

# Sujuan Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,511  
citations

361413

20  
h-index

315739

38  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning surface sites to boost photocatalytic degradation of phenol and ciprofloxacin. Chinese Chemical Letters, 2023, 34, 107204.	9.0	8
2	A Mixed Antisolvent-Assisted Crystallization Strategy for Efficient All-Inorganic CsPbI <sub>2</sub> Perovskite Solar Cells by a Low-Temperature Process. ACS Applied Energy Materials, 2022, 5, 2881-2889.	5.1	18
3	Tuning the thermal expansion behavior and promoting the mechanical properties of Mg-Al-Zn magnesium alloys by the introduction of MnCoGe-based alloys. Scripta Materialia, 2022, 214, 114680.	5.2	4
4	Tuning the Active Sites of Atomically Thin Defective Bi <sub>2</sub> O <sub>3</sub> Cl <sub>2</sub> via Incorporation of Subnanometer Clusters. ACS Applied Materials & Interfaces, 2021, 13, 9216-9223.	8.0	21
5	4-Bromoaniline Passivation for Efficient and Stable All-Inorganic CsPbI <sub>2</sub> Br Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 5415-5423.	5.1	12
6	Probing the microscopic mechanisms in photovoltaic degradation behaviors of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite films via photoconductive atomic force microscopy. Surfaces and Interfaces, 2021, 27, 101540.	3.0	1
7	Stable Triple Cation Perovskite Precursor for Highly Efficient Perovskite Solar Cells Enabled by Interaction with 18C6 Stabilizer. Advanced Functional Materials, 2020, 30, 1908613.	14.9	65
8	Fluorinated interfacial layers in perovskite solar cells: efficient enhancement of the fill factor. Journal of Materials Chemistry A, 2020, 8, 16527-16533.	10.3	17
9	Room-Temperature-Processed ZrO <sub>2</sub> Interlayer toward Efficient Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 3328-3336.	5.1	7
10	From Unipolar, WORM-type to Ambipolar, Bistable Organic Electret Memory Device by Controlling Minority Lateral Transport. Advanced Electronic Materials, 2020, 6, 1901320.	5.1	15
11	Enhanced performance and stability of ambient-processed CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -x(SCN) <sub>x</sub> planar perovskite solar cells by introducing ammonium salts. Applied Surface Science, 2020, 513, 145790.	6.1	14
12	Atomic defects in ultra-thin mesoporous TiO <sub>2</sub> enhance photocatalytic hydrogen evolution from water splitting. Applied Surface Science, 2020, 513, 145723.	6.1	37
13	Effects of Surface Terminations of 2D Bi <sub>2</sub> WO <sub>6</sub> on Photocatalytic Hydrogen Evolution from Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 20067-20074.	8.0	78
14	Conformal Filling of TiO <sub>2</sub> Nanotubes with Dense M x S y Films for 3D Heterojunctions: The Anion Effect. ChemElectroChem, 2019, 6, 1177-1182.	3.4	10
15	Solvent-Assisted Low-Temperature Crystallization of SnO <sub>2</sub> Electron-Transfer Layer for High-Efficiency Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900557.	14.9	59
16	Reversibly tuning the surface state of Ag via the assistance of photocatalysis in Ag/BiOCl. Nanotechnology, 2019, 30, 305601.	2.6	16
17	A Bi/BiOI/(BiO) <sub>2</sub> CO <sub>3</sub> heterostructure for enhanced photocatalytic NO removal under visible light. Chinese Journal of Catalysis, 2019, 40, 362-370.	14.0	63
18	Promoting the Hole Extraction with Co <sub>3</sub> O <sub>4</sub> Nanomaterials for Efficient Carbon-Based CsPbI <sub>2</sub> Br Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800315.	5.8	65

