Wei-De Zhang

List of Publications by Year in Descending Order

100 papers	5,064 citations	39 h-index	69 g-index
100 ext. papers	5,570 ext. citations	5.8 avg, IF	6.45 L-index

#	Paper	IF	Citations
100	Efficient photocatalytic H2 evolution and □methylation of ketones from copper complex modified polymeric carbon nitride. *Chemical Engineering Journal*, **2022**, 427, 132042	14.7	3
99	Anchoring nickel complex to g-CN enables an efficient photocatalytic hydrogen evolution reaction through ligand-to-metal charge transfer mechanism.. *Journal of Colloid and Interface Science*, **2022**, 616, 791-802	9.3	1
98	Building sp carbon-bridged g-C3N4-based electron donor-□cceptor unit for efficient photocatalytic water splitting. *Molecular Catalysis*, **2021**, 505, 111518	3.3	5
97	An efficient ternary photocatalyst via anchoring nickel complex and nickel oxides onto carbon nitride for visible light driven H2 evolution. *International Journal of Hydrogen Energy*, **2021**, 46, 7782-7793	6.7	3
96	Photocatalytic hydrogen evolution over a nickel complex anchoring to thiophene embedded g-CN. *Journal of Colloid and Interface Science*, **2021**, 596, 75-88	9.3	10
95	A strategy for integrating transition metal-complex cocatalyst onto g-C3N4 to enable efficient photocatalytic hydrogen evolution. *Molecular Catalysis*, **2021**, 515, 111856	3.3	1
94	Construction of a push□ull system in g-C3N4 for efficient photocatalytic hydrogen evolution under visible light. *Journal of Materials Chemistry A*, **2020**, 8, 13299-13310	13	18
93	Photocatalytic Hydrogen Evolution: Photocatalytic Hydrogen Evolution under Ambient Conditions on Polymeric Carbon Nitride/Donor-□Acceptor Organic Molecule Heterostructures (Adv. Funct. Mater. 43/2020). *Advanced Functional Materials*, **2020**, 30, 2070288	15.6	3
92	Photocatalytic Hydrogen Evolution under Ambient Conditions on Polymeric Carbon Nitride/Donor-□Acceptor Organic Molecule Heterostructures. *Advanced Functional Materials*, **2020**, 30, 2005106	15.6	18
91	Integration of nickel complex as a cocatalyst onto in-plane benzene ring-incorporated graphitic carbon nitride nanosheets for efficient photocatalytic hydrogen evolution. *Chemical Engineering Journal*, **2020**, 381, 122635	14.7	13
90	Nickel complex co-catalyst confined by chitosan onto graphitic carbon nitride for efficient H evolution. *Journal of Colloid and Interface Science*, **2020**, 560, 11-20	9.3	5
89	An efficient polymer coating for highly acid-stable zeolitic imidazolate frameworks based composite sponges. *Journal of Hazardous Materials*, **2020**, 382, 121057	12.8	14
88	Strong organic acid-assistant synthesis of holey graphitic carbon nitride for efficient visible light photocatalytic H2 generation. *International Journal of Hydrogen Energy*, **2019**, 44, 23091-23100	6.7	13
87	Ternary catalysts based on amino-functionalized carbon quantum dots, graphitic carbon nitride nanosheets and cobalt complex for efficient H2 evolution under visible light irradiation. *Carbon*, **2019**, 145, 488-500	10.4	41
86	Porous ultrathin WO3 nanoflake arrays as highly efficient photoanode for water splitting. *Materials Letters*, **2019**, 246, 161-164	3.3	11
85	Superior Photocatalytic Generation of H2 in Water Medium Through Grafting a Cobalt Molecule Co-Catalyst from Carbon Nitride Nanosheets. *ChemCatChem*, **2019**, 11, 2657-2666	5.2	11
84	Noble Metal-Free Photocatalysts Consisting of Graphitic Carbon Nitride, Nickel Complex, and Nickel Oxide Nanoparticles for Efficient Hydrogen Generation. *ACS Applied Materials & Interfaces*, **2019**, 11, 14986-14996	9.5	23

