

# Xie Quan

## List of Publications by Year in descending order

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578  
papers

39,648  
citations

1893

102  
h-index

6300

158  
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582  
all docs

582  
docs citations

582  
times ranked

33246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide modified g-C <sub>3</sub> N <sub>4</sub> hybrid with enhanced photocatalytic capability under visible light irradiation. <i>Journal of Materials Chemistry</i> , 2012, 22, 2721-2726.	6.7	687
2	Facile Ammonia Synthesis from Electrocatalytic N <sub>2</sub> Reduction under Ambient Conditions on N-Doped Porous Carbon. <i>ACS Catalysis</i> , 2018, 8, 1186-1191.	11.2	520
3	Enhanced anaerobic digestion of waste activated sludge digestion by the addition of zero valent iron. <i>Water Research</i> , 2014, 52, 242-250.	11.3	494
4	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2937-2947.	10.0	493
5	Efficient Electrochemical Reduction of Carbon Dioxide to Acetate on Nitrogen-Doped Nanodiamond. <i>Journal of the American Chemical Society</i> , 2015, 137, 11631-11636.	13.7	458
6	High-Yield Electrosynthesis of Hydrogen Peroxide from Oxygen Reduction by Hierarchically Porous Carbon. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6837-6841.	13.8	419
7	Preparation of Titania Nanotubes and Their Environmental Applications as Electrode. <i>Environmental Science &amp; Technology</i> , 2005, 39, 3770-3775.	10.0	414
8	Fabrication of atomic single layer graphitic-C <sub>3</sub> N <sub>4</sub> and its high performance of photocatalytic disinfection under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2014, 152-153, 46-50.	20.2	394
9	Graphene Sheets Grafted Ag@AgCl Hybrid with Enhanced Plasmonic Photocatalytic Activity under Visible Light. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5731-5736.	10.0	393
10	Enhanced activation of peroxymonosulfate by nitrogen doped porous carbon for effective removal of organic pollutants. <i>Carbon</i> , 2017, 115, 730-739.	10.3	372
11	The role of lattice oxygen on the activity and selectivity of the OMS-2 catalyst for the total oxidation of toluene. <i>Chemical Engineering Journal</i> , 2015, 270, 58-65.	12.7	353
12	Uncovering the Key Role of the Fermi Level of the Electron Mediator in a Z-Scheme Photocatalyst by Detecting the Charge Transfer Process of WO <sub>3</sub> -metal-gC <sub>3</sub> N <sub>4</sub> (Metal = Cu, Ag, Au). <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2111-2119.	8.0	334
13	Electrochemical Method for Synthesis of a ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> Composite Nanotube Array Modified Electrode with Enhanced Photoelectrochemical Activity. <i>Advanced Functional Materials</i> , 2010, 20, 2165-2174.	14.9	317
14	Electron transfer mechanisms, new applications, and performance of biocathode microbial fuel cells. <i>Bioresource Technology</i> , 2011, 102, 316-323.	9.6	304
15	Controllable synthesis of ZnO nanoflowers and their morphology-dependent photocatalytic activities. <i>Separation and Purification Technology</i> , 2008, 62, 727-732.	7.9	291
16	Vertically Aligned Janus MXene-Based Aerogels for Solar Desalination with High Efficiency and Salt Resistance. <i>ACS Nano</i> , 2019, 13, 13196-13207.	14.6	280
17	Fabrication of Boron-Doped TiO <sub>2</sub> Nanotube Array Electrode and Investigation of Its Photoelectrochemical Capability. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11836-11842.	3.1	271
18	Interface Engineering Catalytic Graphene for Smart Colorimetric Biosensing. <i>ACS Nano</i> , 2012, 6, 3142-3151.	14.6	270