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19	A solar tube: Efficiently converting sunlight into electricity and heat. <i>Nano Energy</i> , 2019, 55, 269-276.	16.0	50
20	Room Temperature Fabrication of High Quality $ZrO_2$ Dielectric Films for High Performance Flexible Organic Transistor Applications. <i>IEEE Electron Device Letters</i> , 2018, 39, 280-283.	3.9	13
21	Enhanced photocatalytic activity induced by $sp^3$ to $sp^2$ transition of carbon dopants in BiOCl crystals. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 467-472.	20.2	58
22	High performance planar perovskite solar cells based on $CH_3NH_3PbI_{3-x}(SCN)_x$ perovskite film and $SnO_2$ electron transport layer prepared in ambient air with 70% humidity. <i>Electrochimica Acta</i> , 2018, 260, 468-476.	5.2	27
23	Enhancing the photoresponse and photocatalytic properties of $TiO_2$ by controllably tuning defects across {101} facets. <i>Applied Surface Science</i> , 2018, 434, 711-716.	6.1	23
24	Ion Selectivity and Stability Enhancement of SPEEK/Lignin Membrane for Vanadium Redox Flow Battery: The Degree of Sulfonation Effect. <i>Frontiers in Chemistry</i> , 2018, 6, 549.	3.6	21
25	Surface Reorganization Leads to Enhanced Photocatalytic Activity in Defective BiOCl. <i>Chemistry of Materials</i> , 2018, 30, 5128-5136.	6.7	55
26	Evolution of Oxyhalide Crystals under Electron Beam Irradiation: An in Situ Method To Understand the Origin of Structural Instability. <i>Inorganic Chemistry</i> , 2018, 57, 8988-8993.	4.0	15
27	Improving the performance of low-temperature planar perovskite solar cells by adding functional fullerene end-capped polyethylene glycol derivatives. <i>Journal of Power Sources</i> , 2018, 396, 49-56.	7.8	23
28	Hydroxyl-Dependent Evolution of Oxygen Vacancies Enables the Regeneration of BiOCl Photocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16620-16626.	8.0	176
29	Coaxial anodic oxidation under dynamic electrolyte conditions for inner surface patterning of high-aspect-ratio and slim Ti tubes. <i>Corrosion Science</i> , 2017, 124, 193-197.	6.6	22
30	Supper lattice structure transformation based on nonstoichiometric bismuth oxychloride. <i>Microscopy and Microanalysis</i> , 2017, 23, 1676-1677.	0.4	0
31	Introducing $Ti^{3+}$ defects based on lattice distortion for enhanced visible light photoreactivity in $TiO_2$ microspheres. <i>RSC Advances</i> , 2017, 7, 32461-32467.	3.6	99
32	BiOCl Nanosheets with Controlled Exposed Facets and Improved Photocatalytic Activity. <i>Catalysis Letters</i> , 2017, 147, 2006-2012.	2.6	15
33	Electronic Structure and Charge-Trapping Characteristics of the $Al_2O_3$ - $TiAlO$ - $SiO_2$ Gate Stack for Nonvolatile Memory Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 270.	5.7	17
34	Size-dependent crystalline fluctuation and growth mechanism of bismuth nanoparticles under electron beam irradiation. <i>Nanoscale</i> , 2016, 8, 12282-12288.	5.6	19
35	Controllable growth of BiOCl film with high percentage of exposed {001} facets. <i>Applied Surface Science</i> , 2014, 289, 266-273.	6.1	39
36	The impact of thermal annealing on the morphology of sputter deposited platinum clusters into anodic aluminum oxide pores. <i>Applied Surface Science</i> , 2013, 266, 400-404.	6.1	6

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37	Synthesis and photocatalytic properties of Cu<sub>2</sub>/O/BiOCl semiconductor films. , 2013, , .		0
38	Growth of Intricate ZnO Nanorod Networks on Fe <sub>2</sub> O <sub>3</sub> Coated Si Substrate: Growth Mechanism and Optical Properties. Journal of the American Ceramic Society, 2011, 94, 1992-1994.	3.8	1
39	BiOCl nano/microstructures on substrates: Synthesis and photocatalytic properties. Materials Letters, 2011, 65, 1344-1347.	2.6	64
40	Fabrication and photocatalytic property of ZnO nanorod arrays on Cu <sub>2</sub> O thin film. Materials Letters, 2011, 65, 2284-2286.	2.6	26
41	Enhanced anomalous diffusion of sputtered atoms in nanosized pores. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2112-2116.	2.6	6
42	Lotus-root-like NiO nanosheets and flower-like NiO microspheres: synthesis and magnetic properties. CrystEngComm, 2011, 13, 4930.	2.6	69
43	Synthesis and photocatalytic properties of BiOCl nanowire arrays. Materials Letters, 2010, 64, 115-118.	2.6	157