

# Guo-Ping Sheng

## List of Publications by Year in descending order

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215  
papers

16,453  
citations

15504

65  
h-index

18130

120  
g-index

218  
all docs

218  
docs citations

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times ranked

13486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular polymeric substances (EPS) of microbial aggregates in biological wastewater treatment systems: A review. <i>Biotechnology Advances</i> , 2010, 28, 882-894.	11.7	2,305
2	Characterization of extracellular polymeric substances of aerobic and anaerobic sludge using three-dimensional excitation and emission matrix fluorescence spectroscopy. <i>Water Research</i> , 2006, 40, 1233-1239.	11.3	629
3	FTIR and Synchronous Fluorescence Heterospectral Two-Dimensional Correlation Analyses on the Binding Characteristics of Copper onto Dissolved Organic Matter. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2052-2058.	10.0	389
4	Contribution of Extracellular Polymeric Substances (EPS) to the Sludge Aggregation. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4355-4360.	10.0	378
5	Polyethylenimine modified biochar adsorbent for hexavalent chromium removal from the aqueous solution. <i>Bioresource Technology</i> , 2014, 169, 403-408.	9.6	344
6	Thermodynamic analysis on the binding of heavy metals onto extracellular polymeric substances (EPS) of activated sludge. <i>Water Research</i> , 2013, 47, 607-614.	11.3	289
7	Roles of extracellular polymeric substances (EPS) in the migration and removal of sulfamethazine in activated sludge system. <i>Water Research</i> , 2013, 47, 5298-5306.	11.3	264
8	Fouling of proton exchange membrane (PEM) deteriorates the performance of microbial fuel cell. <i>Water Research</i> , 2012, 46, 1817-1824.	11.3	254
9	Identification of Key Constituents and Structure of the Extracellular Polymeric Substances Excreted by <i>Bacillus megaterium</i> TF10 for Their Flocculation Capacity. <i>Environmental Science &amp; Technology</i> , 2011, 45, 1152-1157.	10.0	248
10	A novel adsorbent TEMPO-mediated oxidized cellulose nanofibrils modified with PEI: Preparation, characterization, and application for Cu(II) removal. <i>Journal of Hazardous Materials</i> , 2016, 316, 11-18.	12.4	241
11	pH Dependence of Structure and Surface Properties of Microbial EPS. <i>Environmental Science &amp; Technology</i> , 2012, 46, 737-744.	10.0	225
12	Removal of antibiotic resistance genes from wastewater treatment plant effluent by coagulation. <i>Water Research</i> , 2017, 111, 204-212.	11.3	219
13	Bioelectrochemical Chromium(VI) Removal in Plant-Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3882-3889.	10.0	199
14	Physicochemical characteristics of microbial granules. <i>Biotechnology Advances</i> , 2009, 27, 1061-1070.	11.7	195
15	An MEC-MFC-Coupled System for Biohydrogen Production from Acetate. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8095-8100.	10.0	193
16	Extraction of extracellular polymeric substances from the photosynthetic bacterium <i>Rhodospseudomonas acidophila</i> . <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 125-130.	3.6	185
17	Production of extracellular polymeric substances from <i>Rhodospseudomonas acidophila</i> in the presence of toxic substances. <i>Applied Microbiology and Biotechnology</i> , 2005, 69, 216-222.	3.6	180
18	Phosphorus Removal in an Enhanced Biological Phosphorus Removal Process: Roles of Extracellular Polymeric Substances. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11482-11489.	10.0	167