83	Boosting photocatalytic hydrogen evolution rate over carbon nitride through tuning its crystallinity and its nitrogen composition. *Journal of Colloid and Interface Science*, **2019**, 555, 268-275	9.3	6
82	Delocalization of π-Electron in Graphitic Carbon Nitride to Promote its Photocatalytic Activity for Hydrogen Evolution. *ChemCatChem*, **2019**, 11, 5633-5641	5.2	8
81	Solution-Processed Cu2S Photocathodes for Photoelectrochemical Water Splitting. *ACS Energy Letters*, **2018**, 3, 760-766	20.1	64
80	Composite structures for enhanced photoelectrochemical activity: WS2 quantum dots with oriented WO3 arrays. *Journal of Materials Science*, **2018**, 53, 10338-10350	4.3	6
79	Creating Graphitic Carbon Nitride Based Donor-π-Acceptor-π-Donor Structured Catalysts for Highly Photocatalytic Hydrogen Evolution. *Small*, **2018**, 14, e1703599	11	65
78	Carbon nanotubes-modified graphitic carbon nitride photocatalysts with synergistic effect of nickel(II) sulfide and molybdenum(II) disulfide co-catalysts for more efficient H evolution. *Journal of Colloid and Interface Science*, **2018**, 526, 374-383	9.3	21
77	Electrodeposition of CdS onto BiVO4 films with high photoelectrochemical performance. *Journal of Solid State Electrochemistry*, **2018**, 22, 2569-2577	2.6	13
76	Polycyclic aromatic compounds-modified graphitic carbon nitride for efficient visible-light-driven hydrogen evolution. *Carbon*, **2018**, 134, 134-144	10.4	83
75	Enhancement of photoelectrochemical activity of Fe2O3 nanowires decorated with carbon quantum dots. *International Journal of Hydrogen Energy*, **2018**, 43, 6954-6962	6.7	18
74	Earth abundant ZnO/CdS/CuSbS2 core-shell nanowire arrays as highly efficient photoanode for hydrogen evolution. *International Journal of Hydrogen Energy*, **2018**, 43, 6040-6048	6.7	19
73	The role of hydrogen bonding on enhancement of photocatalytic activity of the acidified graphitic carbon nitride for hydrogen evolution. *Journal of Materials Science*, **2018**, 53, 409-422	4.3	17
72	Facile synthesis of nitrogen deficient g-C3N4 by copolymerization of urea and formamide for efficient photocatalytic hydrogen evolution. *Molecular Catalysis*, **2018**, 453, 85-92	3.3	27
71	Triamterene-Grafted Graphitic Carbon Nitride with Electronic Potential Redistribution for Efficient Photocatalytic Hydrogen Evolution. *Chemistry - an Asian Journal*, **2018**, 13, 3073-3083	4.5	20
70	Tuning Nitrogen Content in Carbon Nitride by Isonicotinic Acid for Highly Efficient Photocatalytic Hydrogen Evolution. *ChemCatChem*, **2018**, 11, 1045	5.2	4
69	Enhancing visible light photocatalytic activity of nitrogen-deficient g-CN via thermal polymerization of acetic acid-treated melamine. *Journal of Colloid and Interface Science*, **2017**, 495, 27-36	9.3	86
68	Creating distortion in g-C3N4 framework by incorporation of ethylenediaminetetramethylene for enhancing photocatalytic generation of hydrogen. *Molecular Catalysis*, **2017**, 432, 64-75	3.3	16
67	Carbonyl-Grafted g-C N Porous Nanosheets for Efficient Photocatalytic Hydrogen Evolution. *Chemistry - an Asian Journal*, **2017**, 12, 515-523	4.5	26
66	MoS2 quantum dots interspersed WO3 nanoplatelet arrays with enhanced photoelectrochemical activity. *Electrochimica Acta*, **2017**, 252, 416-423	6.7	29

65	Facile synthesis of Ni-doped WO3 nanoplate arrays for effective photoelectrochemical water splitting. *Journal of Solid State Electrochemistry*, **2017**, 21, 3355-3364	2.6	22
