

Ji-Chao Wang

List of Publications by Year in descending order

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34
papers

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citations

393982

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34
docs citations

34
times ranked

3470
citing authors

#	ARTICLE	IF	CITATIONS
1	Indirect Z-Scheme BiOI/g-C ₃ N ₄ Photocatalysts with Enhanced Photoreduction CO ₂ Activity under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2016, 8, 3765-3775.	4.0	546
2	Enhanced Photoreduction CO ₂ Activity over Direct Z-Scheme I ₃ -Fe ₂ O ₃ /Cu ₂ O Heterostructures under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2015, 7, 8631-8639.	4.0	334
3	Synergistic photocatalysis of Cr(VI) reduction and 4-Chlorophenol degradation over hydroxylated I ₃ -Fe ₂ O ₃ under visible light irradiation. Journal of Hazardous Materials, 2016, 311, 11-19.	6.5	234
4	Controllable synthesis of Cu ₂ O decorated WO ₃ nanosheets with dominant (0 0 1) facets for photocatalytic CO ₂ reduction under visible-light irradiation. Applied Catalysis B: Environmental, 2019, 243, 236-242.	10.8	147
5	Porous Mn doped g-C ₃ N ₄ photocatalysts for enhanced synergetic degradation under visible-light illumination. Journal of Hazardous Materials, 2017, 339, 43-53.	6.5	136
6	Molten salt synthesis of water-dispersible polymeric carbon nitride nanoseaweeds and their application as luminescent probes. Carbon, 2016, 102, 477-486.	5.4	99
7	Enhanced supercapacitive performance of graphite-like C ₃ N ₄ assembled with NiAl-layered double hydroxide. Electrochimica Acta, 2015, 186, 292-301.	2.6	97
8	Mn-Doped g-C ₃ N ₄ Nanoribbon for Efficient Visible-Light Photocatalytic Water Splitting Coupling with Methylene Blue Degradation. ACS Sustainable Chemistry and Engineering, 2018, 6, 8754-8761.	3.2	93
9	Highly enhanced acetone sensing performance of porous C-doped WO ₃ hollow spheres by carbon spheres as templates. Sensors and Actuators B: Chemical, 2017, 239, 597-607.	4.0	92
10	A hybrid of g-C ₃ N ₄ and porphyrin-based covalent organic frameworks <i>via</i> liquid-assisted grinding for enhanced visible-light-driven photoactivity. Dalton Transactions, 2019, 48, 14989-14995.	1.6	76
11	Natural sunlight driven highly efficient photocatalysis for simultaneous degradation of rhodamine B and methyl orange using I/C codoped TiO ₂ photocatalyst. Journal of Hazardous Materials, 2018, 360, 356-363.	6.5	67
12	In-situ growth of mesoporous Nb ₂ O ₅ microspheres on g-C ₃ N ₄ nanosheets for enhanced photocatalytic H ₂ evolution under visible light irradiation. International Journal of Hydrogen Energy, 2017, 42, 6683-6694.	3.8	52
13	A novel p-n heterojunction Mn 0.25 Cd 0.75 S/Co ₃ O ₄ for highly efficient photocatalytic H ₂ evolution under visible light irradiation. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 570-577.	2.7	45
14	A novel synthesis of oleophobic Fe ₂ O ₃ /polystyrene fibers by I ³ -Ray irradiation for the enhanced photocatalysis of 4-chlorophenol and 4-nitrophenol degradation. Journal of Hazardous Materials, 2019, 379, 120806.	6.5	35
15	Fabrication of porous polyacrylamide/polystyrene fibrous membranes for efficient oil-water separation. Separation and Purification Technology, 2019, 222, 278-283.	3.9	34
16	pH-controlled mechanism of photocatalytic RhB degradation over g-C ₃ N ₄ under sunlight irradiation. Photochemical and Photobiological Sciences, 2021, 20, 303-313.	1.6	33
17	A recyclable molten-salt synthesis of B and K co-doped g-C ₃ N ₄ for photocatalysis of overall water vapor splitting. Applied Surface Science, 2021, 537, 148014.	3.1	29
18	Enhanced photocatalytic 3D/2D architecture for CO ₂ reduction over cuprous oxide octahedrons supported on hexagonal phase tungsten oxide nanoflakes. Journal of Alloys and Compounds, 2020, 830, 154683.	2.8	27

