

Baoxue Zhou

List of Publications by Year in descending order

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papers

9,524
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36203

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docs citations

133
times ranked

10081
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Visible-Light Responsive Graphene Oxide/TiO ₂ Composites with p/n Heterojunction. ACS Nano, 2010, 4, 6425-6432.	7.3	829
2	Efficient Photocatalytic Degradation of Phenol over Co ₃ O ₄ /BiVO ₄ Composite under Visible Light Irradiation. Journal of Physical Chemistry B, 2006, 110, 20211-20216.	1.2	819
3	Titanium Dioxide Nanomaterials for Sensor Applications. Chemical Reviews, 2014, 114, 10131-10176.	23.0	702
4	Selective Degradation of Organic Pollutants Using an Efficient Metal-Free Catalyst Derived from Carbonized Polypyrrole via Peroxymonosulfate Activation. Environmental Science & Technology, 2017, 51, 11288-11296.	4.6	514
5	Self-Organized TiO ₂ Nanotube Array Sensor for the Determination of Chemical Oxygen Demand. Advanced Materials, 2008, 20, 1044-1049.	11.1	309
6	Spin-State-Dependent Peroxymonosulfate Activation of Single-Atom Moieties via a Radical-Free Pathway. ACS Catalysis, 2021, 11, 9569-9577.	5.5	192
7	Highly selective photocatalytic production of H ₂ O ₂ on sulfur and nitrogen co-doped graphene quantum dots tuned TiO ₂ . Applied Catalysis B: Environmental, 2018, 239, 475-484.	10.8	178
8	Visible-Light Responsive Photocatalytic Fuel Cell Based on WO ₃ /W Photoanode and Cu ₂ O/Cu Photocathode for Simultaneous Wastewater Treatment and Electricity Generation. Environmental Science & Technology, 2012, 46, 11451-11458.	4.6	167
9	A highly active bimetallic oxides catalyst supported on Al-containing MCM-41 for Fenton oxidation of phenol solution. Applied Catalysis B: Environmental, 2011, 110, 118-125.	10.8	164
10	A TiO ₂ -nanotube-array-based photocatalytic fuel cell using refractory organic compounds as substrates for electricity generation. Chemical Communications, 2011, 47, 10314.	2.2	156
11	A highly efficient BiVO ₄ /WO ₃ /W heterojunction photoanode for visible-light responsive dual photoelectrode photocatalytic fuel cell. Applied Catalysis B: Environmental, 2016, 183, 224-230.	10.8	151
12	Photoelectrocatalytic degradation of tetracycline by highly effective TiO ₂ nanopore arrays electrode. Journal of Hazardous Materials, 2009, 171, 678-683.	6.5	143
13	Efficient electricity production and simultaneously wastewater treatment via a high-performance photocatalytic fuel cell. Water Research, 2011, 45, 3991-3998.	5.3	138
14	Synthesis of WO ₃ /BiVO ₄ photoanode using a reaction of bismuth nitrate with peroxovanadate on WO ₃ film for efficient photoelectrocatalytic water splitting and organic pollutant degradation. Applied Catalysis B: Environmental, 2017, 217, 21-29.	10.8	134
15	High-performance BiVO ₄ photoanodes cocatalyzed with an ultrathin γ -Fe ₂ O ₃ layer for photoelectrochemical application. Applied Catalysis B: Environmental, 2017, 204, 127-133.	10.8	133
16	Carbon quantum dots modified anatase/rutile TiO ₂ photoanode with dramatically enhanced photoelectrochemical performance. Applied Catalysis B: Environmental, 2020, 269, 118776.	10.8	132
17	Highly selective transformation of ammonia nitrogen to N ₂ based on a novel solar-driven photoelectrocatalytic-chlorine radical reactions system. Water Research, 2017, 125, 512-519.	5.3	127
18	A new glass substrate photoelectrocatalytic electrode for efficient visible-light hydrogen production: CdS sensitized TiO ₂ nanotube arrays. Applied Catalysis B: Environmental, 2010, 95, 408-413.	10.8	120

