

Yuguo Xia

List of Publications by Year in descending order

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36
papers

1,290
citations

361045

20
h-index

360668

35
g-index

37
all docs

37
docs citations

37
times ranked

1684
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface states regulation of sulfide-based photoanode for photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120717.	10.8	24
2	Single-atom cobalt-hydroxyl modification of polymeric carbon nitride for highly enhanced photocatalytic water oxidation: ball milling increased single atom loading. <i>Chemical Science</i> , 2022, 13, 754-762.	3.7	20
3	Ion-Induced Synthesis of Crystalline Carbon Nitride Ultrathin Nanosheets from Mesoporous Melon for Efficient Photocatalytic Hydrogen Evolution with Synchronous Highly Selective Oxidation of Benzyl Alcohol. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13419-13430.	4.0	20
4	Large-scale Synthesis of Spinel Ni _x Mn _{3-2x} O ₄ Solid Solution Immobilized with Iridium Single Atoms for Efficient Alkaline Seawater Electrolysis. <i>Advanced Science</i> , 2022, 9, e2200529.	5.6	41
5	Integrating a Self-Floating Janus TPC@CB Sponge for Efficient Solar-Driven Interfacial Water Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19409-19418.	4.0	37
6	Promoted photocarriers separation in atomically thin BiOCl/Bi ₂ WO ₆ heterostructure for solar-driven photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022, 449, 137874.	6.6	18
7	Etching-induced highly porous polymeric carbon nitride with enhanced photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2021, 57, 4138-4141.	2.2	5
8	Accelerating Fe ^{III} -Aqua Complex Reduction in an Efficient Solid-Liquid-Interfacial Fenton Reaction over the Mn-CNH Co-catalyst at Near-Neutral pH. <i>Environmental Science & Technology</i> , 2021, 55, 13326-13334.	4.6	12
9	Oxygen vacancy dependent photocatalytic CO ₂ reduction activity in liquid-exfoliated atomically thin BiOCl nanosheets. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120426.	10.8	77
10	Tailoring of electronic and surface structures boosts exciton-triggering photocatalysis for singlet oxygen generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	61
11	Anisotropic 3D Nanofibrous Porous Material Fabrication by a Liquid Film-Assisted Gas Templating Strategy for Thermal Insulation. <i>ACS Applied Nano Materials</i> , 2021, 4, 14136-14145.	2.4	1
12	Interfacial enhancement for hydrogen radical transfer on hollow Cu ₂ O/rGO nanohybrid with efficient catalytic reduction activity. <i>Applied Catalysis A: General</i> , 2020, 590, 117331.	2.2	13
13	Energy Band Engineering of Polymeric Carbon Nitride with Indium Doping for High Enhancement in Charge Separation and Photocatalytic Performance. <i>ACS Applied Energy Materials</i> , 2020, 3, 377-386.	2.5	26
14	Unexpected Photoinduced Room Temperature Magnetization in Bi ₂ WO ₆ Nanosheets. <i>Small</i> , 2020, 16, e2005704.	5.2	14
15	Rationally designed high-performance Zr(OH) ₄ @PAN nanofibrous membrane for self-detoxification of mustard gas simulant under an ambient condition. <i>Separation and Purification Technology</i> , 2020, 252, 117452.	3.9	14
16	Highly active deficient ternary sulfide photoanode for photoelectrochemical water splitting. <i>Nature Communications</i> , 2020, 11, 3078.	5.8	142
17	Transient Healability of Metallosupramolecular Polymer Networks Mediated by Kinetic Control of Competing Chemical Reactions. <i>Macromolecules</i> , 2020, 53, 2856-2863.	2.2	30
18	Interfacial Coupling Effect on Electron Transport in Hierarchical TaON/Au/ZnCo-LDH Photoanode with Enhanced Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33062-33073.	4.0	19

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19	Ferroelectric enhanced Z-scheme P-doped g-C ₃ N ₄ /PANI/BaTiO ₃ ternary heterojunction with boosted visible-light photocatalytic water splitting. <i>New Journal of Chemistry</i> , 2019, 43, 6753-6764.	1.4	36
20	Interface Engineering of Co(OH) ₂ /Ag/FeP Hierarchical Superstructure as Efficient and Robust Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7936-7945.	4.0	68
21	Sb-doped polymeric carbon nitride with charge-capture centers for efficient charge separation and photocatalytic performance in H ₂ evolution and environmental remediation. <i>Catalysis Science and Technology</i> , 2019, 9, 6627-6637.	2.1	7
22	Facile synthesis of tin-doped polymeric carbon nitride with a hole-trapping center for efficient charge separation and photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25824-25829.	5.2	16
23	Efficient decontamination of multi-component wastewater by hydrophilic electrospun PAN/AgBr/Ag fibrous membrane. <i>Chemical Engineering Journal</i> , 2019, 361, 1255-1263.	6.6	44
24	Ordered Mesoporous Ni ₃ MnO _x Nanocatalysts for the Low-Temperature Selective Reduction of NO _x with NH ₃ . <i>ACS Applied Nano Materials</i> , 2019, 2, 505-516.	2.4	14
25	Atomic Insights for Optimum and Excess Doping in Photocatalysis: A Case Study of Few-Layer CuZnIn ₂ S ₄ . <i>Advanced Functional Materials</i> , 2019, 29, 1807013.	7.8	165
26	Theoretical and Experimental Investigations on Effects of Native Point Defects and Nitrogen Doping on the Optical Band Structure of Spinel ZnGa ₂ O ₄ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 5509-5517.	1.5	25
27	Coupling-Effect-Induced Acceleration of Electron Transfer for Ni(OH) ₂ with Enhanced Oxygen Evolution Reaction Activity. <i>ACS Applied Nano Materials</i> , 2018, 1, 1476-1483.	2.4	25
28	Novel PVP/HTA Hybrids for Multifunctional Rewritable Paper. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1701-1706.	4.0	41
29	Enhanced charge carrier separation of manganese(II)-doped graphitic carbon nitride: formation of Na-Mn bonds through redox reactions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6238-6243.	5.2	40
30	Enhanced photocatalytic activities of single-crystalline ZnGa ₂ O ₄ nanoprisms by the coexposed {111} and {110} facets. <i>Nanoscale</i> , 2017, 9, 3206-3211.	2.8	27
31	Facile preparation of Prussian blue analogue Co ₃ [Co(CN) ₆] ₂ with fine-tuning color transition temperature as thermochromic material. <i>CrystEngComm</i> , 2017, 19, 2057-2064.	1.3	32
32	Preparation of annular TiO ₂ nanoparticles constructed by high-energy surfaces and enhanced visible-light photocatalytic activity. <i>New Journal of Chemistry</i> , 2017, 41, 7562-7570.	1.4	2
33	Facile synthesis of Cu ₂ O nanocages and gas sensing performance towards gasoline. <i>RSC Advances</i> , 2015, 5, 54433-54438.	1.7	16
34	Large-scale synthesis and formation mechanism study of basic aluminium sulfate microcubic crystals. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5866-5874.	1.3	4
35	Electrospun flexible self-standing γ -alumina fibrous membranes and their potential as high-efficiency fine particulate filtration media. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15124-15131.	5.2	133
36	Synthesis of γ -AlOOH nanocrystals with different morphologies due to the effect of sulfate ions and the corresponding formation mechanism study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18290.	1.3	21