

Huihu Wang

List of Publications by Year in descending order

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14
papers

502
citations

623734

14
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on hydrogen production using multicomponent aluminum alloys at mild conditions and its mechanism. <i>International Journal of Hydrogen Energy</i> , 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. <i>RSC Advances</i> , 2016, 6, 77760-77767.	3.6	69
3	Construction of 2D all-solid-state Z-scheme g-C ₃ N ₄ /BiOI/RGO hybrid structure immobilized on Ni foam for CO ₂ reduction and pollutant degradation. <i>Materials Research Bulletin</i> , 2020, 122, 110682.	5.2	56
4	Enhanced photocatalytic activity of C@ZnO core-shell nanostructures and its photoluminescence property. <i>Applied Surface Science</i> , 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. <i>Catalysis Science and Technology</i> , 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. <i>Materials Research Bulletin</i> , 2018, 97, 306-313.	5.2	29
7	Thermodynamics, kinetics and reaction mechanism of hydrogen production from a novel Al alloy/NaCl/g-C ₃ N ₄ composite by low temperature hydrolysis. <i>Energy</i> , 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. <i>RSC Advances</i> , 2017, 7, 36793-36799.	3.6	28
9	Rational Construction of Z-scheme CuInS ₂ /Au/g-C ₃ N ₄ Heterostructure: Experimental Results and Theoretical Calculation. <i>ChemCatChem</i> , 2019, 11, 6372-6383.	3.7	28
10	Target preparation of multicomponent composites Au@CdS/g-C ₃ N ₄ as efficient visible light photocatalysts with the assistance of biomolecules. <i>Materials Research Bulletin</i> , 2018, 108, 176-186.	5.2	26
11	Preparation and Hydrolysis of Aluminum Based Composites for Hydrogen Production in Pure Water. <i>Materials Transactions</i> , 2014, 55, 892-898.	1.2	23
12	Efficient synthesis of tunable band-gap CuInZnS decorated g-C ₃ N ₄ hybrids for enhanced CO ₂ photocatalytic reduction and near-infrared-triggered photodegradation performance. <i>Applied Surface Science</i> , 2021, 564, 150396.	6.1	21
13	Construction of NH ₂ -MIL-101(Fe)/g-C ₃ N ₄ hybrids based on interfacial Lewis acid-base interaction and its enhanced photocatalytic redox capability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 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. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9969-9985.	7.1	16