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19	Enhanced Photocatalytic H <sub>2</sub> O <sub>2</sub> Production over Carbon Nitride by Doping and Defect Engineering. ACS Catalysis, 2020, 10, 14380-14389.	11.2	265
20	Selective electroreduction of CO <sub>2</sub> to acetone by single copper atoms anchored on N-doped porous carbon. Nature Communications, 2020, 11, 2455.	12.8	265
21	Enhanced Fenton-like catalysis by iron-based metal organic frameworks for degradation of organic pollutants. Journal of Catalysis, 2017, 356, 125-132.	6.2	256
22	Towards engineering application: Potential mechanism for enhancing anaerobic digestion of complex organic waste with different types of conductive materials. Water Research, 2017, 115, 266-277.	11.3	254
23	Enhanced H <sub>2</sub> O <sub>2</sub> production by selective electrochemical reduction of O <sub>2</sub> on fluorine-doped hierarchically porous carbon. Journal of Catalysis, 2018, 357, 118-126.	6.2	252
24	Enhanced oxidation of 4-chlorophenol using sulfate radicals generated from zero-valent iron and peroxydisulfate at ambient temperature. Separation and Purification Technology, 2010, 71, 302-307.	7.9	251
25	Adding granular activated carbon into anaerobic sludge digestion to promote methane production and sludge decomposition. Journal of Cleaner Production, 2017, 149, 1101-1108.	9.3	247
26	Communities stimulated with ethanol to perform direct interspecies electron transfer for syntrophic metabolism of propionate and butyrate. Water Research, 2016, 102, 475-484.	11.3	241
27	CO <sub>2</sub> Electroreduction at Low Overpotential on Oxide-Derived Cu/Carbons Fabricated from Metal Organic Framework. ACS Applied Materials & Interfaces, 2017, 9, 5302-5311.	8.0	239
28	Photoelectrocatalytic Activity of a Cu <sub>2</sub> O-Loaded Self-Organized Highly Oriented TiO <sub>2</sub> Nanotube Array Electrode for 4-Chlorophenol Degradation. Environmental Science & Technology, 2009, 43, 858-863.	10.0	236
29	Integrating Plasmonic Nanoparticles with TiO <sub>2</sub> Photonic Crystal for Enhancement of Visible-Light-Driven Photocatalysis. Environmental Science & Technology, 2012, 46, 1724-1730.	10.0	227
30	Selective Electrochemical Reduction of Carbon Dioxide to Ethanol on a Boron- and Nitrogen-Codoped Nanodiamond. Angewandte Chemie - International Edition, 2017, 56, 15607-15611.	13.8	226
31	TiO <sub>2</sub> -Multiwalled Carbon Nanotube Heterojunction Arrays and Their Charge Separation Capability. Journal of Physical Chemistry C, 2007, 111, 12987-12991.	3.1	222
32	High surface area mesoporous nanocast LaMO <sub>3</sub> (M = Mn, Fe) perovskites for efficient catalytic ozonation and an insight into probable catalytic mechanism. Applied Catalysis B: Environmental, 2017, 206, 692-703.	20.2	218
33	Two-dimensional MoS <sub>2</sub> : A promising building block for biosensors. Biosensors and Bioelectronics, 2017, 89, 56-71.	10.1	215
34	g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> hybrid photocatalyst with wide absorption wavelength range and effective photogenerated charge separation. Separation and Purification Technology, 2012, 99, 50-54.	7.9	211
35	Photocatalytic Oxidation of Aqueous Ammonia Using Atomic Single Layer Graphitic-C <sub>3</sub> N <sub>4</sub> . Environmental Science & Technology, 2014, 48, 11984-11990.	10.0	204
36	High Photocatalytic Capability of Self-Assembled Nanoporous WO <sub>3</sub> with Preferential Orientation of (002) Planes. Environmental Science & Technology, 2007, 41, 4422-4427.	10.0	202

