Lingling Xu

List of Publications by Year
in descending order

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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	2D Transition Metal Dichalcogenides: Design, Modulation, and Challenges in Electrocatalysis. Advanced Materials, 2021, 33, e1907818.	21.0	284
2	Enhanced photosensitization process induced by the pâ€“n junction of Bi2O2CO3/BiOCl heterojunctions on the degradation of rhodamine B. Applied Surface Science, 2014, 303, 360-366.	6.1	142
3	Generation of Oxygen Vacancy and OH Radicals: A Comparative Study of Bi₂WO₆ and Bi₂WO_{6â^'x} Nanoplates. ChemCatChem, 2015, 7, 4076-4084.	3.7	117
4	Cation exchange synthesis of ZnSâ€“Ag2S microspheric composites with enhanced photocatalytic activity. Applied Surface Science, 2013, 270, 133-138.	6.1	110
5	Operando capturing of surface self-reconstruction of Ni3S2/FeNi2S4 hybrid nanosheet array for overall water splitting. Chemical Engineering Journal, 2022, 427, 131944.	12.7	110
6	Phaseâ€Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie - International Edition, 2021, 60, 259-267.	13.8	91
7	Flowerlike C-doped BiOCl nanostructures: Facile wet chemical fabrication and enhanced UV photocatalytic properties. Applied Surface Science, 2013, 284, 497-502.	6.1	80
8	Rare earth oxide-doped titania nanocomposites with enhanced photocatalytic activity towards the degradation of partially hydrolysis polyacrylamide. Applied Surface Science, 2009, 255, 3731-3738.	6.1	78
9	Two-Dimensional High-Entropy Metal Phosphorus Trichalcogenides for Enhanced Hydrogen Evolution Reaction. ACS Nano, 2022, 16, 3593-3603.	14.6	77
10	Precursor template synthesis of three-dimensional mesoporous ZnO hierarchical structures and their photocatalytic properties. CrystEngComm, 2010, 12, 2166.	2.6	67
11	In Situ Synthesis of Î±-Fe₂O₃/Fe₃O₄ Heterojunction Photoanode via Fast Flame Annealing for Enhanced Charge Separation and Water Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 4785-4795.	8.0	65
12	Flower-like ZnO-Ag2O composites: precipitation synthesis and photocatalytic activity. Nanoscale Research Letters, 2013, 8, 536.	5.7	59
13	Synthesis and upconversion properties of monoclinic Gd2O3:Er3+ nanocrystals. Optical Materials, 2008, 30, 1284-1288.	3.6	58
14	Nanosize Î±-Bi₂O₃ decorated Bi₂MoO₆via an alkali etching process for enhanced photocatalytic performance. RSC Advances, 2015, 5, 12346-12353.	3.6	48
15	Facile synthesis of Î²-Bi2O3/Bi2O2CO3 nanocomposite with high visible-light photocatalytic activity. Materials Letters, 2014, 120, 1-4.	2.6	47
16	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
17	Ag2Oâ€“Bi2O3 composites: synthesis, characterization and high efficient photocatalytic activities. CrystEngComm, 2012, 14, 5705.	2.6	44
18	Interfacial electronic modulation of CoP-CoO p-p type heterojunction for enhancing oxygen evolution reaction. Journal of Colloid and Interface Science, 2022, 607, 1343-1352.	9.4	39

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19	Synthesis and luminescence of europium doped yttria nanophosphors via a sucrose-templated combustion method. Nanotechnology, 2006, 17, 4327-4331.	2.6	37
20	Multilayered MoS2 coated TiO2 hollow spheres for efficient photodegradation of phenol under visible light irradiation. Materials Letters, 2016, 179, 42-46.	2.6	34
21	Eco-friendly Grafting of Chitosan as a Biopolymer onto Wool Fabrics Using Horseradish Peroxidase. Fibers and Polymers, 2019, 20, 261-270.	2.1	32
22	Surface plasmon enhanced ultraviolet emission and observation of random lasing from self-assembly Zn/ZnO composite nanowires. CrystEngComm, 2011, 13, 2336.	2.6	31
23	Phase-junction engineering boosts the performance of CoSe₂ for efficient sodium/potassium storage. Journal of Materials Chemistry A, 2021, 9, 25954-25963.	10.3	30
24	Photoresponse and decay mechanism of an individual ZnO nanowire UV sensor. Sensors and Actuators A: Physical, 2012, 174, 43-46.	4.1	28
25	Direct growth of Niâ€“Fe phosphides nanohybrids on NiFe foam for highly efficient water oxidation. Journal of Alloys and Compounds, 2020, 847, 156363.	5.5	25
26	Photocatalytic properties of hierarchical ZnO flowers synthesized by a sucrose-assisted hydrothermal method. Applied Surface Science, 2012, 259, 557-561.	6.1	24
27	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
28	Photoelectrical properties of CdS/CdSe core/shell QDs modified anatase TiO₂ nanowires and their application for solar cells. Physical Chemistry Chemical Physics, 2017, 19, 15724-15733.	2.8	24
29	Phaseâ€Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie, 2021, 133, 263-271.	2.0	24
30	Self-supported Hierarchical Fe(PO3)2@Cu3P nanotube arrays for efficient hydrogen evolution in alkaline media. Journal of Alloys and Compounds, 2020, 820, 153185.	5.5	23
31	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
32	An efficient downlink packet scheduling algorithm for real time traffics in LTE systems. , 2013, , .		21
33	Electrospun ZnO/Bi2O3Nanofibers with Enhanced Photocatalytic Activity. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	21
34	Moâ€Doped Cobalt Phosphide Nanosheets for Efficient Hydrogen Generation in an Alkaline Media. Energy Technology, 2019, 7, 1900021.	3.8	21
35	Effects of sucrose concentration on morphology and luminescence performance of Gd2O3:Eu nanocrystals. Journal of Alloys and Compounds, 2008, 460, 524-528.	5.5	19
36	Improving monochromaticity of upconversion luminescence by codoping Eu3+ ions in Y2O3:Ho3+, Yb3+ nanocrystals. Journal of Luminescence, 2010, 130, 338-341.	3.1	18