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19	Characterization of extracellular polymeric substances produced by mixed microorganisms in activated sludge with gel-permeating chromatography, excitation-emission matrix fluorescence spectroscopy measurement and kinetic modeling. <i>Water Research</i> , 2009, 43, 1350-1358.	11.3	163
20	Development of a Novel Bioelectrochemical Membrane Reactor for Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9256-9261.	10.0	163
21	Activating peroxydisulfate with Co <sub>3</sub> O <sub>4</sub> /NiCo <sub>2</sub> O <sub>4</sub> double-shelled nanocages to selectively degrade bisphenol A – A nonradical oxidation process. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119585.	20.2	158
22	Synthesis and characterization of a novel cationic chitosan-based flocculant with a high water-solubility for pulp mill wastewater treatment. <i>Water Research</i> , 2009, 43, 5267-5275.	11.3	153
23	A microbial fuel cell-membrane bioreactor integrated system for cost-effective wastewater treatment. <i>Applied Energy</i> , 2012, 98, 230-235.	10.1	153
24	Characterization of adsorption properties of extracellular polymeric substances (EPS) extracted from sludge. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 83-90.	5.0	151
25	Calcium spatial distribution in aerobic granules and its effects on granule structure, strength and bioactivity. <i>Water Research</i> , 2008, 42, 3343-3352.	11.3	150
26	A gold-sputtered carbon paper as an anode for improved electricity generation from a microbial fuel cell inoculated with <i>Shewanella oneidensis</i> MR-1. <i>Biosensors and Bioelectronics</i> , 2010, 26, 338-343.	10.1	139
27	Nano-structured manganese oxide as a cathodic catalyst for enhanced oxygen reduction in a microbial fuel cell fed with a synthetic wastewater. <i>Water Research</i> , 2010, 44, 5298-5305.	11.3	138
28	Physical and chemical characteristics of granular activated sludge from a sequencing batch airlift reactor. <i>Process Biochemistry</i> , 2005, 40, 645-650.	3.7	137
29	Microbe-Assisted Sulfide Oxidation in the Anode of a Microbial Fuel Cell. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3372-3377.	10.0	137
30	Microbial and Physicochemical Characteristics of Compact Anaerobic Ammonium-Oxidizing Granules in an Upflow Anaerobic Sludge Blanket Reactor. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2652-2656.	3.1	131
31	Stability of sludge flocs under shear conditions: Roles of extracellular polymeric substances (EPS). <i>Biotechnology and Bioengineering</i> , 2006, 93, 1095-1102.	3.3	127
32	Microbial fuel cell driving electrokinetic remediation of toxic metal contaminated soils. <i>Journal of Hazardous Materials</i> , 2016, 318, 9-14.	12.4	125
33	Fractionating soluble microbial products in the activated sludge process. <i>Water Research</i> , 2010, 44, 2292-2302.	11.3	120
34	Conductive Carbon Nanotube Hydrogel as a Bioanode for Enhanced Microbial Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8158-8164.	8.0	118
35	Carbon nanotube/chitosan nanocomposite as a biocompatible biocathode material to enhance the electricity generation of a microbial fuel cell. <i>Energy and Environmental Science</i> , 2011, 4, 1422.	30.8	116
36	Characterizing the extracellular and intracellular fluorescent products of activated sludge in a sequencing batch reactor. <i>Water Research</i> , 2008, 42, 3173-3181.	11.3	115

