

Sujuan Wu

List of Publications by Year in descending order

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docs citations

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times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxyl-Dependent Evolution of Oxygen Vacancies Enables the Regeneration of BiOCl Photocatalyst. ACS Applied Materials & Interfaces, 2017, 9, 16620-16626.	8.0	176
2	Synthesis and photocatalytic properties of BiOCl nanowire arrays. Materials Letters, 2010, 64, 115-118.	2.6	157
3	Introducing Ti ³⁺ defects based on lattice distortion for enhanced visible light photoreactivity in TiO ₂ microspheres. RSC Advances, 2017, 7, 32461-32467.	3.6	99
4	Effects of Surface Terminations of 2D Bi ₂ WO ₆ on Photocatalytic Hydrogen Evolution from Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 20067-20074.	8.0	78
5	Lotus-root-like NiO nanosheets and flower-like NiO microspheres: synthesis and magnetic properties. CrystEngComm, 2011, 13, 4930.	2.6	69
6	Promoting the Hole Extraction with Co ₃ O ₄ Nanomaterials for Efficient Carbon-Based CsPb ₂ Br Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800315.	5.8	65
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	BiOCl nano/microstructures on substrates: Synthesis and photocatalytic properties. Materials Letters, 2011, 65, 1344-1347.	2.6	64
9	A Bi/BiOI/(BiO) ₂ CO ₃ heterostructure for enhanced photocatalytic NO removal under visible light. Chinese Journal of Catalysis, 2019, 40, 362-370.	14.0	63
10	Solvent-Assisted Low-Temperature Crystallization of SnO ₂ Electron-Transfer Layer for High-Efficiency Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900557.	14.9	59
11	Enhanced photocatalytic activity induced by sp ³ to sp ² transition of carbon dopants in BiOCl crystals. Applied Catalysis B: Environmental, 2018, 221, 467-472.	20.2	58
12	Surface Reorganization Leads to Enhanced Photocatalytic Activity in Defective BiOCl. Chemistry of Materials, 2018, 30, 5128-5136.	6.7	55
13	A solar tube: Efficiently converting sunlight into electricity and heat. Nano Energy, 2019, 55, 269-276.	16.0	50
14	Controllable growth of BiOCl film with high percentage of exposed {001} facets. Applied Surface Science, 2014, 289, 266-273.	6.1	39
15	Atomic defects in ultra-thin mesoporous TiO ₂ enhance photocatalytic hydrogen evolution from water splitting. Applied Surface Science, 2020, 513, 145723.	6.1	37
16	High performance planar perovskite solar cells based on CH ₃ NH ₃ PbI _{3-x} (SCN) _x perovskite film and SnO ₂ electron transport layer prepared in ambient air with 70% humidity. Electrochimica Acta, 2018, 260, 468-476.	5.2	27
17	Fabrication and photocatalytic property of ZnO nanorod arrays on Cu ₂ O thin film. Materials Letters, 2011, 65, 2284-2286.	2.6	26
18	Enhancing the photoresponse and photocatalytic properties of TiO ₂ by controllably tuning defects across {101} facets. Applied Surface Science, 2018, 434, 711-716.	6.1	23

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19	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
20	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
21	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
22	Tuning the Active Sites of Atomically Thin Defective Bi ₁₂ O ₁₇ Cl ₂ via Incorporation of Subnanometer Clusters. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9216-9223.	8.0	21
23	Size-dependent crystalline fluctuation and growth mechanism of bismuth nanoparticles under electron beam irradiation. <i>Nanoscale</i> , 2016, 8, 12282-12288.	5.6	19
24	A Mixed Antisolvent-Assisted Crystallization Strategy for Efficient All-Inorganic CsPbI ₂ Perovskite Solar Cells by a Low-Temperature Process. <i>ACS Applied Energy Materials</i> , 2022, 5, 2881-2889.	5.1	18
25	Electronic Structure and Charge-Trapping Characteristics of the Al ₂ O ₃ -TiAlO-SiO ₂ Gate Stack for Nonvolatile Memory Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 270.	5.7	17
26	Fluorinated interfacial layers in perovskite solar cells: efficient enhancement of the fill factor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16527-16533.	10.3	17
27	Reversibly tuning the surface state of Ag via the assistance of photocatalysis in Ag/BiOCl. <i>Nanotechnology</i> , 2019, 30, 305601.	2.6	16
28	BiOCl Nanosheets with Controlled Exposed Facets and Improved Photocatalytic Activity. <i>Catalysis Letters</i> , 2017, 147, 2006-2012.	2.6	15
29	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
30	From Unipolar, WORM-type to Ambipolar, Bistable Organic Electret Memory Device by Controlling Minority Lateral Transport. <i>Advanced Electronic Materials</i> , 2020, 6, 1901320.	5.1	15
31	Enhanced performance and stability of ambient-processed CH ₃ NH ₃ PbI _{3-x} (SCN) _x planar perovskite solar cells by introducing ammonium salts. <i>Applied Surface Science</i> , 2020, 513, 145790.	6.1	14
32	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
33	4-Bromoaniline Passivation for Efficient and Stable All-Inorganic CsPbI ₂ Br Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 5415-5423.	5.1	12
34	Conformal Filling of TiO ₂ Nanotubes with Dense M x S y Films for 3D Heterojunctions: The Anion Effect. <i>ChemElectroChem</i> , 2019, 6, 1177-1182.	3.4	10
35	Tuning surface sites to boost photocatalytic degradation of phenol and ciprofloxacin. <i>Chinese Chemical Letters</i> , 2023, 34, 107204.	9.0	8
36	Room-Temperature-Processed ZrO ₂ Interlayer toward Efficient Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 3328-3336.	5.1	7

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37	Enhanced anomalous diffusion of sputtered atoms in nanosized pores. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2112-2116.	2.6	6
38	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
39	Tuning the thermal expansion behavior and promoting the mechanical properties of Mg ⁹ Al ¹ Zn magnesium alloys by the introduction of MnCoGe-based alloys. <i>Scripta Materialia</i> , 2022, 214, 114680.	5.2	4
40	Growth of Intricate ZnO Nanorod Networks on Fe_2O_3 Coated Si Substrate: Growth Mechanism and Optical Properties. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1992-1994.	3.8	1
41	Probing the microscopic mechanisms in photovoltaic degradation behaviors of $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite films via photoconductive atomic force microscopy. <i>Surfaces and Interfaces</i> , 2021, 27, 101540.	3.0	1
42	Synthesis and photocatalytic properties of $\text{Cu}_2\text{O}/\text{BiOCl}$ semiconductor films. , 2013, , .		0
43	Supper lattice structure transformation based on nonstoichiometric bismuth oxychloride. <i>Microscopy and Microanalysis</i> , 2017, 23, 1676-1677.	0.4	0