

Yuan Peng

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

352
citations

840776

11
h-index

839539

18
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all docs

25
docs citations

25
times ranked

486
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalytic H ₂ evolution over micro-SiC by coupling with CdS under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6296-6300.	10.3	73
2	Bipolar Carrier Transfer Channels in Epitaxial Graphene/SiC Core-Shell Heterojunction for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2015, 27, 7986-7991.	21.0	42
3	A simple route to significant enhancement of photocatalytic water oxidation on BiVO ₄ by heterojunction with SiC. <i>Chemical Engineering Journal</i> , 2015, 281, 102-108.	12.7	34
4	Photocatalytic Performance and Degradation Pathway of Rhodamine B with TS-1/C ₃ N ₄ Composite under Visible Light. <i>Nanomaterials</i> , 2020, 10, 756.	4.1	31
5	Improved H ₂ evolution under visible light in heterostructured SiC/CdS photocatalyst: Effect of lattice match. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14409-14417.	7.1	19
6	Visible-Light-Driven Photocatalytic Activity of Magnetic BiOBr/SrFe ₁₂ O ₁₉ Nanosheets. <i>Nanomaterials</i> , 2019, 9, 735.	4.1	16
7	Promoted Alkaline Hydrogen Evolution Reaction Performance of Ru/C by Introducing TiO ₂ Nanoparticles. <i>ChemElectroChem</i> , 2020, 7, 1182-1186.	3.4	16
8	Visible light induced photocatalytic overall water splitting over micro-SiC driven by the Z-scheme system. <i>Catalysis Communications</i> , 2015, 61, 53-56.	3.3	15
9	Bi ₂ O ₃ /SrFe ₁₂ O ₁₉ magnetic photocatalyst: facile synthesis and its photocatalytic activity. <i>Materials Technology</i> , 2019, 34, 843-850.	3.0	13
10	Heterogeneous nucleation of CdS to enhance visible-light photocatalytic hydrogen evolution of SiC/CdS composite. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	12
11	A Si-O-Si bridge assembled from 3-mercaptopropyltrimethoxysilane and silicon carbide for effective charge transfer in photocatalysis. <i>Journal of Materials Science</i> , 2018, 53, 12432-12440.	3.7	12
12	Enhanced photocatalytic degradation of Rhodamine B over metal-free SiC/C ₃ N ₄ heterostructure under visible light irradiation. <i>Materials Research Express</i> , 2018, 5, 085511.	1.6	11
13	High-efficient photo-electron transport channel in SiC constructed by depositing cocatalysts selectively on specific surface sites for visible-light H ₂ production. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	10
14	Enhanced Hydrogen Evolution Activity of Ni/Ni ₃ S ₂ Nanosheet Grown on Ti Mesh by Cu Doped Ni. <i>Journal of the Electrochemical Society</i> , 2019, 166, F168-F173.	2.9	8
15	Phonon abundance-stiffness-lifetime transition from the mode of heavy water to its confinement and hydration. <i>Journal of Molecular Liquids</i> , 2019, 276, 688-693.	4.9	5
16	Enhanced photocatalytic activity of SiC modified by BiVO ₄ under visible light irradiation. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 408-414.	2.4	5
17	Three-dimensional flower-like Ni-Mn-S on Ti mesh: a monolithic electrochemical platform for detecting glucose. <i>New Journal of Chemistry</i> , 2019, 43, 7866-7873.	2.8	5
18	Design of a Bi ₂ O ₃ /SiC heterojunction to improve photocatalytic performance through a Z-scheme electronic transfer. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 629-638.	2.4	5

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19	Insights into Interface Charge Extraction in a Noble-Metal-Free Doped Z-Scheme NiO@BiOCl Heterojunction. <i>Catalysts</i> , 2020, 10, 958.	3.5	5
20	The common and intrinsic skin electric-double-layer (EDL) and its bonding characteristics of nanostructures. <i>Applied Surface Science</i> , 2021, 539, 148208.	6.1	4
21	A novel CoNi ₇ O ₈ /MnO ₂ nanocomposite supported on Ni foam as a peroxymonosulfate activator for the highly efficient singlet oxygen mediated removal of methylene blue. <i>New Journal of Chemistry</i> , 2022, 46, 7569-7579.	2.8	4
22	Synergistically enhanced alkaline hydrogen evolution reaction by coupling CoFe layered double hydroxide with NiMoO ₄ prepared by two-step electrodeposition. <i>New Journal of Chemistry</i> , 2021, 45, 20825-20831.	2.8	3
23	Three-dimensional Nanoporous Cu-Doped Ni Coating as Bifunctional Electrocatalyst for Hydrazine Sensing and Hydrogen Evolution Reaction. <i>Nanotechnology</i> , 2021, 32, 305502.	2.6	2
24	The anchored location of CdS on SiC via organosilane for effective heterogeneous interface design in photocatalysis. <i>Materials Express</i> , 2019, 9, 906-913.	0.5	1
25	Performance and mechanism of FeS ₂ /FeS _x O _y as highly effective Fenton-like catalyst for phenol degradation. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 3731-3740.	2.2	1