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37	Potentially shifting from interspecies hydrogen transfer to direct interspecies electron transfer for syntrophic metabolism to resist acidic impact with conductive carbon cloth. <i>Chemical Engineering Journal</i> , 2017, 313, 10-18.	12.7	201
38	Selective Electrochemical Reduction of Carbon Dioxide to Ethanol on a Boron- and Nitrogen- Co-doped Nanodiamond. <i>Angewandte Chemie</i> , 2017, 129, 15813-15817.	2.0	196
39	Enhanced production of methane from waste activated sludge by the combination of high-solid anaerobic digestion and microbial electrolysis cell with iron-graphite electrode. <i>Chemical Engineering Journal</i> , 2015, 259, 787-794.	12.7	191
40	Enhancement of Catalytic Activity Over the Iron-Modified Ce/TiO <sub>2</sub> Catalyst for Selective Catalytic Reduction of NO <sub>x</sub> with Ammonia. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25319-25327.	3.1	189
41	Integration of microfiltration and visible-light-driven photocatalysis on g-C <sub>3</sub> N <sub>4</sub> nanosheet/reduced graphene oxide membrane for enhanced water treatment. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 134-140.	20.2	189
42	An electrochemical sensor based on molecularly imprinted polypyrrole/graphene quantum dots composite for detection of bisphenol A in water samples. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 599-606.	7.8	187
43	Efficient photo-Fenton activity in mesoporous MIL-100(Fe) decorated with ZnO nanosphere for pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 428-438.	20.2	187
44	Optimization of anaerobic acidogenesis by adding FeO powder to enhance anaerobic wastewater treatment. <i>Chemical Engineering Journal</i> , 2012, 192, 179-185.	12.7	186
45	Single-atom platinum confined by the interlayer nanospace of carbon nitride for efficient photocatalytic hydrogen evolution. <i>Nano Energy</i> , 2020, 69, 104409.	16.0	185
46	Comparing the mechanisms of ZVI and Fe <sub>3</sub> O <sub>4</sub> for promoting waste-activated sludge digestion. <i>Water Research</i> , 2018, 144, 126-133.	11.3	179
47	Fabrication of g-C <sub>3</sub> N <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> composite and its visible-light photocatalytic capability for ciprofloxacin degradation. <i>Separation and Purification Technology</i> , 2019, 211, 782-789.	7.9	177
48	Electrochemically Assisted Photocatalytic Degradation of 4-Chlorophenol by ZnFe <sub>2</sub> O <sub>4</sub> -Modified TiO <sub>2</sub> Nanotube Array Electrode under Visible Light Irradiation. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5098-5103.	10.0	176
49	Efficient Mineralization of Perfluorooctanoate by Electro-Fenton with H <sub>2</sub> O <sub>2</sub> Electro-generated on Hierarchically Porous Carbon. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13528-13533.	10.0	174
50	Simultaneous pentachlorophenol decomposition and granular activated carbon regeneration assisted by microwave irradiation. <i>Carbon</i> , 2004, 42, 415-422.	10.3	171
51	Improved Photocatalytic Performance of Heterojunction by Controlling the Contact Facet: High Electron Transfer Capacity between TiO <sub>2</sub> and the {110} Facet of BiVO <sub>4</sub> Caused by Suitable Energy Band Alignment. <i>Advanced Functional Materials</i> , 2015, 25, 3074-3080.	14.9	164
52	Roles of magnetite and granular activated carbon in improvement of anaerobic sludge digestion. <i>Bioresource Technology</i> , 2018, 249, 666-672.	9.6	163
53	Complexes of fulvic acid on the surface of hematite, goethite, and akaganeite: FTIR observation. <i>Chemosphere</i> , 2006, 63, 403-410.	8.2	158
54	Evaluation on direct interspecies electron transfer in anaerobic sludge digestion of microbial electrolysis cell. <i>Bioresource Technology</i> , 2016, 200, 235-244.	9.6	157

