

Yifan Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4350543/publications.pdf>

Version: 2024-02-01

24
papers

3,254
citations

430874

18
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

6416
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition Metal Dichalcogenides and Beyond: Synthesis, Properties, and Applications of Single- and Few-Layer Nanosheets. <i>Accounts of Chemical Research</i> , 2015, 48, 56-64.	15.6	1,089
2	Fast and Efficient Preparation of Exfoliated 2H MoS ₂ Nanosheets by Sonication-Assisted Lithium Intercalation and Infrared Laser-Induced 1T to 2H Phase Reversion. <i>Nano Letters</i> , 2015, 15, 5956-5960.	9.1	603
3	2D materials advances: from large scale synthesis and controlled heterostructures to improved characterization techniques, defects and applications. <i>2D Materials</i> , 2016, 3, 042001.	4.4	408
4	High-entropy materials for catalysis: A new frontier. <i>Science Advances</i> , 2021, 7, .	10.3	294
5	Controlled Exfoliation of MoS ₂ Crystals into Trilayer Nanosheets. <i>Journal of the American Chemical Society</i> , 2016, 138, 5143-5149.	13.7	207
6	Lysine-assisted hydrothermal synthesis of hierarchically porous Fe ₂ O ₃ microspheres as anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013, 222, 59-65.	7.8	88
7	Low-Temperature Solution Synthesis of Few-Layer 1T _x MoTe ₂ Nanostructures Exhibiting Lattice Compression. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2830-2834.	13.8	84
8	Interface-mediated noble metal deposition on transition metal dichalcogenide nanostructures. <i>Nature Chemistry</i> , 2020, 12, 284-293.	13.6	73
9	Low-Temperature Solution Synthesis of Transition Metal Dichalcogenide Alloys with Tunable Optical Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 11096-11105.	13.7	68
10	Insights into the Enhanced Cycle and Rate Performances of the F _x -Substituted P ₂ -Type Oxide Cathodes for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000135.	19.5	57
11	Self-regenerative noble metal catalysts supported on high-entropy oxides. <i>Chemical Communications</i> , 2020, 56, 15056-15059.	4.1	34
12	Topotactic Synthesis of Phosphabenzene-Functionalized Porous Organic Polymers: Efficient Ligands in CO ₂ Conversion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13763-13767.	13.8	32
13	Defect-mediated selective hydrogenation of nitroarenes on nanostructured WS ₂ . <i>Chemical Science</i> , 2019, 10, 10310-10317.	7.4	30
14	Colloidal Nanostructures of Transition-Metal Dichalcogenides. <i>Accounts of Chemical Research</i> , 2021, 54, 1517-1527.	15.6	29
15	Hierarchical hollow Fe ₂ O ₃ micro-flowers composed of porous nanosheets as high performance anodes for lithium-ion batteries. <i>RSC Advances</i> , 2013, 3, 20639.	3.6	28
16	Defect Engineering of Ceria Nanocrystals for Enhanced Catalysis via a High-Entropy Oxide Strategy. <i>ACS Central Science</i> , 2022, 8, 1081-1090.	11.3	25
17	Solution synthesis of few-layer WTe ₂ and Mo _x W _{1-x} Te ₂ nanostructures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11317-11323.	5.5	23
18	Low-Temperature Solution Synthesis of Few-Layer 1T _x MoTe ₂ Nanostructures Exhibiting Lattice Compression. <i>Angewandte Chemie</i> , 2016, 128, 2880-2884.	2.0	22

#	ARTICLE	IF	CITATIONS
19	From Highly Purified Boron Nitride to Boron Nitride-Based Heterostructures: An Inorganic Precursor-Based Strategy. <i>Advanced Functional Materials</i> , 2019, 29, 1906284.	14.9	22
20	Manipulating Copper Dispersion on Ceria for Enhanced Catalysis: A Nanocrystal-Based Atom-Trapping Strategy. <i>Advanced Science</i> , 2022, 9, e2104749.	11.2	16
21	Solution-Synthesized In ₄ SnSe ₄ Semiconductor Microwires with a Direct Band Gap. <i>Chemistry of Materials</i> , 2017, 29, 1095-1098.	6.7	12
22	Mechanistic Insights of Pore Contributions in Carbon Supercapacitors by Modified Step Potential Electrochemical Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060530.	2.9	4
23	High-entropy catalysts: Supremacy of diversity. <i>Chem Catalysis</i> , 2021, 1, 490-492.	6.1	4
24	Controlling the elasticity of polyacrylonitrile fibers <i>via</i> ionic liquids containing cyano-based anions. <i>RSC Advances</i> , 2022, 12, 8656-8660.	3.6	2