

Guo-Ping Sheng

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211
papers

12,528
citations

58
h-index

105
g-index

218
ext. papers

14,535
ext. citations

9.4
avg, IF

6.74
L-index

#	Paper	IF	Citations
211	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	12.8	1
210	Nitrogen and phosphorous recycling from human urine by household electrochemical fixed bed in sparsely populated regions.. <i>Water Research</i> , 2022 , 218, 118467	12.5	2
209	Extracellular polymeric substances (EPS) associated extracellular antibiotic resistance genes in activated sludge along the AAO process: Distribution and microbial secretors. <i>Science of the Total Environment</i> , 2021 , 816, 151575	10.2	1
208	Selectively Tracking Nanoparticles in Aquatic Plant Using Core-Shell Nanoparticle-Enhanced Raman Spectroscopy Imaging. <i>ACS Nano</i> , 2021 ,	16.7	2
207	In-situ alkaline pretreatment of waste activated sludge in microbial fuel cell enhanced power production. <i>Journal of Power Sources</i> , 2021 , 491, 229616	8.9	2
206	Undiscovered Multiple Roles of Multivalent Cations in the Pollutant Removal from Actual Water by Persulfate Activated by Carbon Materials. <i>ACS ES&T Engineering</i> , 2021 , 1, 1227-1235		3
205	Chemical speciation of ciprofloxacin in aqueous solution regulates its phytotoxicity and uptake by rice (<i>Oryza sativa</i> L.). <i>Science of the Total Environment</i> , 2021 , 771, 144787	10.2	5
204	Haloarchaea, excellent candidates for removing pollutants from hypersaline wastewater. <i>Trends in Biotechnology</i> , 2021 ,	15.1	3
203	Alkyl chain length affecting uptake of imidazolium based ionic liquids by ryegrass (<i>Lolium perenne</i> L.). <i>Journal of Hazardous Materials</i> , 2021 , 401, 123376	12.8	9
202	Highly efficient removal and detoxification of phenolic compounds using persulfate activated by MnO@OMC: Synergistic mechanism and kinetic analysis. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123846	12.8	16
201	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	12.8	23
200	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	14.7	12
199	Activating peroxydisulfate with Co ₃ O ₄ /NiCo ₂ O ₄ double-shelled nanocages to selectively degrade bisphenol A via a nonradical oxidation process. <i>Applied Catalysis B: Environmental</i> , 2021 , 282, 119585	21.8	54
198	Evaluating the effect of gradient applied voltages on antibiotic resistance genes proliferation and biogas production in anaerobic electrochemical membrane bioreactor. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125865	12.8	1
197	Molecular insight into the variation of dissolved organic phosphorus in a wastewater treatment plant. <i>Water Research</i> , 2021 , 203, 117529	12.5	8
196	Immobilizing enzyme-like ligand in the ultrafiltration membrane to remove the micropollutant for the ultrafast water purification. <i>Journal of Membrane Science</i> , 2021 , 636, 119566	9.6	2
195	Evaluating the interaction of soil microorganisms and gut of soil fauna on the fate and spread of antibiotic resistance genes in digested sludge-amended soil ecosystem. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126672	12.8	4

194	Synchronous reduction-oxidation of 2,4,6-tribromophenol using bifunctional AgPd@CDs in a three dimensional electrochemical reactor. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120467	21.8	1
193	Coating ligand-mediated dynamic formation of natural organic matter (NOM) corona on engineered nanoparticles in natural environments. <i>Environmental Science: Nano</i> , 2021 , 8, 1029-1041	7.1	4
192	Dissolved organic matter dominating the photodegradation of free DNA bases in aquatic environments. <i>Water Research</i> , 2020 , 179, 115885	12.5	7
191	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	12.5	15
190	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	11	22
189	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	12.5	24
188	Unrecognized Contributions of Dissolved Organic Matter Inducing Photodamages to the Decay of Extracellular DNA in Waters. <i>Environmental Science & Technology</i> , 2020 , 54, 1614-1622	10.3	7
187	In situ formation of NiCoP@phosphate nanocages as an efficient bifunctional electrocatalyst for overall water splitting. <i>Electrochimica Acta</i> , 2020 , 337, 135799	6.7	23
186	Degradation and mineralization of 2-chlorophenol in a single-stage anaerobic fixed-bed bioreactor. <i>Science China Technological Sciences</i> , 2020 , 63, 86-95	3.5	6
185	Mixture toxicity and uptake of 1-butyl-3-methylimidazolium bromide and cadmium co-contaminants in water by perennial ryegrass (<i>Lolium perenne</i> L.). <i>Journal of Hazardous Materials</i> , 2020 , 386, 121972	12.8	16
184	Phosphorus-Accumulating Organism Assisted Phosphorization of Ni-Fe Nanocomposites for Efficient Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11456-11464	8.3	1
183	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	10.7	14
182	Concentration- and nutrient-dependent cellular responses of microalgae <i>Chlorella pyrenoidosa</i> to perfluorooctanoic acid. <i>Water Research</i> , 2020 , 185, 116248	12.5	9
181	Different non-radical oxidation processes of persulfate and peroxymonosulfate activation by nitrogen-doped mesoporous carbon. <i>Chinese Chemical Letters</i> , 2020 , 31, 2614-2618	8.1	27
180	Enhanced Photodegradation of Extracellular Antibiotic Resistance Genes by Dissolved Organic Matter Photosensitization. <i>Environmental Science & Technology</i> , 2019 , 53, 10732-10740	10.3	37
179	Antibiotic resistance and microbiota in the gut of Chinese four major freshwater carp from retail markets. <i>Environmental Pollution</i> , 2019 , 255, 113327	9.3	15
178	Tetracycline exposure shifted microbial communities and enriched antibiotic resistance genes in the aerobic granular sludge. <i>Environment International</i> , 2019 , 130, 104902	12.9	44
177	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	12.5	37