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55	A universal immunosensing strategy based on regulation of the interaction between graphene and graphene quantum dots. <i>Chemical Communications</i> , 2013, 49, 234-236.	4.1	156
56	Stable Superhydrophobic Ceramic-Based Carbon Nanotube Composite Desalination Membranes. <i>Nano Letters</i> , 2018, 18, 5514-5521.	9.1	153
57	Enhanced Adsorption of PFOA and PFOS on Multiwalled Carbon Nanotubes under Electrochemical Assistance. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8498-8505.	10.0	152
58	Atomic single layer graphitic-C <sub>3</sub> N <sub>4</sub> : fabrication and its high photocatalytic performance under visible light irradiation. <i>RSC Advances</i> , 2014, 4, 624-628.	3.6	152
59	Construction of Z-Scheme g-C <sub>3</sub> N <sub>4</sub> /RGO/WO <sub>3</sub> with in situ photoreduced graphene oxide as electron mediator for efficient photocatalytic degradation of ciprofloxacin. <i>Chemosphere</i> , 2019, 215, 444-453.	8.2	152
60	Selective catalytic oxidation of ammonia to nitrogen over CuO-CeO <sub>2</sub> mixed oxides prepared by surfactant-templated method. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 153-166.	20.2	149
61	Catalytic performance and an insight into the mechanism of CeO <sub>2</sub> nanocrystals with different exposed facets in catalytic ozonation of p-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 526-537.	20.2	149
62	Remarkable improvement of visible light photocatalysis with PANI modified core-shell mesoporous TiO <sub>2</sub> microspheres. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 126-131.	20.2	142
63	Adsorption of ionizable organic contaminants on multi-walled carbon nanotubes with different oxygen contents. <i>Journal of Hazardous Materials</i> , 2011, 186, 407-415.	12.4	142
64	Adsorption of ciprofloxacin, bisphenol and 2-chlorophenol on electrospun carbon nanofibers: In comparison with powder activated carbon. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 120-127.	9.4	142
65	Cobalt Nanoparticles Encapsulated in Porous Carbons Derived from Core-shell ZIF67@ZIF8 as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28685-28694.	8.0	142
66	Applying an electric field in a built-in zero valent iron anaerobic reactor for enhancement of sludge granulation. <i>Water Research</i> , 2011, 45, 1258-1266.	11.3	141
67	Adaptively Evolving Bacterial Communities for Complete and Selective Reduction of Cr(VI), Cu(II), and Cd(II) in Biocathode Bioelectrochemical Systems. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9914-9924.	10.0	140
68	Structuring phase junction between tri-s-triazine and triazine crystalline C <sub>3</sub> N <sub>4</sub> for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 153-160.	20.2	139
69	Enhanced high-solids anaerobic digestion of waste activated sludge by the addition of scrap iron. <i>Bioresource Technology</i> , 2014, 159, 297-304.	9.6	138
70	Potential for direct interspecies electron transfer in an electric-anaerobic system to increase methane production from sludge digestion. <i>Scientific Reports</i> , 2015, 5, 11094.	3.3	138
71	Selective electrochemical H <sub>2</sub> O <sub>2</sub> generation and activation on a bifunctional catalyst for heterogeneous electro-Fenton catalysis. <i>Journal of Hazardous Materials</i> , 2020, 382, 121102.	12.4	137
72	Adding FeO powder to enhance the anaerobic conversion of propionate to acetate. <i>Biochemical Engineering Journal</i> , 2013, 73, 80-85.	3.6	133

