Yuguo Xia

List of Publications by Year in descending order

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36 papers	1,290 citations	361296 20 h-index	360920 35 g-index
37 all docs	37 docs citations	37 times ranked	1684 citing authors

#	Article	IF	Citations
1	Atomic Insights for Optimum and Excess Doping in Photocatalysis: A Case Study of Fewâ€Layer Cuâ€ZnIn₂S₄. Advanced Functional Materials, 2019, 29, 1807013.	7.8	165
2	Highly active deficient ternary sulfide photoanode for photoelectrochemical water splitting. Nature Communications, 2020, 11, 3078.	5.8	142
3	Electrospun flexible self-standing Î³-alumina fibrous membranes and their potential as high-efficiency fine particulate filtration media. Journal of Materials Chemistry A, 2014, 2, 15124-15131.	5.2	133
4	Oxygen vacancy dependent photocatalytic CO2 reduction activity in liquid-exfoliated atomically thin BiOCl nanosheets. Applied Catalysis B: Environmental, 2021, 297, 120426.	10.8	77
5	Interface Engineering of Co(OH)₂/Ag/FeP Hierarchical Superstructure as Efficient and Robust Electrocatalyst for Overall Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 7936-7945.	4.0	68
6	Tailoring of electronic and surface structures boosts exciton-triggering photocatalysis for singlet oxygen generation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	61
7	Efficient decontamination of multi-component wastewater by hydrophilic electrospun PAN/AgBr/Ag fibrous membrane. Chemical Engineering Journal, 2019, 361, 1255-1263.	6.6	44
8	Novel PVP/HTA Hybrids for Multifunctional Rewritable Paper. ACS Applied Materials & Interfaces, 2018, 10, 1701-1706.	4.0	41
9	Largeâ€Scale Synthesis of Spinel Ni_xMn_{3â€x}O₄ Solid Solution Immobilized with Iridium Single Atoms for Efficient Alkaline Seawater Electrolysis. Advanced Science, 2022, 9, e2200529.	5.6	41
10	Enhanced charge carrier separation of manganese(<scp>ii</scp>)-doped graphitic carbon nitride: formation of Nâ€“Mn bonds through redox reactions. Journal of Materials Chemistry A, 2018, 6, 6238-6243.	5.2	40
11	Integrating a Self-Floating Janus TPC@CB Sponge for Efficient Solar-Driven Interfacial Water Evaporation. ACS Applied Materials & Interfaces, 2022, 14, 19409-19418.	4.0	37
12	Ferroelectric enhanced Z-scheme P-doped g-C₃N₄/PANI/BaTiO₃ ternary heterojunction with boosted visible-light photocatalytic water splitting. New Journal of Chemistry, 2019, 43, 6753-6764.	1.4	36
13	Facile preparation of Prussian blue analogue Co₃[Co(CN)₆]₂with fine-tuning color transition temperature as thermochromic material. CrystEngComm, 2017, 19, 2057-2064.	1.3	32
14	Transient Healability of Metallosupramolecular Polymer Networks Mediated by Kinetic Control of Competing Chemical Reactions. Macromolecules, 2020, 53, 2856-2863.	2.2	30
15	Enhanced photocatalytic activities of single-crystalline ZnGa₂O₄nanoprisms by the coexposed {111} and {110} facets. Nanoscale, 2017, 9, 3206-3211.	2.8	27
16	Energy Band Engineering of Polymeric Carbon Nitride with Indium Doping for High Enhancement in Charge Separation and Photocatalytic Performance. ACS Applied Energy Materials, 2020, 3, 377-386.	2.5	26
17	Theoretical and Experimental Investigations on Effects of Native Point Defects and Nitrogen Doping on the Optical Band Structure of Spinel ZnGa₂O₄. Journal of Physical Chemistry C, 2018, 122, 5509-5517.	1.5	25
18	Coupling-Effect-Induced Acceleration of Electron Transfer for Î±-Ni(OH)₂ with Enhanced Oxygen Evolution Reaction Activity. ACS Applied Nano Materials, 2018, 1, 1476-1483.	2.4	25

#	Article	IF	Citations
19	Surface states regulation of sulfide-based photoanode for photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2022, 300, 120717.	10.8	24
20	Synthesis of Î³-AlOOH nanocrystals with different morphologies due to the effect of sulfate ions and the corresponding formation mechanism study. Physical Chemistry Chemical Physics, 2013, 15, 18290.	1.3	21
21	Single-atom cobalt-hydroxyl modification of polymeric carbon nitride for highly enhanced photocatalytic water oxidation: ball milling increased single atom loading. Chemical Science, 2022, 13, 754-762.	3.7	20
22	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. ACS Applied Materials & Interfaces, 2022, 14, 13419-13430.	4.0	20
23	Interfacial Coupling Effect on Electron Transport in Hierarchical TaON/Au/ZnCo-LDH Photoanode with Enhanced Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 33062-33073.	4.0	19
24	Promoted photocarriers separation in atomically thin BiOCl/Bi2WO6 heterostructure for solar-driven photocatalytic CO2 reduction. Chemical Engineering Journal, 2022, 449, 137874.	6.6	18
25	Facile synthesis of Cu₂O nanocages and gas sensing performance towards gasoline. RSC Advances, 2015, 5, 54433-54438.	1.7	16
26	Facile synthesis of tin-doped polymeric carbon nitride with a hole-trapping center for efficient charge separation and photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 25824-25829.	5.2	16
27	Ordered Mesoporous Ni_yMnO_x Nanocatalysts for the Low-Temperature Selective Reduction of NO_x with NH₃. ACS Applied Nano Materials, 2019, 2, 505-516.	2.4	14
28	Unexpected Photoinduced Room Temperature Magnetization in Bi₂WO₆ Nanosheets. Small, 2020, 16, e2005704.	5.2	14
29	Rationally designed high-performance Zr(OH)4@PAN nanofibrous membrane for self-detoxification of mustard gas simulant under an ambient condition. Separation and Purification Technology, 2020, 252, 117452.	3.9	14
30	Interfacial enhancement for hydrogen radical transfer on hollow Cu2O/rGO nanohybrid with efficient catalytic reduction activity. Applied Catalysis A: General, 2020, 590, 117331.	2.2	13
31	Accelerating Fe^{III}-Aqua Complex Reduction in an Efficient Solidâ€“Liquid-Interfacial Fenton Reaction over the Mnâ€“CNH Co-catalyst at Near-Neutral pH. Environmental Science & Technology, 2021, 55, 13326-13334.	4.6	12
32	Sb-doped polymeric carbon nitride with charge-capture centers for efficient charge separation and photocatalytic performance in H2 evolution and environmental remediation. Catalysis Science and Technology, 2019, 9, 6627-6637.	2.1	7
33	Etching-induced highly porous polymeric carbon nitride with enhanced photocatalytic hydrogen evolution. Chemical Communications, 2021, 57, 4138-4141.	2.2	5
34	Large-scale synthesis and formation mechanism study of basic aluminium sulfate microcubic crystals. Physical Chemistry Chemical Physics, 2014, 16, 5866-5874.	1.3	4
35	Preparation of annular TiO2 nanoparticles constructed by high-energy surfaces and enhanced visible-light photocatalytic activity. New Journal of Chemistry, 2017, 41, 7562-7570.	1.4	2
36	Anisotropic 3D Nanofibrous Porous Material Fabrication by a Liquid Film-Assisted Gas Templating Strategy for Thermal Insulation. ACS Applied Nano Materials, 2021, 4, 14136-14145.	2.4	1