

Peike Cao

List of Publications by Year in descending order

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219
papers

16,050
citations

14655

66
h-index

19190

118
g-index

223
all docs

223
docs citations

223
times ranked

16874
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of organic wastewater by a synergic electrocatalysis process with Ti ³⁺ self-doped TiO ₂ nanotube arrays electrode as both cathode and anode. <i>Journal of Hazardous Materials</i> , 2022, 424, 127747.	12.4	22
2	Robust ultrathin nanoporous MOF membrane with intra-crystalline defects for fast water transport. <i>Nature Communications</i> , 2022, 13, 266.	12.8	76
3	Electro-Fenton improving fouling mitigation and microalgae harvesting performance in a novel membrane photobioreactor. <i>Water Research</i> , 2022, 210, 117955.	11.3	10
4	Design Principles and Strategies of Photocatalytic H ₂ O ₂ Production from O ₂ Reduction. <i>ACS ES&T Engineering</i> , 2022, 2, 1068-1079.	7.6	51
5	Enhancing anaerobic methane production in integrated floating-film activated sludge system filled with novel MWCNTs-modified carriers. <i>Chemosphere</i> , 2022, 299, 134483.	8.2	6
6	Toxicity of biochar influenced by aging time and environmental factors. <i>Chemosphere</i> , 2022, 298, 134262.	8.2	14
7	Simultaneous nitrification and denitrification in continuous flow MBBR with novel surface-modified carriers. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3607-3617.	2.2	22
8	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
9	Photocatalytic ozonation of organic pollutants in wastewater using a flowing through reactor. <i>Journal of Hazardous Materials</i> , 2021, 405, 124277.	12.4	24
10	Carbon-Based Materials for Electrochemical Reduction of CO ₂ to C ₂₊ Oxygenates: Recent Progress and Remaining Challenges. <i>ACS Catalysis</i> , 2021, 11, 2076-2097.	11.2	116
11	Highly efficient metal-free electro-Fenton degradation of organic contaminants on a bifunctional catalyst. <i>Journal of Hazardous Materials</i> , 2021, 416, 125859.	12.4	49
12	Alternating current-enhanced carbon nanotubes hollow fiber membranes for membrane fouling control in novel membrane bioreactors. <i>Chemosphere</i> , 2021, 277, 130240.	8.2	12
13	Strengthened attachment of anammox bacteria on iron-based modified carrier and its effects on anammox performance in integrated floating-film activated sludge (IFFAS) process. <i>Science of the Total Environment</i> , 2021, 787, 147679.	8.0	17
14	Selective reduction of nitrate to ammonium over charcoal electrode derived from natural wood. <i>Chemosphere</i> , 2021, 285, 131501.	8.2	16
15	Enhanced Chlorinated Pollutant Degradation by the Synergistic Effect between Dechlorination and Hydroxyl Radical Oxidation on a Bimetallic Single-Atom Catalyst. <i>Environmental Science & Technology</i> , 2021, 55, 14194-14203.	10.0	70
16	Durable and Selective Electrochemical H ₂ O ₂ Synthesis under a Large Current Enabled by the Cathode with Highly Hydrophobic Three-Phase Architecture. <i>ACS Catalysis</i> , 2021, 11, 13797-13808.	11.2	59
17	Construction of a Microchannel Aeration Cathode for Producing H ₂ O ₂ via Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56045-56053.	8.0	14
18	Performance of Alternating-Current-Enhanced Anaerobic Membrane Bioreactor: Membrane Fouling, Wastewater Treatment, and CH ₄ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15973-15982.	6.7	8