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37	Self-supported phosphorus-doped CoMoO4 rod bundles for efficient hydrogen evolution. Journal of Materials Science, 2020, 55, 6502-6512.	3.7	18
38	Ultraviolet upconversion luminescence in Er3+-doped Y2O3 excited by 532nm CW compact solid-state laser. Journal of Luminescence, 2009, 129, 1137-1139.	3.1	16
39	Effect of Eu3 + codoping on upconversion luminescence in Y2O3:Er3 +, Yb3 + nanocrystals. Solid State Communications, 2010, 150, 1048-1051.	1.9	16
40	Redox sculptured dual-scale porous nickel-iron foams for efficient water oxidation. Electrochimica Acta, 2019, 309, 415-423.	5.2	15
41	In-situ self-reconstruction of Niâ€“Feâ€“Al hybrid phosphides nanosheet arrays enables efficient oxygen evolution in alkaline. International Journal of Hydrogen Energy, 2021, 46, 25070-25080.	7.1	14
42	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
43	Challenge and polymorphism analysis of the novel A (H1N1) influenza virus to normal animals. Virus Research, 2010, 151, 60-65.	2.2	11
44	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
45	Heterostructural Ni3S2â€“Fe5Ni4S8 hybrids for efficient electrocatalytic oxygen evolution. Journal of Materials Science, 2020, 55, 15963-15974.	3.7	11
46	Ion Exchange Synthesis of Bi₂MoO₆/BiOI Heterojunctions for Photocatalytic Degradation and Photoelectrochemical Water Splitting. Nano, 2016, 11, 1650095.	1.0	10
47	Selfâ€supported Reevesite Niâ€Fe Layered Double Hydroxide Nanosheet Arrays for Efficient Water Oxidation. ChemistrySelect, 2020, 5, 3062-3068.	1.5	10
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	Power ramping schemes for M2M and H2H Co-existing scenario. China Communications, 2013, 10, 100-113.	3.2	9
50	Electrocatalysts: 2D Transition Metal Dichalcogenides: Design, Modulation, and Challenges in Electrocatalysis (Adv. Mater. 6/2021). Advanced Materials, 2021, 33, 2170045.	21.0	9
51	Co-Doping Effects of Zn2+ on Upconversion Luminescence of Gd2O3:Er Nanophosphors. ECS Transactions, 2010, 28, 121-127.	0.5	8
52	A joint energy-saving mechanism for M2M communications in LTE-based system. , 2013, , .		8
53	Colored TiO2 hollow spheres for efficient water-splitting photocatalysts. RSC Advances, 2016, 6, 108969-108973.	3.6	8
54	Fabrication and Electrical Characteristics of Individual ZnO Submicron-Wire Field-Effect Transistor. Chinese Physics Letters, 2012, 29, 037102.	3.3	4

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55	New ID-Based Signatures without Trusted PKG. , 2008, , .		1
56	Suppress the Charge Recombination in Quantum Dot Sensitized Solar Cells by Construct the Alâ€“treated TiO₂/TiO₂ NRAs Heterojunctions. ChemistrySelect, 2016, 1, 5936-5943.	1.5	1
57	Preparation and optical properties of ZnO nanostructures. , 2010, , .		0
58	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
59	Frontispiece: Phaseâ€Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
60	Frontispiz: Phaseâ€Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie, 2021, 133, .	2.0	0