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19	Bird-nest structured ZnO/TiO ₂ as a direct Z-scheme photoanode with enhanced light harvesting and carriers kinetics for highly efficient and stable photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118599.	10.8	116
20	Highly stable CdS-modified short TiO ₂ nanotube array electrode for efficient visible-light hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 167-174.	3.8	115
21	Preparation of vertically aligned WO ₃ nanoplate array films based on peroxotungstate reduction reaction and their excellent photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 388-396.	10.8	114
22	Photoelectrocatalytic degradation of refractory organic compounds enhanced by a photocatalytic fuel cell. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 485-491.	10.8	110
23	RhB Adsorption Performance of Magnetic Adsorbent Fe ₃ O ₄ /RGO Composite and Its Regeneration through A Fenton-like Reaction. <i>Nano-Micro Letters</i> , 2014, 6, 125-135.	14.4	109
24	A solar light driven dual photoelectrode photocatalytic fuel cell (PFC) for simultaneous wastewater treatment and electricity generation. <i>Journal of Hazardous Materials</i> , 2016, 311, 51-62.	6.5	103
25	Monolithic cobalt-doped carbon aerogel for efficient catalytic activation of peroxymonosulfate in water. <i>Journal of Hazardous Materials</i> , 2017, 332, 195-204.	6.5	103
26	Efficient photochemical water splitting and organic pollutant degradation by highly ordered TiO ₂ nanopore arrays. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 142-148.	10.8	96
27	Preparation, characterization and visible-light activity of carbon modified TiO ₂ with two kinds of carbonaceous species. <i>Journal of Molecular Catalysis A</i> , 2009, 314, 35-41.	4.8	92
28	Converting hazardous organics into clean energy using a solar responsive dual photoelectrode photocatalytic fuel cell. <i>Journal of Hazardous Materials</i> , 2013, 262, 304-310.	6.5	92
29	Exhaustive Conversion of Inorganic Nitrogen to Nitrogen Gas Based on a Photoelectro-Chlorine Cycle Reaction and a Highly Selective Nitrogen Gas Generation Cathode. <i>Environmental Science & Technology</i> , 2018, 52, 1413-1420.	4.6	87
30	Highly-stable and efficient photocatalytic fuel cell based on an epitaxial TiO ₂ /WO ₃ /W nanothorn photoanode and enhanced radical reactions for simultaneous electricity production and wastewater treatment. <i>Applied Energy</i> , 2018, 220, 127-137.	5.1	87
31	Modulation of Lewis acidic-basic sites for efficient photocatalytic H ₂ O ₂ production over potassium intercalated tri-s-triazine materials. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119225.	10.8	85
32	Enhanced organic pollutants degradation and electricity production simultaneously via strengthening the radicals reaction in a novel Fenton-photocatalytic fuel cell system. <i>Water Research</i> , 2017, 108, 293-300.	5.3	84
33	Extremely Efficient Decomposition of Ammonia N to N ₂ Using ClO [•] from Reactions of HO [•] and HOCl Generated <i>in Situ</i> on a Novel Bifacial Photoelectroanode. <i>Environmental Science & Technology</i> , 2019, 53, 6945-6953.	4.6	84
34	Dramatically enhanced solar-driven water splitting of BiVO ₄ photoanode via strengthening hole transfer and light harvesting by co-modification of CQDs and ultrathin I ² -FeOOH layers. <i>Chemical Engineering Journal</i> , 2021, 403, 126350.	6.6	82
35	Photoelectrocatalytic COD determination method using highly ordered TiO ₂ nanotube array. <i>Water Research</i> , 2009, 43, 1986-1992.	5.3	81
36	A novel in situ preparation method for nanostructured I [±] -Fe ₂ O ₃ films from electrodeposited Fe films for efficient photoelectrocatalytic water splitting and the degradation of organic pollutants. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4345-4353.	5.2	79