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19	Selective electrochemical H ₂ O ₂ generation and activation on a bifunctional catalyst for heterogeneous electro-Fenton catalysis. <i>Journal of Hazardous Materials</i> , 2020, 382, 121102.	12.4	137
20	Efficient electrochemical reduction of nitrobenzene by nitrogen doped porous carbon. <i>Chemosphere</i> , 2020, 238, 124636.	8.2	25
21	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
22	Porous carbon membrane with enhanced selectivity and antifouling capability for water treatment under electrochemical assistance. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 59-68.	9.4	30
23	Construction of a Microchannel Electrochemical Reactor with a Monolithic Porous-Carbon Cathode for Adsorption and Degradation of Organic Pollutants in Several Minutes of Retention Time. <i>Environmental Science & Technology</i> , 2020, 54, 1920-1928.	10.0	30
24	Efficient day-night photocatalysis performance of 2D/2D Ti ₃ C ₂ /Porous g-C ₃ N ₄ nanolayers composite and its application in the degradation of organic pollutants. <i>Chemosphere</i> , 2020, 246, 125760.	8.2	89
25	Electrokinetic Enhancement of Water Flux and Ion Rejection through Graphene Oxide/Carbon Nanotube Membrane. <i>Environmental Science & Technology</i> , 2020, 54, 15433-15441.	10.0	33
26	Cross-linked Graphene Oxide Framework Membranes with Robust Nano-Channels for Enhanced Sieving Ability. <i>Environmental Science & Technology</i> , 2020, 54, 15442-15453.	10.0	75
27	Enhanced Photocatalytic H ₂ O ₂ Production over Carbon Nitride by Doping and Defect Engineering. <i>ACS Catalysis</i> , 2020, 10, 14380-14389.	11.2	265
28	High-Efficiency Electrocatalysis of Molecular Oxygen toward Hydroxyl Radicals Enabled by an Atomically Dispersed Iron Catalyst. <i>Environmental Science & Technology</i> , 2020, 54, 12662-12672.	10.0	114
29	Electrochemical activation of peroxydisulfate in cathodic micro-channels for effective degradation of organic pollutants in wastewater. <i>Journal of Hazardous Materials</i> , 2020, 398, 122879.	12.4	31
30	Utilizing transparent and conductive SnO ₂ as electron mediator to enhance the photocatalytic performance of Z-scheme Si-SnO ₂ -TiO _x . <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	4
31	Selective electroreduction of CO ₂ to acetone by single copper atoms anchored on N-doped porous carbon. <i>Nature Communications</i> , 2020, 11, 2455.	12.8	265
32	Flexible Superhydrophobic Metal-Based Carbon Nanotube Membrane for Electrochemically Enhanced Water Treatment. <i>Environmental Science & Technology</i> , 2020, 54, 9074-9082.	10.0	65
33	Enhancing anaerobic digestion in anaerobic integrated floating fixed-film activated sludge (An-IFAS) system using novel electron mediator suspended biofilm carriers. <i>Water Research</i> , 2020, 175, 115697.	11.3	36
34	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
35	Effects of nanomaterials on metal toxicity: Case study of graphene family on Cd. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110448.	6.0	6
36	Energy-transfer-mediated oxygen activation in carbonyl functionalized carbon nitride nanosheets for high-efficient photocatalytic water disinfection and organic pollutants degradation. <i>Water Research</i> , 2020, 177, 115798.	11.3	68

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37	Mitigating Membrane Fouling Based on In Situ H_2O_2 Generation in a Novel Electro-Fenton Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2020, 54, 7669-7676.	10.0	43
38	Intensified degradation and mineralization of antibiotic metronidazole in photo-assisted microbial fuel cells with Mo-W catalytic cathodes under anaerobic or aerobic conditions in the presence of Fe(III). <i>Chemical Engineering Journal</i> , 2019, 376, 119566.	12.7	37
39	Enhanced nitrification in integrated floating fixed-film activated sludge (IFFAS) system using novel clinoptilolite composite carrier. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	13
40	Novel metal-organic framework supported manganese oxides for the selective catalytic reduction of NO_x with NH_3 : Promotional role of the support. <i>Journal of Hazardous Materials</i> , 2019, 380, 120800.	12.4	36
41	Effects of chlorinated polyfluoroalkyl ether sulfonate in comparison with perfluoroalkyl acids on gene profiles and stemness in human mesenchymal stem cells. <i>Chemosphere</i> , 2019, 237, 124402.	8.2	9
42	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
43	Efficient H_2O_2 generation and electro-Fenton degradation of pollutants in microchannels of oxidized monolithic-porous-carbon cathode. <i>Water Science and Technology</i> , 2019, 80, 970-978.	2.5	8
44	Surface water extracts impair gene profiles and differentiation in human mesenchymal stem cells. <i>Environment International</i> , 2019, 132, 104823.	10.0	2
45	Enhanced activation of peroxymonosulfate by CNT-TiO ₂ under UV-light assistance for efficient degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	28
46	Carbon nanotubes-incorporated MIL-88B-Fe as highly efficient Fenton-like catalyst for degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	49
47	Enhanced catalytic ozonation by highly dispersed CeO ₂ on carbon nanotubes for mineralization of organic pollutants. <i>Journal of Hazardous Materials</i> , 2019, 368, 621-629.	12.4	71
48	Enhanced heterogeneous activation of peroxymonosulfate 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
49	Environmentally persistent free radical generation on contaminated soil and their potential biotoxicity to luminous bacteria. <i>Science of the Total Environment</i> , 2019, 687, 348-354.	8.0	39
50	Performing homogeneous catalytic ozonation using heterogeneous Mn ²⁺ -bonded oxidized carbon nanotubes by self-driven pH variation induced reversible desorption and adsorption of Mn ²⁺ . <i>Environmental Science: Nano</i> , 2019, 6, 1932-1940.	4.3	12
51	Three-Dimensional Branched Crystal Carbon Nitride with Enhanced Intrinsic Peroxidase-Like Activity: A Hypersensitive Platform for Colorimetric Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17467-17474.	8.0	29
52	Comparison of CNT-PVA membrane and commercial polymeric membranes in treatment of emulsified oily wastewater. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	23
53	Enhanced Perfluorooctanoic Acid Degradation by Electrochemical Activation of Sulfate Solution on B/N Codoped Diamond. <i>Environmental Science & Technology</i> , 2019, 53, 5195-5201.	10.0	91
54	<i>In situ</i> remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , 2019, 6, 1283-1302.	4.3	65