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37	DLVO Approach to the Flocculability of a Photosynthetic H <sub>2</sub> -Producing Bacterium, <i>Rhodospseudomonas acidophila</i> . <i>Environmental Science &amp; Technology</i> , 2007, 41, 4620-4625.	10.0	114
38	Quantification of the interactions between Ca <sup>2+</sup> , Hg <sup>2+</sup> and extracellular polymeric substances (EPS) of sludge. <i>Chemosphere</i> , 2013, 93, 1436-1441.	8.2	112
39	Anaerobic biodecolorization mechanism of methyl orange by <i>Shewanella oneidensis</i> MR-1. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1769-1776.	3.6	107
40	Nitrate formation from atmospheric nitrogen and oxygen photocatalysed by nano-sized titanium dioxide. <i>Nature Communications</i> , 2013, 4, 2249.	12.8	107
41	Manipulating the hydrogen production from acetate in a microbial electrolysis cell—microbial fuel cell-coupled system. <i>Journal of Power Sources</i> , 2009, 191, 338-343.	7.8	105
42	Roles of extracellular polymeric substances in enhanced biological phosphorus removal process. <i>Water Research</i> , 2015, 86, 85-95.	11.3	103
43	In-situ utilization of generated electricity in an electrochemical membrane bioreactor to mitigate membrane fouling. <i>Water Research</i> , 2013, 47, 5794-5800.	11.3	102
44	A new cathodic electrode deposit with palladium nanoparticles for cost-effective hydrogen production in a microbial electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 2773-2776.	7.1	101
45	Coagulation Kinetics of Humic Aggregates in Mono- and Di-Valent Electrolyte Solutions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 5042-5049.	10.0	100
46	Complete mineralization of perfluorooctanoic acid (PFOA) by <sup>137</sup> Cs-irradiation in aqueous solution. <i>Scientific Reports</i> , 2014, 4, 7418.	3.3	96
47	Light-induced reduction of silver ions to silver nanoparticles in aquatic environments by microbial extracellular polymeric substances (EPS). <i>Water Research</i> , 2016, 106, 242-248.	11.3	96
48	Nitrogen removal from eutrophic water by floating-bed-grown water spinach ( <i>Ipomoea aquatica</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	11.3	90
49	A bio-photoelectrochemical cell with a MoS <sub>3</sub> -modified silicon nanowire photocathode for hydrogen and electricity production. <i>Energy and Environmental Science</i> , 2014, 7, 3033-3039.	30.8	89
50	Nutrient removal and energy production in a urine treatment process using magnesium ammonium phosphate precipitation and a microbial fuel cell technique. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1978.	2.8	85
51	High-sensitivity infrared attenuated total reflectance sensors for in situ multicomponent detection of volatile organic compounds in water. <i>Nature Protocols</i> , 2016, 11, 377-386.	12.0	85
52	Degradation of Organic Pollutants in a Photoelectrocatalytic System Enhanced by a Microbial Fuel Cell. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5575-5580.	10.0	82
53	Redox properties of extracellular polymeric substances (EPS) from electroactive bacteria. <i>Scientific Reports</i> , 2016, 6, 39098.	3.3	81
54	Electricity generation from mixed volatile fatty acids using microbial fuel cells. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 2365-2372.	3.6	80