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37	The formation mechanism of titania nanotube arrays in hydrofluoric acid electrolyte. <i>Journal of Materials Science</i> , 2008, 43, 1880-1884.	1.7	76
38	Highly-active, metal-free, carbon-based ORR cathode for efficient organics removal and electricity generation in a PFC system. <i>Chinese Chemical Letters</i> , 2021, 32, 2212-2216.	4.8	70
39	Preparation of short, robust and highly ordered TiO ₂ nanotube arrays and their applications as electrode. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 326-332.	10.8	69
40	Efficient photocatalytic H ₂ O ₂ production from oxygen and pure water over graphitic carbon nitride decorated by oxidative red phosphorus. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120522.	10.8	68
41	BiVO ₄ /TiO ₂ (N ₂) Nanotubes Heterojunction Photoanode for Highly Efficient Photoelectrocatalytic Applications. <i>Nano-Micro Letters</i> , 2017, 9, 14.	14.4	66
42	A low-cost photoelectrochemical tandem cell for highly-stable and efficient solar water splitting. <i>Nano Energy</i> , 2017, 41, 225-232.	8.2	62
43	Magnetically separable mesoporous silica nanocomposite and its application in Fenton catalysis. <i>Microporous and Mesoporous Materials</i> , 2011, 145, 217-223.	2.2	61
44	Synthesis of coated solvent impregnated resin for the adsorption of indium (III). <i>Hydrometallurgy</i> , 2010, 101, 148-155.	1.8	60
45	Combined nanostructured Bi ₂ S ₃ /TNA photoanode and Pt/SiPVC photocathode for efficient self-biasing photoelectrochemical hydrogen and electricity generation. <i>Nano Energy</i> , 2014, 9, 152-160.	8.2	59
46	Aerated visible-light responsive photocatalytic fuel cell for wastewater treatment with producing sustainable electricity in neutral solution. <i>Chemical Engineering Journal</i> , 2014, 252, 89-94.	6.6	58
47	BiVO ₄ Photoanode with Exposed (040) Facets for Enhanced Photoelectrochemical Performance. <i>Nano-Micro Letters</i> , 2018, 10, 11.	14.4	58
48	Total organic carbon and total nitrogen removal and simultaneous electricity generation for nitrogen-containing wastewater based on the catalytic reactions of hydroxyl and chlorine radicals. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 168-176.	10.8	58
49	A novel thin-layer photoelectrocatalytic (PEC) reactor with double-faced titania nanotube arrays electrode for effective degradation of tetracycline. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 154-160.	10.8	57
50	Enhanced Photoelectrochemical Properties of Cu ₂ O-loaded Short TiO ₂ Nanotube Array Electrode Prepared by Sonochemical Deposition. <i>Nano-Micro Letters</i> , 2010, 2, 277-284.	14.4	55
51	Dramatic enhancement of organics degradation and electricity generation via strengthening superoxide radical by using a novel 3D AQS/PPy-GF cathode. <i>Water Research</i> , 2017, 125, 259-269.	5.3	53
52	Electrochemically reduced TiO ₂ photoanode coupled with oxygen vacancy-rich carbon quantum dots for synergistically improving photoelectrochemical performance. <i>Chemical Engineering Journal</i> , 2021, 425, 131770.	6.6	53
53	Preparation of well-aligned WO ₃ nanoflake arrays vertically grown on tungsten substrate as photoanode for photoelectrochemical water splitting. <i>Electrochemistry Communications</i> , 2012, 20, 153-156.	2.3	52
54	Photoelectrocatalytic activity of an n-ZnO/p-Cu ₂ O/n-TNA ternary heterojunction electrode for tetracycline degradation. <i>Journal of Hazardous Materials</i> , 2013, 262, 482-488.	6.5	52