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55	Improvement of Antifouling and Antimicrobial Abilities on Silver-Carbon Nanotube Based Membranes under Electrochemical Assistance. <i>Environmental Science & Technology</i> , 2019, 53, 5292-5300.	10.0	45
56	The adverse effect of biochar to aquatic algae- the role of free radicals. <i>Environmental Pollution</i> , 2019, 248, 429-437.	7.5	55
57	Non enzymatic fluorometric determination of glucose by using quenched g-C ₃ N ₄ quantum dots. <i>Mikrochimica Acta</i> , 2019, 186, 779.	5.0	10
58	Electrochemical reduction of N ₂ to ammonia on Co single atom embedded N-doped porous carbon under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26358-26363.	10.3	51
59	Real Time Detection of Hazardous Hydroxyl Radical Using an Electrochemical Approach. <i>ChemistrySelect</i> , 2019, 4, 12507-12511.	1.5	14
60	Steering CO ₂ electroreduction toward ethanol production by a surface-bound Ru polypyridyl carbene catalyst on N-doped porous carbon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26353-26358.	7.1	55
61	The effects of humic acid on the toxicity of graphene oxide to <i>Scenedesmus obliquus</i> and <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2019, 649, 163-171.	8.0	51
62	A novel aerobic electrochemical membrane bioreactor with CNTs hollow fiber membrane by electrochemical oxidation to improve water quality and mitigate membrane fouling. <i>Water Research</i> , 2019, 151, 54-63.	11.3	73
63	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science & Technology</i> , 2019, 53, 2937-2947.	10.0	493
64	Development of cerium oxide-based diffusive gradients in thin films technique for in-situ measurement of dissolved inorganic arsenic in waters. <i>Analytica Chimica Acta</i> , 2019, 1052, 65-72.	5.4	12
65	Characterization and Formation Mechanism of the Nanodiamond Synthesized by A High Energy Arc-Plasma. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800704.	1.8	2
66	Construction of Z-Scheme g-C ₃ N ₄ /RGO/WO ₃ 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
67	Improving Ion Rejection of Conductive Nanofiltration Membrane through Electrically Enhanced Surface Charge Density. <i>Environmental Science & Technology</i> , 2019, 53, 868-877.	10.0	83
68	Novel Anaerobic Electrochemical Membrane Bioreactor with a CNTs Hollow Fiber Membrane Cathode to Mitigate Membrane Fouling and Enhance Energy Recovery. <i>Environmental Science & Technology</i> , 2019, 53, 1014-1021.	10.0	71
69	A loop of catholyte effluent feeding to bioanodes for complete recovery of Sn, Fe, and Cu with simultaneous treatment of the co-present organics in microbial fuel cells. <i>Science of the Total Environment</i> , 2019, 651, 1698-1708.	8.0	25
70	Covalent functionalization of MoS ₂ nanosheets synthesized by liquid phase exfoliation to construct electrochemical sensors for Cd (II) detection. <i>Talanta</i> , 2018, 182, 38-48.	5.5	58
71	Efficient In Situ Utilization of Caustic for Sequential Recovery and Separation of Sn, Fe, and Cu in Microbial Fuel Cells. <i>ChemElectroChem</i> , 2018, 5, 1658-1669.	3.4	13
72	Deposition and separation of W and Mo from aqueous solutions with simultaneous hydrogen production in stacked bioelectrochemical systems (BESs): Impact of heavy metals W(VI)/Mo(VI) molar ratio, initial pH and electrode material. <i>Journal of Hazardous Materials</i> , 2018, 353, 348-359.	12.4	9

