improving the Catalytic Activity of 2D TMD Nanosheets Toward the Hydrogen Evolution Reaction. Advanced Materials, 2016, 28, 6197-6206.	11.1	769
11	High-quality graphene via microwave reduction of solution-exfoliated graphene oxide. Science, 2016, 353, 1413-1416.	6.0	670
12	Selective synthesis of pure cobalt disulfide on reduced graphene oxide sheets and its high electrocatalytic activity for hydrogen evolution reaction. Nano Convergence, 2016, 3, 5.	6.3	25
13	The role of electronic coupling between substrate and 2D MoS ₂ nanosheets in electrocatalytic production of hydrogen. Nature Materials, 2016, 15, 1003-1009.	13.3	687
14	Phase-engineered transition-metal dichalcogenides for energy and electronics. MRS Bulletin, 2015, 40, 585-591.	1.7	71
15	VS ₂ /rGO hybrid nanosheets prepared by annealing of VS ₄ /rGO. Journal of Solid State Chemistry, 2015, 224, 82-87.	1.4	46
16	Recent advances in layered transition metal dichalcogenides for hydrogen evolution reaction. Journal of Materials Chemistry A, 2014, 2, 5979-5985.	5.2	258
17	Catalyst-Free Synthesis of Si-SiO ₂ Core-Shell Nanowire Anodes for High-Rate and High-Capacity Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 6340-6345.	4.0	52
18	Two-Dimensional Hybrid Nanosheets of Tungsten Disulfide and Reduced Graphene Oxide as Catalysts for Enhanced Hydrogen Evolution. Angewandte Chemie - International Edition, 2013, 52, 13751-13754.	7.2	474

#	ARTICLE	IF	CITATIONS
19	Selective formation of thickness-controlled fullerene disks by vaporâ€“solid process. Journal of Crystal Growth, 2013, 363, 141-144.	0.7	4
20	Freeze-dried WS ₂ composites with low content of graphene as high-rate lithium storage materials. Journal of Materials Chemistry A, 2013, 1, 14548.	5.2	89
21	Synthesis and Characterization of Patronite Form of Vanadium Sulfide on Graphitic Layer. Journal of the American Chemical Society, 2013, 135, 8720-8725.	6.6	300
22	Facile Method for rGO Field Effect Transistor: Selective Adsorption of rGO on SAMâ€“Treated Gold Electrode by Electrostatic Attraction. Advanced Materials, 2012, 24, 2299-2303.	11.1	26
23	Large-Area Graphene Films by Simple Solution Casting of Edge-Selectively Functionalized Graphite. ACS Nano, 2011, 5, 4974-4980.	7.3	98
24	Reduced Graphene Oxide (rGO)-Wrapped Fullerene (C ₆₀) Wires. ACS Nano, 2011, 5, 8365-8371.	7.3	63
25	Wavelength-selective silencing of photocurrent in Au-coated C ₆₀ wire hybrid. Chemical Communications, 2010, 46, 2575.	2.2	14