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55	Influence of the presence of heavy metals and surface-active compounds on the sorption of bisphenol A to sediment. <i>Chemosphere</i> , 2007, 68, 1298-1303.	4.2	51
56	Efficient visible light photocatalytic heterostructure of nonstoichiometric bismuth oxyiodide and iodine intercalated Bi ₂ O ₂ CO ₃ . <i>Applied Catalysis B: Environmental</i> , 2016, 184, 20-27.	10.8	49
57	Comparison of photoelectrochemical properties of TiO ₂ -nanotube-array photoanode prepared by anodization in different electrolyte. <i>Environmental Chemistry Letters</i> , 2009, 7, 363-368.	8.3	48
58	Removal of trivalent chromium in the complex state of trivalent chromium passivation wastewater. <i>Chemical Engineering Journal</i> , 2014, 236, 59-65.	6.6	46
59	A novel 3D ZnO/Cu ₂ O nanowire photocathode material with highly efficient photoelectrocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22996-23002.	5.2	46
60	Enhanced Oxidation of Organic Contaminants by Mn(VII)/CaSO ₃ Under Environmentally Relevant Conditions: Performance and Mechanisms. <i>Water Research</i> , 2021, 188, 116481.	5.3	45
61	Serial hole transfer layers for a BiVO ₄ photoanode with enhanced photoelectrochemical water splitting. <i>Nanoscale</i> , 2018, 10, 18378-18386.	2.8	44
62	Exhaustive denitrification via chlorine oxide radical reactions for urea based on a novel photoelectrochemical cell. <i>Water Research</i> , 2020, 170, 115357.	5.3	44
63	Self-Biasing Photoelectrochemical Cell for Spontaneous Overall Water Splitting under Visible Light Illumination. <i>ChemSusChem</i> , 2013, 6, 1276-1281.	3.6	41
64	Novel 3D Pd-Cu(OH) ₂ /CF cathode for rapid reduction of nitrate-N and simultaneous total nitrogen removal from wastewater. <i>Journal of Hazardous Materials</i> , 2021, 401, 123232.	6.5	40
65	Efficient ammonia removal and toxic chlorate control by using BiVO ₄ /WO ₃ heterojunction photoanode in a self-driven PEC-chlorine system. <i>Journal of Hazardous Materials</i> , 2021, 402, 123725.	6.5	40
66	The Inhibition Effect of Tert-Butyl Alcohol on the TiO ₂ Nano Assays Photoelectrocatalytic Degradation of Different Organics and Its Mechanism. <i>Nano-Micro Letters</i> , 2016, 8, 221-231.	14.4	39
67	Efficient degradation of refractory organics for carbonate-containing wastewater via generation carbonate radical based on a photoelectrocatalytic TNA-MCF system. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118071.	10.8	36
68	Efficient wastewater treatment and simultaneously electricity production using a photocatalytic fuel cell based on the radical chain reactions initiated by dual photoelectrodes. <i>Journal of Hazardous Materials</i> , 2017, 337, 47-54.	6.5	36
69	Oxygen vacancy-abundant carbon quantum dots as superfast hole transport channel for vastly improving surface charge transfer efficiency of BiVO ₄ photoanode. <i>Chemical Engineering Journal</i> , 2022, 431, 133414.	6.6	36
70	Self-Driven Photoelectrochemical Splitting of H ₂ S for S and H ₂ Recovery and Simultaneous Electricity Generation. <i>Environmental Science & Technology</i> , 2017, 51, 12965-12971.	4.6	35
71	Efficient degradation of N-containing organic wastewater via chlorine oxide radical generated by a photoelectrochemical system. <i>Chemical Engineering Journal</i> , 2020, 392, 123695.	6.6	35
72	Influence of the coexisting contaminants on bisphenol A sorption and desorption in soil. <i>Journal of Hazardous Materials</i> , 2008, 151, 389-393.	6.5	34