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73	Combined Effects of Surface Charge and Pore Size on Co-Enhanced Permeability and Ion Selectivity through RGO-OCNT Nanofiltration Membranes. <i>Environmental Science & Technology</i> , 2018, 52, 4827-4834.	10.0	79
74	Anti-fouling characteristic of carbon nanotubes hollow fiber membranes by filtering natural organic pollutants. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 964-973.	2.7	14
75	Enhanced adsorption of ionizable antibiotics on activated carbon fiber under electrochemical assistance in continuous-flow modes. <i>Water Research</i> , 2018, 134, 162-169.	11.3	47
76	Facile Ammonia Synthesis from Electrocatalytic N ₂ Reduction under Ambient Conditions on N-Doped Porous Carbon. <i>ACS Catalysis</i> , 2018, 8, 1186-1191.	11.2	520
77	Highly Permeable Thin-Film Composite Forward Osmosis Membrane Based on Carbon Nanotube Hollow Fiber Scaffold with Electrically Enhanced Fouling Resistance. <i>Environmental Science & Technology</i> , 2018, 52, 1444-1452.	10.0	56
78	Heterogeneous activation of peroxymonosulfate by LaCo _{1-x} Cu _x O ₃ perovskites for degradation of organic pollutants. <i>Journal of Hazardous Materials</i> , 2018, 353, 401-409.	12.4	249
79	Removal of binary Cr(VI) and Cd(II) from the catholyte of MFCs and determining their fate in EAB using fluorescence probes. <i>Bioelectrochemistry</i> , 2018, 122, 61-68.	4.6	23
80	Enhancing nitrogen removal efficiency in a dyestuff wastewater treatment plant with the IFFAS process: the pilot-scale and full-scale studies. <i>Water Science and Technology</i> , 2018, 77, 70-78.	2.5	7
81	Roles of magnetite and granular activated carbon in improvement of anaerobic sludge digestion. <i>Bioresource Technology</i> , 2018, 249, 666-672.	9.6	163
82	Amphiphilic PA-induced three-dimensional graphene macrostructure with enhanced removal of heavy metal ions. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 853-861.	9.4	47
83	Fluorine-doped carbon nanotubes as an efficient metal-free catalyst for destruction of organic pollutants in catalytic ozonation. <i>Chemosphere</i> , 2018, 190, 135-143.	8.2	75
84	Optical emission spectroscopy diagnosis of energetic Ar ions in synthesis of SiC polytypes by DC arc discharge plasma. <i>Nano Research</i> , 2018, 11, 1470-1481.	10.4	26
85	Effective adsorption of sulfamethoxazole, bisphenol A and methyl orange on nanoporous carbon derived from metal-organic frameworks. <i>Journal of Environmental Sciences</i> , 2018, 63, 250-259.	6.1	68
86	Direct growth of ultra-permeable molecularly thin porous graphene membranes for water treatment. <i>Environmental Science: Nano</i> , 2018, 5, 3004-3010.	4.3	5
87	Superpermeable nanoporous carbon-based catalytic membranes for electro-Fenton driven high-efficiency water treatment. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23502-23512.	10.3	8
88	Two-dimensional nanomaterial based sensors for heavy metal ions. <i>Mikrochimica Acta</i> , 2018, 185, 478.	5.0	48
89	Transformation of Nitrogen and Iron Species during Nitrogen Removal from Wastewater via Feamox by Adding Ferrihydrite. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14394-14402.	6.7	54
90	Enhanced photocatalytic performance of a two-dimensional BiOIO ₃ /g-C ₃ N ₄ heterostructured composite with a Z-scheme configuration. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 947-956.	20.2	99