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73	Evaluation of bias potential enhanced photocatalytic degradation of 4-chlorophenol with TiO <sub>2</sub> nanotube fabricated by anodic oxidation method. <i>Chemical Engineering Journal</i> , 2009, 146, 30-35.	12.7	131
74	Enhancement of hexavalent chromium reduction and electricity production from a biocathode microbial fuel cell. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 937-945.	3.4	129
75	Enhanced heterogeneous activation of peroxydisulfate by Co and N codoped porous carbon for degradation of organic pollutants: the synergism between Co and N. <i>Environmental Science: Nano</i> , 2019, 6, 399-410.	4.3	129
76	Fabrication of TiO <sub>2</sub> /Pt Coaxial Nanotube Array Schottky Structures for Enhanced Photocatalytic Degradation of Phenol in Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9285-9290.	3.1	128
77	Enhanced Permeability, Selectivity, and Antifouling Ability of CNTs/Al <sub>2</sub> O <sub>3</sub> Membrane under Electrochemical Assistance. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2293-2300.	10.0	128
78	Synthesis of Z-scheme Ag <sub>2</sub> CrO <sub>4</sub> /Ag/g-C <sub>3</sub> N <sub>4</sub> composite with enhanced visible-light photocatalytic activity for 2,4-dichlorophenol degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 439-449.	20.2	127
79	Decoloration of azo dye by a multi-needle-to-plate high-voltage pulsed corona discharge system in water. <i>Journal of Electrostatics</i> , 2006, 64, 416-421.	1.9	126
80	Highly Oriented 1-D ZnO Nanorod Arrays on Zinc Foil: Direct Growth from Substrate, Optical Properties and Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7332-7336.	3.1	125
81	Fabrication and Characterization of Silica/Titania Nanotubes Composite Membrane with Photocatalytic Capability. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6104-6109.	10.0	124
82	TiO <sub>2</sub> /carbon nanotube heterojunction arrays with a controllable thickness of TiO <sub>2</sub> layer and their first application in photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 301-306.	3.9	123
83	A versatile fluorescent biosensor based on target-responsive graphene oxide hydrogel for antibiotic detection. <i>Biosensors and Bioelectronics</i> , 2016, 83, 267-273.	10.1	123
84	Photoelectrocatalytic degradation of pentachlorophenol in aqueous solution using a TiO <sub>2</sub> nanotube film electrode. <i>Environmental Pollution</i> , 2007, 147, 409-414.	7.5	122
85	Fe <sub>3</sub> O <sub>4</sub> -AuNPs anchored 2D metal-organic framework nanosheets with DNA regulated switchable peroxidase-like activity. <i>Nanoscale</i> , 2017, 9, 18699-18710.	5.6	122
86	Fabrication of a TiO <sub>2</sub> /BDD Heterojunction and its Application As a Photocatalyst for the Simultaneous Oxidation of an Azo Dye and Reduction of Cr(VI). <i>Environmental Science &amp; Technology</i> , 2008, 42, 3791-3796.	10.0	121
87	Photonic Crystal Coupled TiO <sub>2</sub> /Polymer Hybrid for Efficient Photocatalysis under Visible Light Irradiation. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3481-3485.	10.0	121
88	An electrochemically enhanced solid-phase microextraction approach based on molecularly imprinted polypyrrole/multi-walled carbon nanotubes composite coating for selective extraction of fluoroquinolones in aqueous samples. <i>Analytica Chimica Acta</i> , 2012, 727, 26-33.	5.4	119
89	Selective catalytic reaction of NO <sub>x</sub> with NH <sub>3</sub> over Ce/Fe/TiO <sub>2</sub> -loaded wire-mesh honeycomb: Resistance to SO <sub>2</sub> poisoning. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 630-635.	20.2	116
90	Health risk assessment of heavy metals and pesticides: A case study in the main drinking water source in Dalian, China. <i>Chemosphere</i> , 2020, 242, 125113.	8.2	116