64	A Non-enzymatic Hydrogen Peroxide Photoelectrochemical Sensor Based on a BiVO4 Electrode. *Electroanalysis*, **2017**, 29, 305-311	3	27
63	Cobalt-doped graphitic carbon nitride photocatalysts with high activity for hydrogen evolution. *Applied Surface Science*, **2017**, 392, 608-615	6.7	140
62	Photoelectrochemical properties of Ti-doped hematite nanosheet arrays decorated with CdS nanoparticles. *RSC Advances*, **2016**, 6, 74234-74240	3.7	14
61	Carbon Self-Doping Induced Activation of n□ Electronic Transitions of g-C3N4 Nanosheets for Efficient Photocatalytic H2 Evolution. *ChemCatChem*, **2016**, 8, 3527-3535	5.2	100
60	Modification of g-C3N4 nanosheets by carbon quantum dots for highly efficient photocatalytic generation of hydrogen. *Applied Surface Science*, **2016**, 375, 110-117	6.7	197
59	Porous Graphitic Carbon Nitride Derived from Melamine□Ammonium Oxalate Stacking Sheets with Excellent Photocatalytic Hydrogen Evolution Activity. *ChemCatChem*, **2016**, 8, 2128-2135	5.2	54
58	Facile Preparation of AgI/Bi2MoO6 Heterostructured Photocatalysts with Enhanced Photocatalytic Activity. *European Journal of Inorganic Chemistry*, **2016**, 2016, 826-831	2.3	15
57	Nano g-C3N4 modified Ti-Fe2O3 vertically arrays for efficient photoelectrochemical generation of hydrogen under visible light. *International Journal of Hydrogen Energy*, **2016**, 41, 7270-7279	6.7	41
56	Photocatalysts based on g-C3N4-encapsulating carbon spheres with high visible light activity for photocatalytic hydrogen evolution. *Carbon*, **2016**, 110, 356-366	10.4	67
55	Hierarchically branched ZnO/CuO thin film with enhanced visible light photoelectrochemical property. *Materials Letters*, **2015**, 154, 44-46	3.3	18
54	Hydrothermal synthesis and photocatalytic performance of hierarchical Bi2MoO6 microspheres using BiOI microspheres as self-sacrificing templates. *Journal of Solid State Chemistry*, **2015**, 227, 247-254	2.3	15
53	CdS/g-C3N4 Hybrids with Improved Photostability and Visible Light Photocatalytic Activity. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1744-1751	2.3	68
52	Growth of porous In2S3 films and their photoelectrochemical properties. *Journal of Solid State Electrochemistry*, **2015**, 19, 2321-2330	2.6	15
51	On the heterostructured photocatalysts Ag3VO4/g-C3N4 with enhanced visible light photocatalytic activity. *Applied Surface Science*, **2015**, 324, 324-331	6.7	135
50	Sodium citrate-assisted anion exchange strategy for construction of Bi2O2CO3/BiOI photocatalysts. *Materials Research Bulletin*, **2015**, 62, 88-95	5.1	39
49	Highly efficient removal of methyl orange in aqueous solutions by calcined-layered double hydroxides. *Research on Chemical Intermediates*, **2015**, 41, 6803-6814	2.8	9
48	Waterborne polyurethane/NiAl-LDH/ZnO composites with high antibacterial activity. *Polymers for Advanced Technologies*, **2015**, 26, 495-501	3.2	14

47	Photoelectrochemical property of the BiOBr-BiOI/ZnO heterostructures with tunable bandgap. *Journal of Solid State Electrochemistry*, **2014**, 18, 1743-1750	2.6	26
46	Attachment of ZnO nanoparticles onto layered double hydroxides microspheres for high performance photocatalysis. *Journal of Porous Materials*, **2014**, 21, 157-164	2.4	9
45	Construction of ZnO/ZnS/CdS/CuInS□ core-shell nanowire arrays via ion exchange: p-n junction photoanode with enhanced photoelectrochemical activity under visible light. *ACS Applied Materials & Interfaces*, **2014**, 6, 8467-74	9.5	106
44	Preparation and enhanced visible light photoelectrochemical activity of g-C3N4/ZnO nanotube arrays. *Journal of Solid State Electrochemistry*, **2014**, 18, 2921-2929	2.6	27
