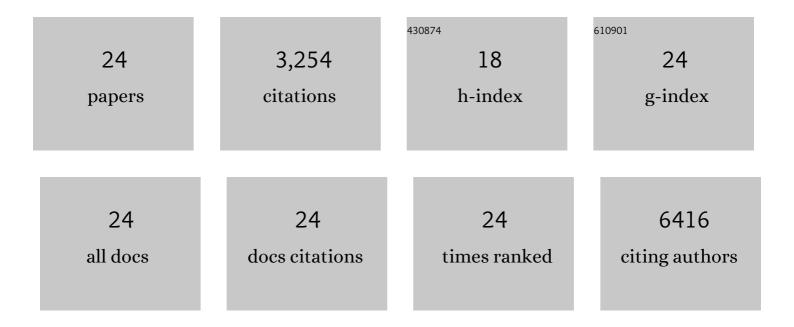
## Yifan Sun

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Transition Metal Dichalcogenides and Beyond: Synthesis, Properties, and Applications of Single- and Few-Layer Nanosheets. Accounts of Chemical Research, 2015, 48, 56-64.	15.6	1,089
2	Fast and Efficient Preparation of Exfoliated 2H MoS <sub>2</sub> Nanosheets by Sonication-Assisted Lithium Intercalation and Infrared Laser-Induced 1T to 2H Phase Reversion. Nano Letters, 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. 2D Materials, 2016, 3, 042001.	4.4	408
4	High-entropy materials for catalysis: A new frontier. Science Advances, 2021, 7, .	10.3	294
5	Controlled Exfoliation of MoS <sub>2</sub> Crystals into Trilayer Nanosheets. Journal of the American Chemical Society, 2016, 138, 5143-5149.	13.7	207
6	Lysine-assisted hydrothermal synthesis of hierarchically porous Fe2O3 microspheres as anode materials for lithium-ion batteries. Journal of Power Sources, 2013, 222, 59-65.	7.8	88
7	Lowâ€Temperature Solution Synthesis of Fewâ€Layer 1T ′â€MoTe <sub>2</sub> Nanostructures Exhibiting Lattice Compression. Angewandte Chemie - International Edition, 2016, 55, 2830-2834.	<sup>3</sup> 13.8	84
8	Interface-mediated noble metal deposition on transition metal dichalcogenide nanostructures. Nature Chemistry, 2020, 12, 284-293.	13.6	73
9	Low-Temperature Solution Synthesis of Transition Metal Dichalcogenide Alloys with Tunable Optical Properties. Journal of the American Chemical Society, 2017, 139, 11096-11105.	13.7	68
10	Insights into the Enhanced Cycle and Rate Performances of the Fâ€Substituted P2â€Type Oxide Cathodes for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2000135.	19.5	57
11	Self-regenerative noble metal catalysts supported on high-entropy oxides. Chemical Communications, 2020, 56, 15056-15059.	4.1	34
12	Topotactic Synthesis of Phosphabenzeneâ€Functionalized Porous Organic Polymers: Efficient Ligands in CO <sub>2</sub> Conversion. Angewandte Chemie - International Edition, 2019, 58, 13763-13767.	13.8	32
13	Defect-mediated selective hydrogenation of nitroarenes on nanostructured WS <sub>2</sub> . Chemical Science, 2019, 10, 10310-10317.	7.4	30
14	Colloidal Nanostructures of Transition-Metal Dichalcogenides. Accounts of Chemical Research, 2021, 54, 1517-1527.	15.6	29
15	Hierarchical hollow Fe2O3 micro-flowers composed of porous nanosheets as high performance anodes for lithium-ion batteries. RSC Advances, 2013, 3, 20639.	3.6	28
16	Defect Engineering of Ceria Nanocrystals for Enhanced Catalysis via a High-Entropy Oxide Strategy. ACS Central Science, 2022, 8, 1081-1090.	11.3	25
17	Solution synthesis of few-layer WTe <sub>2</sub> and Mo <sub>x</sub> W <sub>1â^'x</sub> Te <sub>2</sub> nanostructures. Journal of Materials Chemistry C, 2017, 5, 11317-11323.	5.5	23
18	Lowâ€Temperature Solution Synthesis of Few‣ayer 1T ′â€MoTe 2 Nanostructures Exhibiting Lattice Compression. Angewandte Chemie, 2016, 128, 2880-2884.	2.0	22

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#	Article	IF	CITATIONS
19	From Highly Purified Boron Nitride to Boron Nitrideâ€Based Heterostructures: An Inorganic Precursorâ€Based Strategy. Advanced Functional Materials, 2019, 29, 1906284.	14.9	22
20	Manipulating Copper Dispersion on Ceria for Enhanced Catalysis: A Nanocrystalâ€Based Atomâ€Trapping Strategy. Advanced Science, 2022, 9, e2104749.	11.2	16
21	Solution-Synthesized In4SnSe4 Semiconductor Microwires with a Direct Band Gap. Chemistry of Materials, 2017, 29, 1095-1098.	6.7	12
22	Mechanistic Insights of Pore Contributions in Carbon Supercapacitors by Modified Step Potential Electrochemical Spectroscopy. Journal of the Electrochemical Society, 2021, 168, 060530.	2.9	4
23	High-entropy catalysts: Supremacy of diversity. Chem Catalysis, 2021, 1, 490-492.	6.1	4
24	Controlling the elasticity of polyacrylonitrile fibers <i>via</i> ionic liquids containing cyano-based anions. RSC Advances, 2022, 12, 8656-8660.	3.6	2