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73	In-situ and synchronous generation of oxygen vacancies and FeO _x OECs on BiVO ₄ for ultrafast electron transfer and excellent photoelectrochemical performance. <i>Chemical Engineering Journal</i> , 2020, 401, 126134.	6.6	34
74	Magnetically separable maghemite/montmorillonite composite as an efficient heterogeneous Fenton-like catalyst for phenol degradation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1926-1937.	2.7	33
75	The effect and mechanism of organic pollutants oxidation and chemical energy conversion for neutral wastewater via strengthening reactive oxygen species. <i>Science of the Total Environment</i> , 2019, 651, 1226-1235.	3.9	32
76	Highly efficient removal of total nitrogen and dissolved organic compound in waste reverse osmosis concentrate mediated by chlorine radical on 3D Co ₃ O ₄ nanowires anode. <i>Journal of Hazardous Materials</i> , 2022, 424, 127662.	6.5	30
77	Preparation of a BiVO ₄ nanoporous photoanode based on peroxovanadate reduction and conversion for efficient photoelectrochemical performance. <i>Nanoscale</i> , 2018, 10, 2848-2855.	2.8	28
78	Highly efficient total nitrogen and simultaneous total organic carbon removal for urine based on the photoelectrochemical cycle reaction of chlorine and hydroxyl radicals. <i>Electrochimica Acta</i> , 2019, 297, 1-9.	2.6	27
79	The design of high performance photoanode of CQDs/TiO ₂ /WO ₃ based on DFT alignment of lattice parameter and energy band, and charge distribution. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 828-837.	5.0	27
80	Dramatic enhancement of photocurrent for BiVO ₄ /TiO ₂ heterojunction photoanode with suitable band-match via in-situ band regulation using Ta. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 18202-18210.	3.8	26
81	Efficient SO ₂ Removal and Highly Synergistic H ₂ O ₂ Production Based on a Novel Dual-Function Photoelectrocatalytic System. <i>Environmental Science & Technology</i> , 2020, 54, 11515-11525.	4.6	25
82	Template-free sol-gel preparation and characterization of free-standing visible light responsive C,N-modified porous monolithic TiO ₂ . <i>Journal of Hazardous Materials</i> , 2010, 178, 560-565.	6.5	24
83	The hazardous hexavalent chromium formed on trivalent chromium conversion coating: The origin, influence factors and control measures. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 56-61.	6.5	24
84	High-efficient energy recovery from organics degradation for neutral wastewater treatment based on radicals catalytic reaction of Fe ²⁺ /Fe ³⁺ -EDTA complexes. <i>Chemosphere</i> , 2018, 201, 59-65.	4.2	24
85	High yield of H ₂ O ₂ and efficient S recovery from toxic H ₂ S splitting through a self-driven photoelectrocatalytic system with a microporous GDE cathode. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 491-497.	10.8	24
86	Electron blocking and hole extraction by a dual-function layer for hematite with enhanced photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 175-184.	10.8	23
87	Novel Denitrification Fuel Cell for Energy Recovery of Nitrate-N and TN Removal Based on NH ₄ ⁺ Generation on a CNW@CF Cathode. <i>Environmental Science & Technology</i> , 2022, 56, 2562-2571.	4.6	23
88	Enhanced photoelectrocatalytic performance of nanoporous WO ₃ photoanode by modification of cobalt-phosphate (Co-Pi) catalyst. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 157-161.	1.2	22
89	Enhanced O ₂ and HO via in situ generating H ₂ O ₂ at activated graphite felt cathode for efficient photocatalytic fuel cell. <i>Chemical Engineering Journal</i> , 2020, 399, 125839.	6.6	22
90	Preparation of hematite with an ultrathin iron titanate layer via an in situ reaction and its stable, long-lived, and excellent photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 690-699.	10.8	21