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55	Lead Toxicity to the Performance, Viability, And Community Composition of Activated Sludge Microorganisms. <i>Environmental Science &amp; Technology</i> , 2015, 49, 824-830.	10.0	80
56	Enhanced Photodegradation of Extracellular Antibiotic Resistance Genes by Dissolved Organic Matter Photosensitization. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10732-10740.	10.0	80
57	Tetracycline exposure shifted microbial communities and enriched antibiotic resistance genes in the aerobic granular sludge. <i>Environment International</i> , 2019, 130, 104902.	10.0	78
58	A Photometric High-Throughput Method for Identification of Electrochemically Active Bacteria Using a WO <sub>3</sub> Nanocluster Probe. <i>Scientific Reports</i> , 2013, 3, 1315.	3.3	76
59	Enhanced nitrogen and phosphorus removal from eutrophic lake water by <i>Ipomoea aquatica</i> with low-energy ion implantation. <i>Water Research</i> , 2009, 43, 1247-1256.	11.3	75
60	Characterization of autotrophic and heterotrophic soluble microbial product (SMP) fractions from activated sludge. <i>Water Research</i> , 2012, 46, 6210-6217.	11.3	73
61	Enhanced electricity production from microbial fuel cells with plasma-modified carbon paper anode. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9966.	2.8	73
62	Integration of a microbial fuel cell with activated sludge process for energy-saving wastewater treatment: Taking a sequencing batch reactor as an example. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1260-1267.	3.3	72
63	Enhancement of methyl orange degradation and power generation in a photoelectrocatalytic microbial fuel cell. <i>Applied Energy</i> , 2017, 204, 382-389.	10.1	71
64	Microbial communities involved in electricity generation from sulfide oxidation in a microbial fuel cell. <i>Biosensors and Bioelectronics</i> , 2010, 26, 470-476.	10.1	70
65	Impact of a static magnetic field on the electricity production of <i>Shewanella</i> -inoculated microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3987-3992.	10.1	69
66	A plate-based electrochromic approach for the high-throughput detection of electrochemically active bacteria. <i>Nature Protocols</i> , 2014, 9, 112-119.	12.0	69
67	A Novel Electrochemical Membrane Bioreactor as a Potential Net Energy Producer for Sustainable Wastewater Treatment. <i>Scientific Reports</i> , 2013, 3, 1864.	3.3	68
68	Different non-radical oxidation processes of persulfate and peroxymonosulfate activation by nitrogen-doped mesoporous carbon. <i>Chinese Chemical Letters</i> , 2020, 31, 2614-2618.	9.0	67
69	FTIR-spectral analysis of two photosynthetic H <sub>2</sub> -producing strains and their extracellular polymeric substances. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 204-210.	3.6	65
70	China's wastewater discharge standards in urbanization. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1422-1431.	5.3	65
71	Operation of a sequencing batch reactor for cultivating autotrophic nitrifying granules. <i>Bioresource Technology</i> , 2010, 101, 2960-2964.	9.6	63
72	A white-rot fungus is used as a biocathode to improve electricity production of a microbial fuel cell. <i>Applied Energy</i> , 2012, 98, 594-596.	10.1	63

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73	Evaluating the influence of process parameters on soluble microbial products formation using response surface methodology coupled with grey relational analysis. <i>Water Research</i> , 2011, 45, 674-680.	11.3	62
74	Quantifying the occurrence and transformation potential of extracellular polymeric substances (EPS)-associated antibiotic resistance genes in activated sludge. <i>Journal of Hazardous Materials</i> , 2021, 408, 124428.	12.4	62
75	Hydrogen production in a light-driven photoelectrochemical cell. <i>Applied Energy</i> , 2014, 113, 164-168.	10.1	61
76	A modeling approach to describe ZVI-based anaerobic system. <i>Water Research</i> , 2013, 47, 6007-6013.	11.3	60
77	Warming increases methylmercury production in an Arctic soil. <i>Environmental Pollution</i> , 2016, 214, 504-509.	7.5	60
78	Quantification and kinetic characterization of soluble microbial products from municipal wastewater treatment plants. <i>Water Research</i> , 2016, 88, 703-710.	11.3	60
79	Mitigated membrane fouling and enhanced removal of extracellular antibiotic resistance genes from wastewater effluent via an integrated pre-coagulation and microfiltration process. <i>Water Research</i> , 2019, 159, 145-152.	11.3	60
80	Monitoring the restart-up of an upflow anaerobic sludge blanket (UASB) reactor for the treatment of a soybean processing wastewater. <i>Bioresource Technology</i> , 2010, 101, 1722-1726.	9.6	59
81	Direct Electricity Recovery from <i>Canna indica</i> by an Air-Cathode Microbial Fuel Cell Inoculated with Rumen Microorganisms. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2715-2720.	10.0	59
82	Quorum quenching is responsible for the underestimated quorum sensing effects in biological wastewater treatment reactors. <i>Bioresource Technology</i> , 2014, 171, 472-476.	9.6	58
83	Anodic Fenton process assisted by a microbial fuel cell for enhanced degradation of organic pollutants. <i>Water Research</i> , 2012, 46, 4371-4378.	11.3	56
84	Species of phosphorus in the extracellular polymeric substances of EBPR sludge. <i>Bioresource Technology</i> , 2013, 142, 714-718.	9.6	56
85	A novel efficient cationic flocculant prepared through grafting two monomers onto chitosan induced by Gamma radiation. <i>RSC Advances</i> , 2012, 2, 494-500.	3.6	55
86	Photochemical reactions between mercury (Hg) and dissolved organic matter decrease Hg bioavailability and methylation. <i>Environmental Pollution</i> , 2017, 220, 1359-1365.	7.5	53
87	An innovative miniature microbial fuel cell fabricated using photolithography. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2841-2846.	10.1	52
88	Advances in the Characterization Methods of Biomass Pyrolysis Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12639-12655.	6.7	51
89	Visible-light-enhanced Cr(VI) reduction at Pd-decorated silicon nanowire photocathode in photoelectrocatalytic microbial fuel cell. <i>Science of the Total Environment</i> , 2018, 639, 1512-1519.	8.0	50
90	Fractional characterization of a bio-oil derived from rice husk. <i>Biomass and Bioenergy</i> , 2011, 35, 671-678.	5.7	49

