

Lingling Xu

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,219
citations

257450

24
h-index

223800

46
g-index

60
all docs

60
docs citations

60
times ranked

3082
citing authors

#	ARTICLE	IF	CITATIONS
1	Operando capturing of surface self-reconstruction of Ni ₃ S ₂ /FeNi ₂ S ₄ hybrid nanosheet array for overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 427, 131944.	12.7	110
2	Interfacial electronic modulation of CoP-CoO p-p type heterojunction for enhancing oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1343-1352.	9.4	39
3	Two-Dimensional High-Entropy Metal Phosphorus Trichalcogenides for Enhanced Hydrogen Evolution Reaction. <i>ACS Nano</i> , 2022, 16, 3593-3603.	14.6	77
4	2D Transition Metal Dichalcogenides: Design, Modulation, and Challenges in Electrocatalysis. <i>Advanced Materials</i> , 2021, 33, e1907818.	21.0	284
5	Phase-junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie</i> , 2021, 133, 263-271.	2.0	24
6	Frontispiece: Phase-junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	13.8	0
7	Phase-junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 259-267.	13.8	91
8	In Situ Synthesis of Fe ₂ O ₃ /Fe ₃ O ₄ Heterojunction Photoanode via Fast Flame Annealing for Enhanced Charge Separation and Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4785-4795.	8.0	65
9	Electrocatalysts: 2D Transition Metal Dichalcogenides: Design, Modulation, and Challenges in Electrocatalysis (<i>Adv. Mater.</i> 6/2021). <i>Advanced Materials</i> , 2021, 33, 2170045.	21.0	9
10	In-situ self-reconstruction of Ni-Fe-Al hybrid phosphides nanosheet arrays enables efficient oxygen evolution in alkaline. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25070-25080.	7.1	14
11	Phase-junction engineering boosts the performance of CoSe ₂ for efficient sodium/potassium storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25954-25963.	10.3	30
12	Frontispiz: Phase-junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie</i> , 2021, 133, .	2.0	0
13	Self-supported Hierarchical Fe(PO ₃) ₂ @Cu ₃ P nanotube arrays for efficient hydrogen evolution in alkaline media. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153185.	5.5	23
14	Direct growth of Ni-Fe phosphides nanohybrids on NiFe foam for highly efficient water oxidation. <i>Journal of Alloys and Compounds</i> , 2020, 847, 156363.	5.5	25
15	Heterostructural Ni ₃ S ₂ @Fe ₅ Ni ₄ S ₈ hybrids for efficient electrocatalytic oxygen evolution. <i>Journal of Materials Science</i> , 2020, 55, 15963-15974.	3.7	11
16	Self-supported Reevesite Ni-Fe Layered Double Hydroxide Nanosheet Arrays for Efficient Water Oxidation. <i>ChemistrySelect</i> , 2020, 5, 3062-3068.	1.5	10
17	Self-supported phosphorus-doped CoMoO ₄ rod bundles for efficient hydrogen evolution. <i>Journal of Materials Science</i> , 2020, 55, 6502-6512.	3.7	18
18	Redox sculptured dual-scale porous nickel-iron foams for efficient water oxidation. <i>Electrochimica Acta</i> , 2019, 309, 415-423.	5.2	15

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19	Mo-doped Cobalt Phosphide Nanosheets for Efficient Hydrogen Generation in an Alkaline Media. Energy Technology, 2019, 7, 1900021.	3.8	21
20	Eco-friendly Grafting of Chitosan as a Biopolymer onto Wool Fabrics Using Horseradish Peroxidase. Fibers and Polymers, 2019, 20, 261-270.	2.1	32
21	Development of meningococcal polysaccharide conjugate vaccine that can elicit long-lasting and strong cellular immune response with hepatitis B core antigen virus-like particles as a novel carrier protein. Vaccine, 2019, 37, 956-964.	3.8	11
22	Ag ₂ O nanoparticles decorated hierarchical Bi ₂ MoO ₆ microspheres for efficient visible light photocatalysts. Journal of Alloys and Compounds, 2017, 699, 783-787.	5.5	22
23	Study on dynamic properties of the photoexcited charge carriers at anatase TiO ₂ nanowires/fluorine doped tin oxide interface. Journal of Colloid and Interface Science, 2017, 501, 273-281.	9.4	12
24	Photoelectrical properties of CdS/CdSe core/shell QDs modified anatase TiO ₂ nanowires and their application for solar cells. Physical Chemistry Chemical Physics, 2017, 19, 15724-15733.	2.8	24
25	Multilayered MoS ₂ coated TiO ₂ hollow spheres for efficient photodegradation of phenol under visible light irradiation. Materials Letters, 2016, 179, 42-46.	2.6	34
26	Ion Exchange Synthesis of Bi ₂ MoO ₆ /BiOI Heterojunctions for Photocatalytic Degradation and Photoelectrochemical Water Splitting. Nano, 2016, 11, 1650095.	1.0	10
27	Suppress the Charge Recombination in Quantum Dot Sensitized Solar Cells by Construct the Al ³⁺ -treated TiO ₂ /TiO ₂ NRAs Heterojunctions. ChemistrySelect, 2016, 1, 5936-5943.	1.5	1
28	Colored TiO ₂ hollow spheres for efficient water-splitting photocatalysts. RSC Advances, 2016, 6, 108969-108973.	3.6	8
29	Generation of Oxygen Vacancy and OH Radicals: A Comparative Study of Bi ₂ WO ₆ and Bi ₂ WO ₆ Nanoplates. ChemCatChem, 2015, 7, 4076-4084.	3.7	117
30	Isostructural Phase Transition in Bismuth Oxide Chloride Induced by Redistribution of Charge under High Pressure. Journal of Physical Chemistry C, 2015, 119, 27657-27665.	3.1	24
31	Nanosize Bi ₂ O ₃ decorated Bi ₂ MoO ₆ via an alkali etching process for enhanced photocatalytic performance. RSC Advances, 2015, 5, 12346-12353.	3.6	48
32	Electrospun ZnO/Bi ₂ O ₃ Nanofibers with Enhanced Photocatalytic Activity. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	21
33	Enhanced photosensitization process induced by the p-n junction of Bi ₂ O ₂ CO ₃ /BiOCl heterojunctions on the degradation of rhodamine B. Applied Surface Science, 2014, 303, 360-366.	6.1	142
34	Facile synthesis of Bi ₂ O ₃ /Bi ₂ O ₂ CO ₃ nanocomposite with high visible-light photocatalytic activity. Materials Letters, 2014, 120, 1-4.	2.6	47
35	Flowerlike C-doped BiOCl nanostructures: Facile wet chemical fabrication and enhanced UV photocatalytic properties. Applied Surface Science, 2013, 284, 497-502.	6.1	80
36	Flower-like ZnO-Ag ₂ O composites: precipitation synthesis and photocatalytic activity. Nanoscale Research Letters, 2013, 8, 536.	5.7	59