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91	Photoelectrochemical aptasensor for sulfadimethoxine using g-C ₃ N ₄ quantum dots modified with reduced graphene oxide. <i>Mikrochimica Acta</i> , 2018, 185, 345.	5.0	38
92	Stable Superhydrophobic Ceramic-Based Carbon Nanotube Composite Desalination Membranes. <i>Nano Letters</i> , 2018, 18, 5514-5521.	9.1	153
93	Improving the co-digestion performance of waste activated sludge and wheat straw through ratio optimization and ferrous oxide supplementation. <i>Bioresource Technology</i> , 2018, 267, 591-598.	9.6	35
94	Comparing the mechanisms of ZVI and Fe ₃ O ₄ for promoting waste-activated sludge digestion. <i>Water Research</i> , 2018, 144, 126-133.	11.3	179
95	Catalytic Ozonation in Arrayed Zinc Oxide Nanotubes as Highly Efficient Mini-Column Catalyst Reactors (MCRs): Augmentation of Hydroxyl Radical Exposure. <i>Environmental Science & Technology</i> , 2018, 52, 8701-8711.	10.0	45
96	Enhanced heterogeneous Fenton-like activity by Cu-doped BiFeO ₃ perovskite for degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	26
97	Transcriptomic Profiles in Zebrafish Liver Permit the Discrimination of Surface Water with Pollution Gradient and Different Discharges. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1648.	2.6	9
98	Two-dimensional MoS ₂ : A promising building block for biosensors. <i>Biosensors and Bioelectronics</i> , 2017, 89, 56-71.	10.1	215
99	Determination of Oxytetracycline by a Graphene-Gold Nanoparticle-Based Colorimetric Aptamer Sensor. <i>Analytical Letters</i> , 2017, 50, 544-553.	1.8	26
100	CO ₂ Electroreduction at Low Overpotential on Oxide-Derived Cu/Carbons Fabricated from Metal Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5302-5311.	8.0	239
101	Poly(vinylidene fluoride) hollow-fiber membranes containing silver/graphene oxide dope with excellent filtration performance. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	21
102	Potentially direct interspecies electron transfer of methanogenesis for syntrophic metabolism under sulfate reducing conditions with stainless steel. <i>Bioresource Technology</i> , 2017, 234, 303-309.	9.6	86
103	Towards engineering application: Potential mechanism for enhancing anaerobic digestion of complex organic waste with different types of conductive materials. <i>Water Research</i> , 2017, 115, 266-277.	11.3	254
104	Superpermeable Atomic-Thin Graphene Membranes with High Selectivity. <i>ACS Nano</i> , 2017, 11, 1920-1926.	14.6	45
105	Fluorescence microscopy image-analysis (FMI) for the characterization of interphase HO ₂ ™ production originated by heterogeneous catalysis. <i>Chemical Communications</i> , 2017, 53, 2575-2577.	4.1	19
106	Interface evolution in the platelet-like SiC@C and SiC@SiO ₂ monocrystal nanocapsules. <i>Nano Research</i> , 2017, 10, 2644-2656.	10.4	27
107	Scaling-up of a zero valent iron packed anaerobic reactor for textile dye wastewater treatment: a potential technology for on-site upgrading and rebuilding of traditional anaerobic wastewater treatment plant. <i>Water Science and Technology</i> , 2017, 76, 823-831.	2.5	10
108	Is A/A/O process effective in toxicity removal? Case study with coking wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 363-368.	6.0	11

