

# Jieun Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

5,832  
citations

279798

23  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

10393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Strategies for Improving the Catalytic Activity of 2D TMD Nanosheets Toward the Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2016, 28, 6197-6206.	21.0	769
2	The role of electronic coupling between substrate and 2D MoS <sub>2</sub> nanosheets in electrocatalytic production of hydrogen. <i>Nature Materials</i> , 2016, 15, 1003-1009.	27.5	687
3	High-quality graphene via microwave reduction of solution-exfoliated graphene oxide. <i>Science</i> , 2016, 353, 1413-1416.	12.6	670
4	Van der Waals contacts between three-dimensional metals and two-dimensional semiconductors. <i>Nature</i> , 2019, 568, 70-74.	27.8	551
5	Two-Dimensional Hybrid Nanosheets of Tungsten Disulfide and Reduced Graphene Oxide as Catalysts for Enhanced Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13751-13754.	13.8	474
6	Role of Sulfur Vacancies and Undercoordinated Mo Regions in MoS <sub>2</sub> Nanosheets toward the Evolution of Hydrogen. <i>ACS Nano</i> , 2019, 13, 6824-6834.	14.6	402
7	Synthesis and Characterization of Patronite Form of Vanadium Sulfide on Graphitic Layer. <i>Journal of the American Chemical Society</i> , 2013, 135, 8720-8725.	13.7	300
8	Ultrahigh-current-density niobium disulfide catalysts for hydrogen evolution. <i>Nature Materials</i> , 2019, 18, 1309-1314.	27.5	280
9	Recent advances in layered transition metal dichalcogenides for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5979-5985.	10.3	258
10	Chemical vapour deposition. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	244
11	Synthesis and reduction of large sized graphene oxide sheets. <i>Chemical Society Reviews</i> , 2017, 46, 7306-7316.	38.1	221
12	Solution-Processed MoS <sub>2</sub> /Organolead Trihalide Perovskite Photodetectors. <i>Advanced Materials</i> , 2017, 29, 1603995.	21.0	187
13	Single Atomic Vacancy Catalysis. <i>ACS Nano</i> , 2019, 13, 9958-9964.	14.6	111
14	Large-Area Graphene Films by Simple Solution Casting of Edge-Selectively Functionalized Graphite. <i>ACS Nano</i> , 2011, 5, 4974-4980.	14.6	98
15	Plasmon-Free Surface-Enhanced Raman Spectroscopy Using Metallic 2D Materials. <i>ACS Nano</i> , 2019, 13, 8312-8319.	14.6	94
16	Freeze-dried WS <sub>2</sub> composites with low content of graphene as high-rate lithium storage materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14548.	10.3	89
17	Phase-engineered transition-metal dichalcogenides for energy and electronics. <i>MRS Bulletin</i> , 2015, 40, 585-591.	3.5	71
18	Reduced Graphene Oxide (rGO)-Wrapped Fullerene (C <sub>60</sub> ) Wires. <i>ACS Nano</i> , 2011, 5, 8365-8371.	14.6	63

#	ARTICLE	IF	CITATIONS
19	Catalyst-Free Synthesis of Si-SiO <sub>2</sub> Core-Shell Nanowire Anodes for High-Rate and High-Capacity Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 6340-6345.	8.0	52
20	VS <sub>2</sub> /rGO hybrid nanosheets prepared by annealing of VS <sub>4</sub> /rGO. Journal of Solid State Chemistry, 2015, 224, 82-87.	2.9	46
21	Facile Method for rGO Field Effect Transistor: Selective Adsorption of rGO on SAM-Treated Gold Electrode by Electrostatic Attraction. Advanced Materials, 2012, 24, 2299-2303.	21.0	26
22	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.	12.1	25
23	Wavelength-selective silencing of photocurrent in Au-coated C60 wire hybrid. Chemical Communications, 2010, 46, 2575.	4.1	14
24	Evidence of Rotational Frictional Coupling in Polaronic Trions. Physical Review Letters, 2020, 125, 086803.	7.8	14
25	Selective formation of thickness-controlled fullerene disks by vapor-solid process. Journal of Crystal Growth, 2013, 363, 141-144.	1.5	4