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91	Photocatalytic fuel cell based on sulfate radicals converted from sulfates in situ for wastewater treatment and chemical energy utilization. <i>Catalysis Today</i> , 2019, 335, 485-491.	2.2	21
92	Efficient purification and chemical energy recovery from urine by using a denitrifying fuel cell. <i>Water Research</i> , 2019, 152, 117-125.	5.3	21
93	WO ₃ /W Nanopores Sensor for Chemical Oxygen Demand (COD) Determination under Visible Light. <i>Sensors</i> , 2014, 14, 10680-10690.	2.1	19
94	Efficient denitrification and removal of natural organic matter, emerging pollutants simultaneously for RO concentrate based on photoelectrocatalytic radical reaction. <i>Separation and Purification Technology</i> , 2020, 234, 116032.	3.9	19
95	TiO ₂ nanotube arrays and TiO ₂ -nanotube-array based dye-sensitized solar cell. <i>Science Bulletin</i> , 2007, 52, 1585-1589.	1.7	18
96	Treatment of hazardous organic amine wastewater and simultaneous electricity generation using photocatalytic fuel cell based on TiO ₂ /WO ₃ photoanode and Cu nanowires cathode. <i>Chemosphere</i> , 2022, 289, 133119.	4.2	17
97	The Promotion Effect of Low-Molecular Hydroxyl Compounds on the Nano-Photoelectrocatalytic Degradation of Fulvic Acid and Mechanism. <i>Nano-Micro Letters</i> , 2016, 8, 320-327.	14.4	16
98	Efficient Degradation of Refractory Organics Using Sulfate Radicals Generated Directly from WO ₃ Photoelectrode and the Catalytic Reaction of Sulfate. <i>Catalysts</i> , 2017, 7, 346.	1.6	16
99	Rapid Conversion of Co ²⁺ to Co ³⁺ by Introducing Oxygen Vacancies in Co ₃ O ₄ Nanowire Anodes for Nitrogen Removal with Highly Efficient H ₂ Recovery in Urine Treatment. <i>Environmental Science & Technology</i> , 2022, 56, 9693-9701.	4.6	16
100	Scalable one-step synthesis of TiO ₂ /WO ₃ films on titanium plates with an efficient electron storage ability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10195-10198.	5.2	14
101	Efficient TN removal and simultaneous TOC conversion for highly toxic organic amines based on a photoelectrochemical-chlorine radicals process. <i>Catalysis Today</i> , 2019, 335, 452-459.	2.2	14
102	Efficient urine removal, simultaneous elimination of emerging contaminants, and control of toxic chlorate in a photoelectrocatalytic-chlorine system. <i>Environmental Pollution</i> , 2020, 267, 115605.	3.7	14
103	Efficient organic pollutants conversion and electricity generation for carbonate-containing wastewater based on carbonate radical reactions initiated by BiVO ₄ -Au/PVC system. <i>Journal of Hazardous Materials</i> , 2020, 389, 122140.	6.5	14
104	Effect of Oxygen-iron Composition on Charge Transport and Interface Reaction in Hematite. <i>ACS Catalysis</i> , 2020, 10, 2413-2418.	5.5	14
105	High Yield of CO and Synchronous S Recovery from the Conversion of CO ₂ and H ₂ S in Natural Gas Based on a Novel Electrochemical Reactor. <i>Environmental Science & Technology</i> , 2021, 55, 14854-14862.	4.6	14
106	Assessment of a COD analytical method based on the photoelectrocatalysis of a TiO ₂ nanotube array sensor. <i>Analytical Methods</i> , 2012, 4, 1790.	1.3	13
107	TiO ₂ Nanotube Sensor for Online Chemical Oxygen Demand Determination in Conjunction with Flow Injection Technique. <i>Water Environment Research</i> , 2014, 86, 532-539.	1.3	12
108	The synergic generation of CO ₃ ^{•-} and O ₂ ^{•-} radicals in a novel photocatalytic fuel cell for efficient oxidation of carbonate-containing wastewater and simultaneous electricity production. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119227.	10.8	11