43	Controlled synthesis and gas sensing properties of In2O3 with different phases from urchin-like InOOH microspheres. *Materials Research Bulletin*, **2014**, 53, 177-184	5.1	15
42	Processing graphitic carbon nitride for improved photocatalytic activity. *Materials Science in Semiconductor Processing*, **2014**, 24, 15-20	4.3	23
41	Photoelectrochemical study on charge transfer properties of nanostructured Fe2O3 modified by g-C3N4. *International Journal of Hydrogen Energy*, **2014**, 39, 9105-9113	6.7	88
40	In2O3/g-C3N4 composite photocatalysts with enhanced visible light driven activity. *Applied Surface Science*, **2014**, 301, 428-435	6.7	106
39	A carbon nitride electrode for highly selective and sensitive determination of lead(II). *Mikrochimica Acta*, **2013**, 180, 1303-1308	5.8	17
38	Morphology-controlled synthesis of Ag3PO4 microcrystals for high performance photocatalysis. *CrystEngComm*, **2013**, 15, 5407	3.3	37
37	Synthesis and optical properties of nanosheet-based rh-In2O3 microflowers by triethylene glycol-mediated solvothermal process. *Journal of Physics and Chemistry of Solids*, **2013**, 74, 1271-1274	3.9	19
36	Anion exchange strategy for construction of sesame-biscuit-like Bi2O2CO3/Bi2MoO6 nanocomposites with enhanced photocatalytic activity. *Applied Catalysis B: Environmental*, **2013**, 140-141, 306-316	21.8	129
35	Ag/AgBr-Grafted Graphite-like Carbon Nitride with Enhanced Plasmonic Photocatalytic Activity under Visible Light. *ChemCatChem*, **2013**, 5, 2343-2351	5.2	107
34	MoS2/CdS Heterojunction with High Photoelectrochemical Activity for H2 Evolution under Visible Light: The Role of MoS2. *Journal of Physical Chemistry C*, **2013**, 117, 12949-12957	3.8	352
33	Preparation and antibacterial property of waterborne polyurethane/Zn-Al layered double hydroxides/ZnO nanocomposites. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 409-16	1.3	13
32	Preparation and photoelectrochemical properties of functional carbon nanotubes and Ti co-doped Fe2O3 thin films. *International Journal of Hydrogen Energy*, **2012**, 37, 9566-9575	6.7	48
31	Photoelectrochemical properties of Ni-doped Fe2O3 thin films prepared by electrodeposition. *Electrochimica Acta*, **2012**, 59, 121-127	6.7	136
30	Biomolecule-assisted synthesis and gas-sensing properties of porous nanosheet-based corundum In2O3 microflowers. *Journal of Solid State Chemistry*, **2012**, 186, 29-35	3.3	23

29	Construction of hierarchical nanostructured TiO2/Bi2MoO6 heterojunction for improved visible light photocatalysis. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 6294-300	1.3	12
28	Modification of TiO2 nanorods by Bi2MoO6 nanoparticles for high performance visible-light photocatalysis. *Journal of Alloys and Compounds*, **2011**, 509, 9770-9775	5.7	38
27	Sputtering deposition of Pt nanoparticles on vertically aligned multiwalled carbon nanotubes for sensing L-cysteine. *Mikrochimica Acta*, **2011**, 172, 439-446	5.8	15
26	Gold nanoparticle-coated multiwall carbon nanotube-modified electrode for electrochemical determination of methyl parathion. *Mikrochimica Acta*, **2011**, 175, 309-314	5.8	48
25	Hierarchical Bi7O9I3 micro/nano-architecture: facile synthesis, growth mechanism, and high visible light photocatalytic performance. *RSC Advances*, **2011**, 1, 1099	3.7	135
24	Facile synthesis of nanostructured BiOI microspheres with high visible light-induced photocatalytic activity. *Journal of Materials Chemistry*, **2010**, 20, 5866		321
