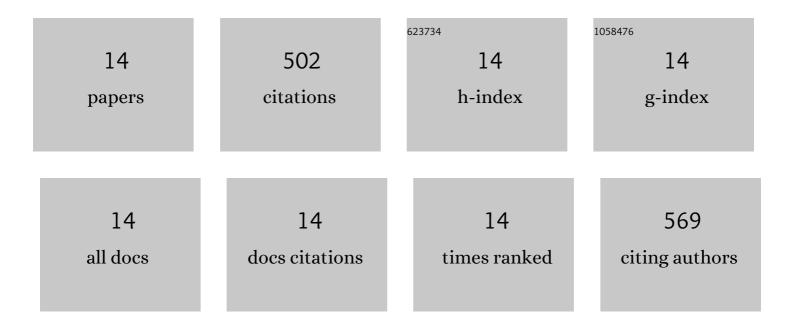
Huihu Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Investigation on hydrogen production using multicomponent aluminum alloys at mild conditions and its mechanism. International Journal of Hydrogen Energy, 2013, 38, 1236-1243.	7.1	90
2	Photochemical preparation of the ternary composite CdS/Au/g-C ₃ N ₄ with enhanced visible light photocatalytic performance and its microstructure. RSC Advances, 2016, 6, 77760-77767.	3.6	69
3	Construction of 2D all-solid-state Z-scheme g-C3N4/BiOI/RGO hybrid structure immobilized on Ni foam for CO2 reduction and pollutant degradation. Materials Research Bulletin, 2020, 122, 110682.	5.2	56
4	Enhanced photocatalytic activity of C@ZnO core-shell nanostructures and its photoluminescence property. Applied Surface Science, 2016, 389, 303-310.	6.1	36
5	Enhanced reduction and oxidation capability over the CeO ₂ /g-C ₃ N ₄ hybrid through surface carboxylation: performance and mechanism. Catalysis Science and Technology, 2020, 10, 4712-4725.	4.1	30
6	Immobilization of 2D/2D structured g-C 3 N 4 nanosheet/reduced graphene oxide hybrids on 3D nickel foam and its photocatalytic performance. Materials Research Bulletin, 2018, 97, 306-313.	5.2	29
7	Thermodynamics, kinetics and reaction mechanism of hydrogen production from a novel Al alloy/NaCl/g-C3N4 composite by low temperature hydrolysis. Energy, 2021, 218, 119489.	8.8	29
8	Preparation of an ultrathin 2D/2D rGO/g-C ₃ N ₄ nanocomposite with enhanced visible-light-driven photocatalytic performance. RSC Advances, 2017, 7, 36793-36799.	3.6	28
9	Rational Construction of Zâ€5cheme CuInS ₂ /Au/g ₃ N ₄ Heterostructure: Experimental Results and Theoretical Calculation. ChemCatChem, 2019, 11, 6372-6383.	3.7	28
10	Target preparation of multicomponent composites Au@CdS/g-C3N4 as efficient visible light photocatalysts with the assistance of biomolecules. Materials Research Bulletin, 2018, 108, 176-186.	5.2	26
11	Preparation and Hydrolysis of Aluminum Based Composites for Hydrogen Production in Pure Water. Materials Transactions, 2014, 55, 892-898.	1.2	23
12	Efficient synthesis of tunable band-gap CuInZnS decorated g-C3N4 hybrids for enhanced CO2 photocatalytic reduction and near-infrared-triggered photodegradation performance. Applied Surface Science, 2021, 564, 150396.	6.1	21
13	Construction of NH2-MIL-101(Fe)/g-C3N4 hybrids based on interfacial Lewis acid-base interaction and its enhanced photocatalytic redox capability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127710.	4.7	21
14	Enhanced hydrogen production properties of a novel aluminum-based composite for instant on-site hydrogen supply at low temperature. International Journal of Hydrogen Energy, 2022, 47, 9969-9985.	7.1	16