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37	A joint energy-saving mechanism for M2M communications in LTE-based system. , 2013, , .		8
38	Cation exchange synthesis of ZnS \hat{c} Ag ₂ S microspheric composites with enhanced photocatalytic activity. Applied Surface Science, 2013, 270, 133-138.	6.1	110
39	An efficient downlink packet scheduling algorithm for real time traffics in LTE systems. , 2013, , .		21
40	Power ramping schemes for M2M and H2H Co-existing scenario. China Communications, 2013, 10, 100-113.	3.2	9
41	Fabrication and Electrical Characteristics of Individual ZnO Submicron-Wire Field-Effect Transistor. Chinese Physics Letters, 2012, 29, 037102.	3.3	4
42	Photocatalytic properties of hierarchical ZnO flowers synthesized by a sucrose-assisted hydrothermal method. Applied Surface Science, 2012, 259, 557-561.	6.1	24
43	Ag ₂ O \hat{c} Bi ₂ O ₃ composites: synthesis, characterization and high efficient photocatalytic activities. CrystEngComm, 2012, 14, 5705.	2.6	44
44	Photoresponse and decay mechanism of an individual ZnO nanowire UV sensor. Sensors and Actuators A: Physical, 2012, 174, 43-46.	4.1	28
45	Surface plasmon enhanced ultraviolet emission and observation of random lasing from self-assembly Zn/ZnO composite nanowires. CrystEngComm, 2011, 13, 2336.	2.6	31
46	One-step hydrothermal synthesis and optical properties of aluminium doped ZnO hexagonal nanoplates on a zinc substrate. CrystEngComm, 2011, 13, 1283-1286.	2.6	44
47	Microstructures and Photoluminescence Properties of Three-Dimensional Multi-Layered ZnO Flowers by Surfactant-Free Hydrothermal Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 10940-10944.	0.9	0
48	Optoelectronic characterisation of an individual ZnO nanowire in contact with a micro-grid template. Chinese Physics B, 2011, 20, 037307.	1.4	9
49	Improving monochromaticity of upconversion luminescence by codoping Eu ³⁺ ions in Y ₂ O ₃ :Ho ³⁺ , Yb ³⁺ nanocrystals. Journal of Luminescence, 2010, 130, 338-341.	3.1	18
50	Effect of Eu ³⁺ + codoping on upconversion luminescence in Y ₂ O ₃ :Er ³⁺ +, Yb ³⁺ + nanocrystals. Solid State Communications, 2010, 150, 1048-1051.	1.9	16
51	Preparation and optical properties of ZnO nanostructures. , 2010, , .		0
52	Co-Doping Effects of Zn ²⁺ on Upconversion Luminescence of Gd ₂ O ₃ :Er Nanophosphors. ECS Transactions, 2010, 28, 121-127.	0.5	8
53	Challenge and polymorphism analysis of the novel A (H1N1) influenza virus to normal animals. Virus Research, 2010, 151, 60-65.	2.2	11
54	Precursor template synthesis of three-dimensional mesoporous ZnO hierarchical structures and their photocatalytic properties. CrystEngComm, 2010, 12, 2166.	2.6	67

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55	Ultraviolet upconversion luminescence in Er ³⁺ -doped Y ₂ O ₃ excited by 532nm CW compact solid-state laser. <i>Journal of Luminescence</i> , 2009, 129, 1137-1139.	3.1	16
56	Rare earth oxide-doped titania nanocomposites with enhanced photocatalytic activity towards the degradation of partially hydrolysis polyacrylamide. <i>Applied Surface Science</i> , 2009, 255, 3731-3738.	6.1	78
57	Synthesis and upconversion properties of monoclinic Gd ₂ O ₃ :Er ³⁺ nanocrystals. <i>Optical Materials</i> , 2008, 30, 1284-1288.	3.6	58
58	Effects of sucrose concentration on morphology and luminescence performance of Gd ₂ O ₃ :Eu nanocrystals. <i>Journal of Alloys and Compounds</i> , 2008, 460, 524-528.	5.5	19
59	New ID-Based Signatures without Trusted PKG. , 2008, , .		1
60	Synthesis and luminescence of europium doped yttria nanophosphors via a sucrose-templated combustion method. <i>Nanotechnology</i> , 2006, 17, 4327-4331.	2.6	37