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19	Enhancing the Efficiency and Stability of PbS Quantum Dot Solar Cells through Engineering an Ultrathin NiO Nanocrystalline Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46239-46246.	4.0	24
20	Processing and characterization of CoO and Sm ₂ O ₃ codoped ceria solid solution electrolyte. <i>Journal of Power Sources</i> , 2012, 205, 180-187.	4.0	20
21	Laboratory filter paper from superhydrophobic to quasi-superamphiphobicity: facile fabrication, simplified patterning and smart application. <i>Cellulose</i> , 2019, 26, 3859-3872.	2.4	20
22	Enhanced Photo-Assisted Acetone Gas Sensor and Efficient Photocatalytic Degradation Using Fe-Doped Hexagonal and Monoclinic WO ₃ Phase Junction. <i>Nanomaterials</i> , 2020, 10, 398.	1.9	18
23	Fast and Simple Fabrication of Superhydrophobic Coating by Polymer Induced Phase Separation. <i>Nanomaterials</i> , 2019, 9, 411.	1.9	16
24	Metal-free azo-bridged porphyrin porous organic polymers for visible-light-driven CO ₂ reduction to CO with high selectivity. <i>Dalton Transactions</i> , 2020, 49, 7592-7597.	1.6	16
25	S-scheme heterojunction of CuBi ₂ O ₄ supported Na doped P25 for enhanced photocatalytic H ₂ evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8214-8223.	3.8	15
26	Ultra-fast construction of CuBi ₂ O ₄ films supported Bi ₂ O ₃ with dominant (0 2 0) facets for efficient CO ₂ photoreduction in water vapor. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161919.	2.8	13
27	Controllable synthesized step-scheme heterojunction of CuBi ₂ O ₄ decorated WO ₃ plates for visible-light-driven CO ₂ reduction. <i>Nano Research</i> , 2022, 15, 5962-5969.	5.8	13
28	Impact of Active Chlorines and •OH Radicals on Degradation of Quinoline Using the Bipolar Electro-Fenton Process. <i>Water (Switzerland)</i> , 2021, 13, 128.	1.2	12
29	Synthesis of BiOI hierarchical nanospheres and their application in photocatalysis. <i>Materials Letters</i> , 2015, 152, 248-251.	1.3	11
30	A facile and controllable one-pot synthesis approach to amino-functionalized hollow silica nanoparticles with accessible ordered mesoporous shells. <i>Chinese Chemical Letters</i> , 2021, 32, 1177-1180.	4.8	9
31	Effect of Ca co-dopant on the electrical conductivity of Gd-doped ceria. <i>Journal of Electroceramics</i> , 2012, 28, 149-157.	0.8	8
32	Anticancer Drug Release System Based on Hollow Silica Nanocarriers Triggered by Tumor Cellular Microenvironments. <i>ACS Omega</i> , 2021, 6, 553-558.	1.6	5
33	Six 1D/2D Zinc(II) coordination complexes constructed based on semirigid Bis(dimethylbenzimidazole) ligand and different carboxylates: Syntheses, structures, and photoluminescence properties. <i>Journal of Molecular Structure</i> , 2019, 1180, 7-14.	1.8	4
34	Cu Nanoparticles Modified Step-Scheme Cu ₂ O/WO ₃ Heterojunction Nanoflakes for Visible-Light-Driven Conversion of CO ₂ to CH ₄ . <i>Nanomaterials</i> , 2022, 12, 2284.	1.9	3