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91	Carbon-Based Materials for Electrochemical Reduction of CO <sub>2</sub> to C <sub>2+</sub> Oxygenates: Recent Progress and Remaining Challenges. ACS Catalysis, 2021, 11, 2076-2097.	11.2	116
92	Degradation of p-nitrophenol in aqueous solution by microwave assisted oxidation process through a granular activated carbon fixed bed. Water Research, 2006, 40, 3061-3068.	11.3	114
93	High-Efficiency Electrocatalysis of Molecular Oxygen toward Hydroxyl Radicals Enabled by an Atomically Dispersed Iron Catalyst. Environmental Science & Technology, 2020, 54, 12662-12672.	10.0	114
94	Fabrication of photocatalytic membrane and evaluation its efficiency in removal of organic pollutants from water. Separation and Purification Technology, 2006, 50, 147-155.	7.9	113
95	Characterization of boron-doped TiO <sub>2</sub> nanotube arrays prepared by electrochemical method and its visible light activity. Separation and Purification Technology, 2008, 62, 668-673.	7.9	112
96	Reductive dechlorination and mineralization of pentachlorophenol in biocathode microbial fuel cells. Bioresource Technology, 2012, 111, 167-174.	9.6	112
97	Performing a microfiltration integrated with photocatalysis using an Ag-TiO <sub>2</sub> /HAP/Al <sub>2</sub> O <sub>3</sub> composite membrane for water treatment: Evaluating effectiveness for humic acid removal and anti-fouling properties. Water Research, 2010, 44, 6104-6114.	11.3	109
98	Photocatalytic reaction by Fe(III)-citrate complex and its effect on the photodegradation of atrazine in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 197, 382-388.	3.9	108
99	Facile Method for Fabricating Boron-Doped TiO <sub>2</sub> Nanotube Array with Enhanced Photoelectrocatalytic Properties. Industrial & Engineering Chemistry Research, 2008, 47, 3804-3808.	3.7	107
100	Distance-independent quenching of quantum dots by nanoscale-graphene in self-assembled sandwich immunoassay. Chemical Communications, 2010, 46, 7909.	4.1	106
101	“Mulberry-like” CdSe Nanoclusters Anchored on TiO <sub>2</sub> Nanotube Arrays: A Novel Architecture with Remarkable Photoelectrochemical Performance. Chemistry of Materials, 2009, 21, 3090-3095.	6.7	105
102	Integration of membrane filtration and photoelectrocatalysis on g-C <sub>3</sub> N <sub>4</sub> /CNTs/Al <sub>2</sub> O <sub>3</sub> membrane with visible-light response for enhanced water treatment. Journal of Membrane Science, 2017, 541, 153-161.	8.2	105
103	Effects of ferric iron on the anaerobic treatment and microbial biodiversity in a coupled microbial electrolysis cell (MEC) “Anaerobic reactor. Water Research, 2013, 47, 5719-5728.	11.3	104
104	Preparation of molecularly imprinted polymer nanoparticles for selective removal of fluoroquinolone antibiotics in aqueous solution. Journal of Hazardous Materials, 2013, 244-245, 750-757.	12.4	102
105	Tuning Lewis acidity of MIL-88B-Fe with mix-valence coordinatively unsaturated iron centers on ultrathin Ti <sub>3</sub> C <sub>2</sub> nanosheets for efficient photo-Fenton reaction. Applied Catalysis B: Environmental, 2020, 264, 118534.	20.2	102
106	Enhanced generation of oxidative species and phenol degradation in a discharge plasma system coupled with TiO <sub>2</sub> photocatalysis. Applied Catalysis B: Environmental, 2008, 83, 72-77.	20.2	100
107	Constructing BiVO <sub>4</sub> -Au@CdS photocatalyst with energetic charge-carrier-separation capacity derived from facet induction and Z-scheme bridge for degradation of organic pollutants. Applied Catalysis B: Environmental, 2018, 227, 258-265.	20.2	100
108	A “turn-on” fluorescent copper biosensor based on DNA cleavage-dependent graphene-quenched DNAzyme. Biosensors and Bioelectronics, 2011, 26, 4111-4116.	10.1	99