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109	Efficient WO ₃ nanoplates photoanode based on bidentate hydrogen bonds and thermal reduction of ethylene glycol. <i>Chemical Engineering Journal</i> , 2021, 404, 127089.	6.6	11
110	Kinetics and Mechanisms for Photoelectrochemical Degradation of Glucose on Highly Effective Self-Organized TiO ₂ Nanotube Arrays. <i>Chinese Journal of Catalysis</i> , 2010, 31, 163-170.	6.9	10
111	Highly-ordered dye-sensitized TiO ₂ nanotube arrays film used for improving photoelectrochemical electrodes. <i>Science China Chemistry</i> , 2013, 56, 101-105.	4.2	8
112	Simulation and engineering demonstration of the advanced treatment of rainy overflow wastewater using a combined system of storage tank-wastewater treatment plant-wetland. <i>Water Environment Research</i> , 2020, 92, 1057-1069.	1.3	8
113	Thermal decomposition of N,N'-ethylenebis(salicylideneiminato) diaquochromium(III) chloride. <i>Thermochimica Acta</i> , 2000, 354, 25-30.	1.2	7
114	Charge recombination in dye-sensitized nanoporous TiO ₂ solar cell. <i>Science Bulletin</i> , 2005, 50, 2408-2412.	1.7	7
115	Tungsten sulfide co-catalytic radical chain-reaction for efficient organics degradation and electricity generation. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118471.	10.8	7
116	Thermodynamic Functions for Transfer of Anthracene from Water to (Water + Alcohol) Mixtures at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 742-745.	1.0	6
117	Characterization and Mechanism of the Photoelectrocatalytic Oxidation of Organic Pollutants in a Thin-Layer Reactor. <i>Chinese Journal of Catalysis</i> , 2011, 32, 1357-1363.	6.9	6
118	Photoelectrocatalytic Performance of Benzoic Acid on TiO ₂ Nanotube Array Electrodes. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-7.	1.4	6
119	Photoelectrocatalytic generation of H ₂ and S from toxic H ₂ S by using a novel BiOI/WO ₃ nanoflake array photoanode. <i>Frontiers in Energy</i> , 2021, 15, 744.	1.2	6
120	Multistep Surface Trap State Finishing Based on in Situ One-Step MOF Modification over Hematite for Dramatically Enhanced Solar Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33638-33646.	4.0	5
121	Adsorption and photoelectrocatalytic characteristics of organics on TiO ₂ nanotube arrays. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3907-3914.	1.2	4
122	Enhanced Photoelectrochemical Properties of Cu ₂ O-loaded Short TiO ₂ Nanotube Array Electrode Prepared by Sonochemical Deposition. , 2010, 2, 277.		4
123	Thermodynamics of transfer of naphthalene and 2-naphthoic acid from water to (water+ethanol) mixtures at T=298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2003, 35, 1413-1424.	1.0	3
124	Efficient Hydrogen Generation and Total Nitrogen Removal for Urine Treatment in a Neutral Solution Based on a Self-Driving Nano Photoelectrocatalytic System. <i>Nanomaterials</i> , 2021, 11, 2777.	1.9	3
125	Effect of Structural Parameters of TiO ₂ Nanotube Arrays upon Their Photocatalytic/Photoelectrocatalytic Performance. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2236-2242.	2.6	2
126	Simple method to quantify extraneous water and organic matter degradation in sewer networks. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 172-183.	1.2	2

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127	RhB Adsorption Performance of Magnetic Adsorbent Fe ₃ O ₄ /RGO Composite and Its Regeneration through A Fenton-like Reaction. Nano-Micro Letters, 2014, 6, 125.	14.4	2
128	Thermal decomposition of Mn(II) complex of nicotinamide. Journal of Thermal Analysis, 1995, 45, 221-226.	0.7	1
129	Photoelectrochemical degradation of methyl orange by TiO ₂ nanopore arrays electrode and its comparison with TiO ₂ nanotube arrays electrode. Water Science and Technology, 2010, 62, 2783-2789.	1.2	1
130	Synthesis and Photocatalytic Application of Hierarchical Macroporous TiO ₂ with Mesocellular Foam Structure Using Eggshell Membrane as Template. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
131	Solubility of 2,2,6,6-Tetrabromo-4-isopropylidene Phenol in Aqueous Pollutant Solutions. Journal of Chemical & Engineering Data, 2013, 58, 3150-3154.	1.0	1
132	The Promotion Effect and Mechanism of Methanoic Acid on the Photoelectrocatalytic Degradation of Fulvic Acid. Journal of Chemistry, 2016, 2016, 1-7.	0.9	0