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91	Synthesis of Layered MnO <sub>2</sub> Nanosheets for Enhanced Oxygen Reduction Reaction Catalytic Activity. <i>Electrochimica Acta</i> , 2014, 132, 239-243.	5.2	49
92	Redox state of microbial extracellular polymeric substances regulates reduction of selenite to elemental selenium accompanying with enhancing microbial detoxification in aquatic environments. <i>Water Research</i> , 2020, 172, 115538.	11.3	49
93	Relationship between the extracellular polymeric substances and surface characteristics of <i>Rhodospseudomonas acidophila</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 126-131.	3.6	48
94	Photomineralization of Effluent Organic Phosphorus to Orthophosphate under Simulated Light Illumination. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4997-5004.	10.0	48
95	Mercury/silver resistance genes and their association with antibiotic resistance genes and microbial community in a municipal wastewater treatment plant. <i>Science of the Total Environment</i> , 2019, 657, 1014-1022.	8.0	48
96	Filtration behaviors and biocake formation mechanism of mesh filters used in membrane bioreactors. <i>Separation and Purification Technology</i> , 2011, 81, 472-479.	7.9	47
97	Enhanced reductive degradation of methyl orange in a microbial fuel cell through cathode modification with redox mediators. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 201-208.	3.6	47
98	Heterotrophs grown on the soluble microbial products (SMP) released by autotrophs are responsible for the nitrogen loss in nitrifying granular sludge. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2844-2852.	3.3	47
99	A pilot investigation into membrane bioreactor using mesh filter for treating low-strength municipal wastewater. <i>Bioresource Technology</i> , 2012, 122, 17-21.	9.6	47
100	Insights into the interactions between triclosan (TCS) and extracellular polymeric substance (EPS) of activated sludge. <i>Journal of Environmental Management</i> , 2019, 232, 219-225.	7.8	47
101	Quantifying the surface characteristics and flocculability of <i>Ralstonia eutropha</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 187-194.	3.6	45
102	Kinetic analysis on the two-step processes of AOB and NOB in aerobic nitrifying granules. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 1159-1169.	3.6	45
103	Superparamagnetic mesoporous ferrite nanocrystal clusters for efficient removal of arsenite from water. <i>CrystEngComm</i> , 2013, 15, 7895.	2.6	45
104	Calcium effect on the metabolic pathway of phosphorus accumulating organisms in enhanced biological phosphorus removal systems. <i>Water Research</i> , 2015, 84, 171-180.	11.3	45
105	In situ formation of NiCoP@phosphate nanocages as an efficient bifunctional electrocatalyst for overall water splitting. <i>Electrochimica Acta</i> , 2020, 337, 135799.	5.2	44
106	Highly efficient removal and detoxification of phenolic compounds using persulfate activated by MnO <sub>x</sub> @OMC: Synergistic mechanism and kinetic analysis. <i>Journal of Hazardous Materials</i> , 2021, 402, 123846.	12.4	44
107	Chitin degradation and electricity generation by <i>Aeromonas hydrophila</i> in microbial fuel cells. <i>Chemosphere</i> , 2017, 168, 293-299.	8.2	43
108	Electricity generation and in situ phosphate recovery from enhanced biological phosphorus removal sludge by electrodialysis membrane bioreactor. <i>Bioresource Technology</i> , 2018, 247, 471-476.	9.6	43