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109	Carbon nitride with electron storage property: Enhanced exciton dissociation for high-efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 99-106.	20.2	99
110	Enhanced photocatalytic performance of a two-dimensional BiOIO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructured composite with a Z-scheme configuration. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 947-956.	20.2	99
111	Bioaugmentation and functional partitioning in a zero valent iron-anaerobic reactor for sulfate-containing wastewater treatment. <i>Chemical Engineering Journal</i> , 2011, 174, 159-165.	12.7	98
112	Simultaneous nitrification and denitrification process using novel surface-modified suspended carriers for the treatment of real domestic wastewater. <i>Chemosphere</i> , 2020, 247, 125831.	8.2	97
113	Preparation of Ag doped BiVO <sub>4</sub> film and its enhanced photoelectrocatalytic (PEC) ability of phenol degradation under visible light. <i>Journal of Hazardous Materials</i> , 2009, 167, 911-914.	12.4	96
114	Ag-TiO <sub>2</sub> /HAP/Al <sub>2</sub> O <sub>3</sub> bioceramic composite membrane: Fabrication, characterization and bactericidal activity. <i>Journal of Membrane Science</i> , 2009, 336, 109-117.	8.2	96
115	Novel phosphorus doped carbon nitride modified TiO <sub>2</sub> nanotube arrays with improved photoelectrochemical performance. <i>Nanoscale</i> , 2015, 7, 16282-16289.	5.6	96
116	Ferroelectric-enhanced Z-schematic electron transfer in BiVO <sub>4</sub> -BiFeO <sub>3</sub> -CuInS <sub>2</sub> for efficient photocatalytic pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 591-599.	20.2	96
117	Occurrence, removal, and risk assessment of antibiotics in 12 wastewater treatment plants from Dalian, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16478-16487.	5.3	96
118	Treatment of petroleum refinery wastewater by microwave-assisted catalytic wet air oxidation under low temperature and low pressure. <i>Separation and Purification Technology</i> , 2008, 62, 565-570.	7.9	95
119	Characterisation of acute toxicity, genotoxicity and oxidative stress posed by textile effluent on zebrafish. <i>Journal of Environmental Sciences</i> , 2012, 24, 2019-2027.	6.1	95
120	Electrochemically enhanced adsorption of aniline on activated carbon fibers. <i>Separation and Purification Technology</i> , 2006, 50, 365-372.	7.9	93
121	Fabrication of a TiO <sub>2</sub> /carbon nanowall heterojunction and its photocatalytic ability. <i>Carbon</i> , 2008, 46, 1126-1132.	10.3	93
122	Studies of silver species for low-temperature CO oxidation on Ag/SiO <sub>2</sub> catalysts. <i>Separation and Purification Technology</i> , 2010, 72, 395-400.	7.9	93
123	Nitrogen and sulfur co-doped graphene/carbon nanotube as metal-free electrocatalyst for oxygen evolution reaction: the enhanced performance by sulfur doping. <i>Electrochimica Acta</i> , 2016, 204, 169-175.	5.2	93
124	A silicon-doped TiO <sub>2</sub> nanotube arrays electrode with enhanced photoelectrocatalytic activity. <i>Applied Surface Science</i> , 2008, 255, 2167-2172.	6.1	91
125	Electrochemically Assisted Photocatalytic Inactivation of <i>Escherichia coli</i> under Visible Light Using a ZnIn <sub>2</sub> S <sub>4</sub> Film Electrode. <i>Langmuir</i> , 2008, 24, 7599-7604.	3.5	91
126	Enhanced electro-Fenton performance by fluorine-doped porous carbon for removal of organic pollutants in wastewater. <i>Chemical Engineering Journal</i> , 2018, 354, 606-615.	12.7	91



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127	Enhanced Perfluorooctanoic Acid Degradation by Electrochemical Activation of Sulfate Solution on B/N Codoped Diamond. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5195-5201.	10.0	91
128	Generation of hydroxyl radical in aqueous solution by microwave energy using activated carbon as catalyst and its potential in removal of persistent organic substances. <i>Journal of Molecular Catalysis A</i> , 2007, 263, 216-222.	4.8	90
129	Preparation and evaluation of molecularly imprinted solid-phase microextraction fibers for selective extraction of bisphenol A in complex samples. <i>Journal of Chromatography A</i> , 2009, 1216, 5647-5654.	3.7	90
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277	Nitrogen-doped hierarchically porous carbon nanopolyhedras derived from core-shell ZIF-8@ZIF-8 single crystals for enhanced oxygen reduction reaction. <i>Catalysis Today</i> , 2019, 327, 366-373.	4.4	47
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400	Cathodic $\text{Cr(VI)}$ reduction by electrochemically active bacteria sensed by fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 303-310.	7.8	27
401	Dependency of migration and reduction of mixed $\text{Cr}^{2+}$ , $\text{Cu}^{2+}$ and $\text{Cd}^{2+}$ on electric field, ion exchange membrane and metal concentration in microbial fuel cells. <i>Separation and Purification Technology</i> , 2018, 192, 78-87.	7.9	27
402	Electro-assisted CNTs/ceramic flat sheet ultrafiltration membrane for enhanced antifouling and separation performance. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	27
403	Enhanced photocatalytic activity for titanium dioxide by co-modifying with silica and fluorine. <i>Journal of Hazardous Materials</i> , 2010, 175, 258-266.	12.4	26
404	Effects of $\text{Cu(II)}$ and humic acid on atrazine photodegradation. <i>Journal of Environmental Sciences</i> , 2011, 23, 773-777.	6.1	26
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412	A porous carbon-based electro-Fenton hollow fiber membrane with good antifouling property for microalgae harvesting. <i>Journal of Membrane Science</i> , 2021, 626, 119189.	8.2	26
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