

Yaguang Li

List of Publications by Year in descending order

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34
papers

1,386
citations

430874

18
h-index

377865

34
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34
all docs

34
docs citations

34
times ranked

2235
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective light absorber-assisted single nickel atom catalysts for ambient sunlight-driven CO ₂ methanation. <i>Nature Communications</i> , 2019, 10, 2359.	12.8	185
2	Preparation of ZnFe ₂ O ₄ nanostructures and highly efficient visible-light-driven hydrogen generation with the assistance of nanoheterostructures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8353-8360.	10.3	135
3	Triple Functions of Ni(OH) ₂ on the Surface of WN Nanowires Remarkably Promoting Electrocatalytic Activity in Full Water Splitting. <i>ACS Catalysis</i> , 2020, 10, 13323-13333.	11.2	120
4	Passivation of defect states in anatase TiO ₂ hollow spheres with Mg doping: Realizing efficient photocatalytic overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 127-133.	20.2	117
5	A facile fluorine-mediated hydrothermal route to controlled synthesis of rhombus-shaped Co ₃ O ₄ nanorod arrays and their application in gas sensing. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7511.	10.3	91
6	A general bimetal-ion adsorption strategy to prepare nickel single atom catalysts anchored on graphene for efficient oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2020, 43, 52-57.	12.9	85
7	A Full Compositional Range for a (Ga _{1-x} Zn _x)(N _{1-x} O _x) Nanostructure: High Efficiency for Overall Water Splitting and Optical Properties. <i>Small</i> , 2015, 11, 871-876.	10.0	77
8	Enhancing photocatalytic activity for visible-light-driven H ₂ generation with the surface reconstructed LaTiO ₂ N nanostructures. <i>Nano Energy</i> , 2015, 12, 775-784.	16.0	62
9	General heterostructure strategy of photothermal materials for scalable solar-heating hydrogen production without the consumption of artificial energy. <i>Nature Communications</i> , 2022, 13, 776.	12.8	56
10	The crystalline/amorphous contact in Cu ₂ O/Ta ₂ O ₅ heterostructures: increasing its sunlight-driven overall water splitting efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2732-2738.	10.3	41
11	Fabrication of Fe ₂ TiO ₅ /TiO ₂ nanoheterostructures with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 45343-45348.	3.6	38
12	A new type of hybrid nanostructure: complete photo-generated carrier separation and ultrahigh photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14245-14250.	10.3	36
13	Fe ₃ Si assisted Co ₃ O ₄ nanorods: A case study of photothermal catalytic CO oxidation under ambient solar irradiation. <i>Nano Energy</i> , 2019, 62, 653-659.	16.0	36
14	Synthesis of ZrO ₂ :Fe nanostructures with visible-light driven H ₂ evolution activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2701-2706.	10.3	33
15	A new type of p-type NiO/n-type ZnO nano-heterojunctions with enhanced photocatalytic activity. <i>RSC Advances</i> , 2014, 4, 34649.	3.6	30
16	Synthesis of Na-doped ZnO hollow spheres with improved photocatalytic activity for hydrogen production. <i>Dalton Transactions</i> , 2016, 45, 11145-11149.	3.3	24
17	Synthesis of mesoporous Fe ₃ Si aerogel as a photo-thermal material for highly efficient and stable corrosive-water evaporation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23263-23269.	10.3	23
18	Outdoor sunlight-driven scalable water-gas shift reaction through novel photothermal device-supported CuO _x /ZnO/Al ₂ O ₃ nanosheets with a hydrogen generation rate of 192 mmol g ⁻¹ h ⁻¹ . <i>Journal of Materials Chemistry A</i> , 2020, 8, 19467-19472.	10.3	23

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19	Epitaxial growth and thermoelectric properties of c-axis oriented Bi _{1-x} Pb _x CuSeO single crystalline thin films. CrystEngComm, 2015, 17, 8697-8702.	2.6	18
20	Interfacial effect on Mn-doped TiO ₂ nanoparticles: from paramagnetism to ferromagnetism. RSC Advances, 2016, 6, 57403-57408.	3.6	18
21	Synthesizing new types of ultrathin 2D metal oxide nanosheets via half-successive ion layer adsorption and reaction. 2D Materials, 2017, 4, 025031.	4.4	18
22	Ni loaded on N-doped carbon encapsulated tungsten oxide nanowires as an alkaline-stable electrocatalyst for water reduction. Sustainable Energy and Fuels, 2020, 4, 788-796.	4.9	15
23	Efficient combustion of chlorinated volatile organic compounds driven by natural sunlight. Science of the Total Environment, 2020, 749, 141595.	8.0	14
24	Coke and sintering resistant nickel atomically doped with ceria nanosheets for highly efficient solar driven hydrogen production from bioethanol. Green Chemistry, 2022, 24, 2044-2050.	9.0	14
25	Ambient sunlight-driven photothermal methanol dehydrogenation for syngas production with 32.9 % solar-to-hydrogen conversion efficiency. IScience, 2021, 24, 102056.	4.1	12
26	Iodine-ion-induced Size-tunable Co ₃ O ₄ Nanowires and the Size-dependent Catalytic Performance for CO Oxidation. ChemCatChem, 2013, 5, 3576-3581.	3.7	11
27	Realizing efficient natural sunlight-driven photothermal selective catalytic reduction of nitrogen oxides by AlN _x assisted W doped Fe ₂ O ₃ nanosheets. Solar Energy Materials and Solar Cells, 2020, 208, 110395.	6.2	10
28	Efficient hydrogen production <i>via</i> sunlight-driven thermal formic acid decomposition over a porous film of molybdenum carbide. Journal of Materials Chemistry A, 2021, 9, 22481-22488.	10.3	9
29	Microwave Reaction: A Facile Economic and Green Method to Synthesize Oxygen-decorated Graphene from Carbon Cloth for Oxygen Electrocatalysis. ChemCatChem, 2018, 10, 2305-2310.	3.7	7
30	Solar-heating thermocatalytic H ₂ production from formic acid by a MoS ₂ -graphene-nickel foam composite. Green Chemistry, 2021, 23, 7630-7634.	9.0	7
31	Sewage-free preparation of 2D metal oxides by a rapid freezing soft template method for extraordinarily activating solar-driven humidity VOC combustion. Catalysis Science and Technology, 2021, 11, 2456-2460.	4.1	6
32	Light-Irradiated Thermal Energy-Promoted Selective Phenol Hydrogenation on Cellulose-Supported Palladium Catalyst with Green Hydrogen. ACS Sustainable Chemistry and Engineering, 2022, 10, 9205-9215.	6.7	6
33	Mass production of superhydrophilic sponges for efficient and stable solar-driven highly corrosive water evaporation. Environmental Science: Water Research and Technology, 2019, 5, 2041-2047.	2.4	5
34	Weak sunlight-driven mass toluene combustion through scalable Cu doped CeO ₂ microspheres. Journal of Cleaner Production, 2021, 293, 125328.	9.3	4