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109	Determination of Chlorinated Hydrocarbons in Water Using Highly Sensitive Mid-Infrared Sensor Technology. <i>Scientific Reports</i> , 2013, 3, 2525.	3.3	42
110	Experimental and Theoretical Demonstrations for the Mechanism behind Enhanced Microbial Electron Transfer by CNT Network. <i>Scientific Reports</i> , 2014, 4, 3732.	3.3	42
111	Denitrification in an integrated bioelectro-photocatalytic system. <i>Water Research</i> , 2017, 109, 88-93.	11.3	42
112	Kinetics and thermodynamics of interaction between sulfonamide antibiotics and humic acids: Surface plasmon resonance and isothermal titration microcalorimetry analysis. <i>Journal of Hazardous Materials</i> , 2016, 302, 262-266.	12.4	41
113	Robust performance of a novel anaerobic biofilm membrane bioreactor with mesh filter and carbon fiber (ABMBR) for low to high strength wastewater treatment. <i>Chemical Engineering Journal</i> , 2017, 313, 56-64.	12.7	41
114	Microbial extracellular polymeric substances (EPS) acted as a potential reservoir in responding to high concentrations of sulfonamides shocks during biological wastewater treatment. <i>Bioresource Technology</i> , 2020, 313, 123654.	9.6	40
115	Tracking the activity of the Anammox-DAMO process using excitation-emission matrix (EEM) fluorescence spectroscopy. <i>Water Research</i> , 2017, 122, 624-632.	11.3	38
116	Formation of extracellular polymeric substances from acidogenic sludge in H <sub>2</sub> -producing process. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 208-214.	3.6	37
117	Rapid and accurate determination of VFAs and ethanol in the effluent of an anaerobic H <sub>2</sub> -producing bioreactor using near-infrared spectroscopy. <i>Water Research</i> , 2009, 43, 1823-1830.	11.3	37
118	Integration of aerobic granular sludge and mesh filter membrane bioreactor for cost-effective wastewater treatment. <i>Bioresource Technology</i> , 2012, 122, 22-26.	9.6	37
119	Evaluation on factors influencing the heterotrophic growth on the soluble microbial products of autotrophs. <i>Biotechnology and Bioengineering</i> , 2011, 108, 804-812.	3.3	35
120	Anaerobic reduction of 2,6-dinitrotoluene by <i>Shewanella oneidensis</i> : Roles of Mtr respiratory pathway and NfnB. <i>Biotechnology and Bioengineering</i> , 2017, 114, 761-768.	3.3	35
121	Reversing Electron Transfer Chain for Light-Driven Hydrogen Production in Biotic-Abiotic Hybrid Systems. <i>Journal of the American Chemical Society</i> , 2022, 144, 6434-6441.	13.7	35
122	In-situ biogas sparging enhances the performance of an anaerobic membrane bioreactor (AnMBR) with mesh filter in low-strength wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6081-6089.	3.6	33
123	In situ utilization of generated electricity for nutrient recovery in urine treatment using a selective electro dialysis membrane bioreactor. <i>Chemical Engineering Science</i> , 2017, 171, 451-458.	3.8	33
124	Application of membrane bioreactor for sulfamethazine-contained wastewater treatment. <i>Chemosphere</i> , 2018, 193, 840-846.	8.2	33
125	Novel Online Monitoring and Alert System for Anaerobic Digestion Reactors. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9093-9100.	10.0	31
126	Hydrogen production from propionate in a biocatalyzed system with in-situ utilization of the electricity generated from a microbial fuel cell. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 378-382.	3.9	30



