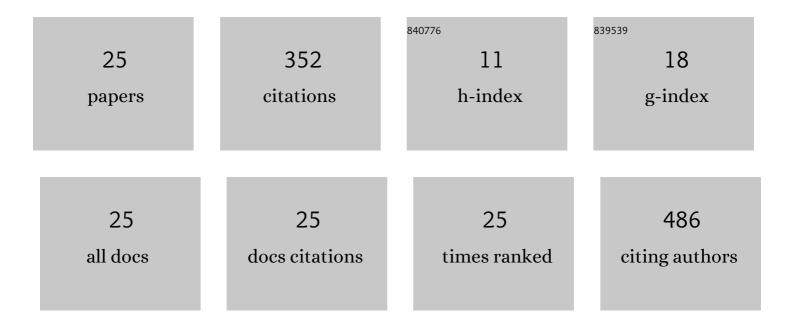
## Yuan Peng

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Enhanced photocatalytic H <sub>2</sub> evolution over micro-SiC by coupling with CdS under visible light irradiation. Journal of Materials Chemistry A, 2014, 2, 6296-6300.	10.3	73
2	Bipolar Carrier Transfer Channels in Epitaxial Graphene/SiC Core–Shell Heterojunction for Efficient Photocatalytic Hydrogen Evolution. Advanced Materials, 2015, 27, 7986-7991.	21.0	42
3	A simple route to significant enhancement of photocatalytic water oxidation on BiVO4 by heterojunction with SiC. Chemical Engineering Journal, 2015, 281, 102-108.	12.7	34
4	Photocatalytic Performance and Degradation Pathway of Rhodamine B with TS-1/C3N4 Composite under Visible Light. Nanomaterials, 2020, 10, 756.	4.1	31
5	Improved H 2 evolution under visible light in heterostructured SiC/CdS photocatalyst: Effect of lattice match. International Journal of Hydrogen Energy, 2017, 42, 14409-14417.	7.1	19
6	Visible-Light-Driven Photocatalytic Activity of Magnetic BiOBr/SrFe12O19 Nanosheets. Nanomaterials, 2019, 9, 735.	4.1	16
7	Promoted Alkaline Hydrogen Evolution Reaction Performance of Ru/C by Introducing TiO <sub>2</sub> Nanoparticles. ChemElectroChem, 2020, 7, 1182-1186.	3.4	16
8	Visible light induced photocatalytic overall water splitting over micro-SiC driven by the Z-scheme system. Catalysis Communications, 2015, 61, 53-56.	3.3	15
9	β-Bi <sub>2</sub> O <sub>3</sub> /SrFe <sub>12</sub> O <sub>19</sub> magnetic photocatalyst: facile synthesis and its photocatalytic activity. Materials Technology, 2019, 34, 843-850.	3.0	13
10	Heterogeneous nucleation of CdS to enhance visible-light photocatalytic hydrogen evolution of SiC/CdS composite. Applied Physics Letters, 2015, 107, .	3.3	12
11	A Si–O–Si bridge assembled from 3-mercaptopropyltrimethoxysilane and silicon carbide for effective charge transfer in photocatalysis. Journal of Materials Science, 2018, 53, 12432-12440.	3.7	12
12	Enhanced photocatalytic degradation of Rhodamine B over metal-free SiC/C <sub>3</sub> N <sub>4</sub> heterostructure under visible light irradiation. Materials Research Express, 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 H2 production. Applied Physics Letters, 2016, 108, .	3.3	10
14	Enhanced Hydrogen Evolution Activity of Ni/Ni <sub>3</sub> S <sub>2</sub> Nanosheet Grown on Ti Mesh by Cu Doped Ni. Journal of the Electrochemical Society, 2019, 166, F168-F173.	2.9	8
15	Phonon abundance-stiffness-lifetime transition from the mode of heavy water to its confinement and hydration. Journal of Molecular Liquids, 2019, 276, 688-693.	4.9	5
16	Enhanced photocatalytic activity of SiC modified by BiVO4 under visible light irradiation. Journal of Dispersion Science and Technology, 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. New Journal of Chemistry, 2019, 43, 7866-7873.	2.8	5
18	Design of a αâ€Fe <sub>2</sub> O <sub>3</sub> /SiC heterojunction to improve photocatalytic performance through a Z-scheme electronic transfer. Journal of Dispersion Science and Technology, 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. Catalysts, 2020, 10, 958.	3.5	5
20	The common and intrinsic skin electric-double-layer (EDL) and its bonding characteristics of nanostructures. Applied Surface Science, 2021, 539, 148208.	6.1	4
21	A novel CoNi <sub>7</sub> O <sub>8</sub> /MnO <sub>2</sub> nanocomposite supported on Ni foam as a peroxymonosulfate activator for the highly efficient singlet oxygen mediated removal of methylene blue. New Journal of Chemistry, 2022, 46, 7569-7579.	2.8	4
22	Synergistically enhanced alkaline hydrogen evolution reaction by coupling CoFe layered double hydroxide with NiMoO <sub>4</sub> prepared by two-step electrodeposition. New Journal of Chemistry, 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. Nanotechnology, 2021, 32, 305502.	2.6	2
24	The anchored location of CdS on SiC via organosilane for effective heterogeneous interface design in photocatalysis. Materials Express, 2019, 9, 906-913.	0.5	1
25	Performance and mechanism of FeS <sub>2</sub> /FeS <sub>x</sub> O <sub>y</sub> as highly effective Fenton-like catalyst for phenol degradation. Environmental Technology (United Kingdom), 2023, 44, 3731-3740.	2.2	1