23	Functional hybrid materials based on carbon nanotubes and metal oxides. *Journal of Materials Chemistry*, **2010**, 20, 6383		179
22	Electrochemical oxidation of salicylic acid at well-aligned multiwalled carbon nanotube electrode and its detection. *Journal of Solid State Electrochemistry*, **2010**, 14, 1713-1718	2.6	53
21	A highly sensitive nonenzymatic glucose sensor based on NiO-modified multi-walled carbon nanotubes. *Mikrochimica Acta*, **2010**, 168, 259-265	5.8	167
20	Electrochemical determination of methyl parathion at a Pd/MWCNTs-modified electrode. *Mikrochimica Acta*, **2010**, 171, 57-62	5.8	59
19	Solvent thermal synthesis and gas-sensing properties of Fe-doped ZnO. *Journal of Materials Science* , **2010**, 45, 209-215	4.3	40
18	Highly Sensitive and Selective Determination of Dopamine in the Presence of Ascorbic Acid Using Pt@Au/MWNTs Modified Electrode. *Electroanalysis*, **2010**, 22, 237-243	3	15
17	Grafting polyamide 6 onto multi-walled carbon nanotubes using microwave irradiation. *Polymer International*, **2010**, 59, 1346-1349	3.3	5
16	Fabrication of a vertically aligned carbon nanotube electrode and its modification by nanostructured MnO2 for supercapacitors. *Pure and Applied Chemistry*, **2009**, 81, 2317-2325	2.1	24
15	Electrodeposition of TiO2 Nanoparticles on Multiwalled Carbon Nanotube Arrays for Hydrogen Peroxide Sensing. *Electroanalysis*, **2009**, 21, 988-993	3	155
14	Electroanalysis of Dopamine at RuO2 Modified Vertically Aligned Carbon Nanotube Electrode. *Electroanalysis*, **2009**, 21, 1811-1815	3	41
13	Preparation and characterization of poly(vinylidene fluoride) nanocomposites containing multiwalled carbon nanotubes. *Journal of Applied Polymer Science*, **2009**, 113, 644-650	2.9	41
12	Modification of vertically aligned carbon nanotube arrays with palladium nanoparticles for electrocatalytic reduction of oxygen. *Mikrochimica Acta*, **2009**, 165, 361-366	5.8	21

11	Tunable ZnO nanostructures for ethanol sensing. *Journal of Materials Science*, **2009**, 44, 4677-4682	4.3	19
10	Preparation and mechanical properties of waterborne polyurethane/carbon nanotube composites. *Polymer Composites*, **2009**, 30, 649-654	3	21
9	Morphology, thermal, and rheological behavior of nylon 11/multi-walled carbon nanotube nanocomposites prepared by melt compounding. *Polymer Engineering and Science*, **2009**, 49, 1063-1068	2.3	59
8	Photoelectrochemical Study on Charge Transfer Properties of ZnO Nanowires Promoted by Carbon Nanotubes. *Journal of Physical Chemistry C*, **2009**, 113, 16247-16253	3.8	127
7	Preparation and Characterization of Polyurethane/Multiwalled Carbon Nanotube Composites. *Polymers and Polymer Composites*, **2008**, 16, 501-507	0.8	22
6	Electrocatalytic oxidation of methanol on a platinum modified carbon nanotube electrode. *Mikrochimica Acta*, **2008**, 162, 235-243	5.8	8
5	Electrocatalytic Oxidation of Glucose at Carbon Nanotubes Supported PtRu Nanoparticles and Its Detection. *Electroanalysis*, **2008**, 20, 2212-2216	3	71
4	Fabrication of SnO2–ZnO nanocomposite sensor for selective sensing of trimethylamine and the freshness of fishes. *Sensors and Actuators B: Chemical*, **2008**, 134, 403-408	8.5	179
3	Growth of ZnO nanowires on modified well-aligned carbon nanotube arrays. *Nanotechnology*, **2006**, 17, 1036-40	3.4	65
2	Crystallization and melting behavior of multi-walled carbon nanotube-reinforced nylon-6 composites. *Polymer International*, **2006**, 55, 71-79	3.3	108
1	Carbon nanotubes grow to pillars. *Nanotechnology*, **2005**, 16, 2442-5	3.4	24