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127	Characterizing the interactions between polycyclic aromatic hydrocarbons and fulvic acids in water. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2220-2225.	5.3	30
128	Phenothiazine Derivative-Accelerated Microbial Extracellular Electron Transfer in Bioelectrochemical System. <i>Scientific Reports</i> , 2013, 3, 1616.	3.3	30
129	Determination of autoinducer-2 in biological samples by high-performance liquid chromatography with fluorescence detection using pre-column derivatization. <i>Journal of Chromatography A</i> , 2014, 1361, 162-168.	3.7	30
130	Silver nanoparticles formation by extracellular polymeric substances (EPS) from electroactive bacteria. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8627-8633.	5.3	30
131	Quantitative determination of AI-2 quorum-sensing signal of bacteria using high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Environmental Sciences</i> , 2017, 52, 204-209.	6.1	30
132	Impact of heavy metals on the formation and properties of solvable microbiological products released from activated sludge in biological wastewater treatment. <i>Water Research</i> , 2020, 179, 115895.	11.3	30
133	Stability of sludge flocs under shear conditions. <i>Biochemical Engineering Journal</i> , 2008, 38, 302-308.	3.6	29
134	Antibiotic resistance and microbiota in the gut of Chinese four major freshwater carp from retail markets. <i>Environmental Pollution</i> , 2019, 255, 113327.	7.5	29
135	Uptake, accumulation and metabolization of 1-butyl-3-methylimidazolium bromide by ryegrass from water: Prospects for phytoremediation. <i>Water Research</i> , 2019, 156, 82-91.	11.3	29
136	Photoautotrophic cathodic oxygen reduction catalyzed by a green alga, <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology and Bioengineering</i> , 2013, 110, 173-179.	3.3	28
137	Developing a solar photothermal method for peroxydisulfate activation for water purification: Taking degradation of sulfamethoxazole as an example. <i>Chemical Engineering Journal</i> , 2021, 403, 126324.	12.7	28
138	A rapid quantitative method for humic substances determination in natural waters. <i>Analytica Chimica Acta</i> , 2007, 592, 162-167.	5.4	27
139	Enhancement of nitrogen and phosphorus removal from eutrophic water by economic plant annual ryegrass ( <i>Lolium multiflorum</i> ) with ion implantation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9617-9625.	5.3	27
140	Thermal/alkaline pretreatment of waste activated sludge combined with a microbial fuel cell operated at alkaline pH for efficient energy recovery. <i>Applied Energy</i> , 2020, 275, 115291.	10.1	27
141	Molecular insight into the variation of dissolved organic phosphorus in a wastewater treatment plant. <i>Water Research</i> , 2021, 203, 117529.	11.3	27
142	Coexistence of silver ion and tetracycline at environmentally relevant concentrations greatly enhanced antibiotic resistance gene development in activated sludge bioreactor. <i>Journal of Hazardous Materials</i> , 2022, 423, 127088.	12.4	27
143	Chemical-Equilibrium-Based Model for Describing the Strength of Sludge: Taking Hydrogen-Producing Sludge as an Example. <i>Environmental Science &amp; Technology</i> , 2006, 40, 1280-1285.	10.0	26
144	Fluorescence spectral characteristics of the supernatants from an anaerobic hydrogen-producing bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 217-224.	3.6	26

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145	Concentration- and nutrient-dependent cellular responses of microalgae <i>Chlorella pyrenoidosa</i> to perfluorooctanoic acid. <i>Water Research</i> , 2020, 185, 116248.	11.3	26
146	Determination of proteins and carbohydrates in the effluents from wastewater treatment bioreactors using resonance light-scattering method. <i>Water Research</i> , 2008, 42, 3464-3472.	11.3	25
147	Improving electricity generation and substrate removal of a MFC-SBR system through optimization of COD loading distribution. <i>Biochemical Engineering Journal</i> , 2014, 85, 15-20.	3.6	25
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