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109	Photoinduced formation of reactive oxygen species and electrons from metal oxide@silica nanocomposite: An EPR spin-trapping study. <i>Applied Surface Science</i> , 2017, 416, 281-287.	6.1	36
110	Evaluation of the detoxification efficiencies of coking wastewater treated by combined anaerobic-anoxic-oxic (A ² O) and advanced oxidation process. <i>Journal of Hazardous Materials</i> , 2017, 338, 186-193.	12.4	52
111	A colorimetric aptasensor for sulfadimethoxine detection based on peroxidase-like activity of graphene/nickel@palladium hybrids. <i>Analytical Biochemistry</i> , 2017, 525, 92-99.	2.4	46
112	Start-up and bacterial community compositions of partial nitrification in moving bed biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2563-2574.	3.6	64
113	Acute toxicity reduction and toxicity identification in pigment-contaminated wastewater during anaerobic-anoxic-oxic (A/A/O) treatment process. <i>Chemosphere</i> , 2017, 168, 1285-1292.	8.2	14
114	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
115	Selective Electrochemical Reduction of Carbon Dioxide to Ethanol on a Boron- and Nitrogen- Co-doped Nanodiamond. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15607-15611.	13.8	226
116	New Application of Ethanol-Type Fermentation: Stimulating Methanogenic Communities with Ethanol to Perform Direct Interspecies Electron Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9441-9453.	6.7	41
117	Determination and prediction of octanol-air partition coefficients for organophosphate flame retardants. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 283-288.	6.0	24
118	Probing the interphase α -HO zone-originated by carbon nanotube during catalytic ozonation. <i>Water Research</i> , 2017, 122, 86-95.	11.3	72
119	Cobalt Nanoparticles Encapsulated in Porous Carbons Derived from Core-Shell ZIF67@ZIF8 as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28685-28694.	8.0	142
120	Innenteilbild: Selective Electrochemical Reduction of Carbon Dioxide to Ethanol on a Boron- and Nitrogen- Co-doped Nanodiamond (<i>Angew. Chem.</i> 49/2017). <i>Angewandte Chemie</i> , 2017, 129, 15678-15678.	2.0	1
121	Covering γ -Fe ₂ O ₃ protection layer on the surface of p-Si micropillar array for enhanced photoelectrochemical performance. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	7
122	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
123	Correlation between circuit current, Cu(II) reduction and cellular electron transfer in EAB isolated from Cu(II)-reduced biocathodes of microbial fuel cells. <i>Bioelectrochemistry</i> , 2017, 114, 1-7.	4.6	64
124	Impact of Fe(III) as an effective electron-shuttle mediator for enhanced Cr(VI) reduction in microbial fuel cells: Reduction of diffusional resistances and cathode overpotentials. <i>Journal of Hazardous Materials</i> , 2017, 321, 896-906.	12.4	89
125	Fluorescent probe based subcellular distribution of Cu(II) ions in living electrotophs isolated from Cu(II)-reduced biocathodes of microbial fuel cells. <i>Bioresource Technology</i> , 2017, 225, 316-325.	9.6	28
126	Enhancement of anaerobic methanogenesis at a short hydraulic retention time via bioelectrochemical enrichment of hydrogenotrophic methanogens. <i>Bioresource Technology</i> , 2016, 218, 505-511.	9.6	66

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127	Enhancing nitrogen removal efficiency and reducing nitrate liquor recirculation ratio by improving simultaneous nitrification and denitrification in integrated fixed-film activated sludge (IFAS) process. <i>Water Science and Technology</i> , 2016, 73, 827-834.	2.5	14
128	Evaluation of the detoxication efficiencies for acrylonitrile wastewater treated by a combined anaerobic oxic-aerobic biological fluidized tank (A/O-ABFT) process: Acute toxicity and zebrafish embryo toxicity. <i>Chemosphere</i> , 2016, 154, 1-7.	8.2	12
129	Novel <i>in situ</i> Synthesized Fe@C Magnetic Nanocapsules Used as Adsorbent for Removal of Organic Dyes and its Recycling. <i>Nano</i> , 2016, 11, 1650013.	1.0	7
130	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
131	Joint toxicity of cadmium and SDBS on <i>Daphnia magna</i> and <i>Danio rerio</i> . <i>Ecotoxicology</i> , 2016, 25, 1703-1711.	2.4	13
132	Synthesis of manganese incorporated hierarchical mesoporous silica nanosphere with fibrous morphology by facile one-pot approach for efficient catalytic ozonation. <i>Journal of Hazardous Materials</i> , 2016, 318, 308-318.	12.4	44
133	Communities stimulated with ethanol to perform direct interspecies electron transfer for syntrophic metabolism of propionate and butyrate. <i>Water Research</i> , 2016, 102, 475-484.	11.3	241
134	Electrochemical reduction of carbon dioxide to formate with Fe-C electrodes in anaerobic sludge digestion process. <i>Water Research</i> , 2016, 106, 339-343.	11.3	37
135	Nutrient removal performance and microbial characteristics of a full-scale IFAS-EBPR process treating municipal wastewater. <i>Water Science and Technology</i> , 2016, 73, 1261-1268.	2.5	26
136	Network optimization and performance evaluation of the water-use system in China's straw pulp and paper industry: a case study. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 257-268.	4.1	9
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