176	Accurately quantifying the reductive capacity of microbial extracellular polymeric substance by mediated electrochemical oxidation method. <i>Science of the Total Environment</i> , 2019 , 673, 541-545	10.2	6
175	Photomineralization of Effluent Organic Phosphorus to Orthophosphate under Simulated Light Illumination. <i>Environmental Science & Technology</i> , 2019 , 53, 4997-5004	10.3	22
174	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	12.5	18
173	Long-term impact of heavy metals on the performance of biological wastewater treatment processes during shock-adaptation-restoration phases. <i>Journal of Hazardous Materials</i> , 2019 , 373, 152-159	12.8	9
172	Degradation and detoxification of 1-butyl-3-methylimidazolium bromide by irradiation in aqueous solution. <i>Chemical Engineering Journal</i> , 2019 , 364, 440-447	14.7	5
171	A novel pathway for the anaerobic biotransformation of microcystin-LR using enrichment cultures. <i>Environmental Pollution</i> , 2019 , 247, 1064-1070	9.3	11
170	Advances in the Characterization Methods of Biomass Pyrolysis Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 12639-12655	8.3	35
169	Co-doping polymethyl methacrylate and copper tailings to improve the performances of sludge-derived particle electrode. <i>Water Research</i> , 2019 , 165, 115016	12.5	11
168	Synergistic Effect of Permanganate and in Situ Synthesized Hydrated Manganese Oxide for Removing Antibiotic Resistance Genes from Wastewater Treatment Plant Effluent. <i>Environmental Science & Technology</i> , 2019 , 53, 13374-13381	10.3	11
167	Spectroscopic insights into photochemical transformation of effluent organic matter from biological wastewater treatment plants. <i>Science of the Total Environment</i> , 2019 , 649, 1260-1268	10.2	16
166	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	10.3	28
165	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	7.9	24
164	Electricity generation and in situ phosphate recovery from enhanced biological phosphorus removal sludge by electro dialysis membrane bioreactor. <i>Bioresour Technol</i> , 2018 , 247, 471-476	11	33
163	Application of membrane bioreactor for sulfamethazine-contained wastewater treatment. <i>Chemosphere</i> , 2018 , 193, 840-846	8.4	26
162	Effective flocculation of <i>Microcystis aeruginosa</i> with simultaneous nutrient precipitation from hydrolyzed human urine. <i>Chemosphere</i> , 2018 , 193, 472-478	8.4	16
161	Rapidly probing the interaction between sulfamethazine antibiotics and fulvic acids. <i>Environmental Pollution</i> , 2018 , 243, 752-757	9.3	8
160	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	10.2	34
159	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	6.4	15

158	Removal of antibiotic resistance genes from wastewater treatment plant effluent by coagulation. <i>Water Research</i> , 2017 , 111, 204-212	12.5	167
157	Probing the redox process of p-benzoquinone in dimethyl sulphoxide by using fluorescence spectroelectrochemistry. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1	5.8	8
156	Tracking the activity of the Anammox-DAMO process using excitation-emission matrix (EEM) fluorescence spectroscopy. <i>Water Research</i> , 2017 , 122, 624-632	12.5	28
155	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	4.4	24
154	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	14.7	34
153	Enhancement of methyl orange degradation and power generation in a photoelectrocatalytic microbial fuel cell. <i>Applied Energy</i> , 2017 , 204, 382-389	10.7	55
152	Probing the biotransformation of hematite nanoparticles and magnetite formation mediated by <i>Shewanella oneidensis</i> MR-1 at the molecular scale. <i>Environmental Science: Nano</i> , 2017 , 4, 2395-2404	7.1	16
151	Chitin degradation and electricity generation by <i>Aeromonas hydrophila</i> in microbial fuel cells. <i>Chemosphere</i> , 2017 , 168, 293-299	8.4	32
150	Photochemical reactions between mercury (Hg) and dissolved organic matter decrease Hg bioavailability and methylation. <i>Environmental Pollution</i> , 2017 , 220, 1359-1365	9.3	30
149	Denitrification in an integrated bioelectro-photocatalytic system. <i>Water Research</i> , 2017 , 109, 88-93	12.5	36
148	Anaerobic reduction of 2,6-dinitrotoluene by <i>Shewanella oneidensis</i> MR-1: Roles of Mtr respiratory pathway and NfnB. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 761-768	4.9	29
147	Approaching the binding between Cu(II) and aerobic granules by a modified titration and μ -XRF. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 362-367	5.8	8
146	Multiple response optimization of the coagulation process for upgrading the quality of effluent from municipal wastewater treatment plant. <i>Scientific Reports</i> , 2016 , 6, 26115	4.9	13
145	Microbial fuel cell driving electrokinetic remediation of toxic metal contaminated soils. <i>Journal of Hazardous Materials</i> , 2016 , 318, 9-14	12.8	88
144	Warming increases methylmercury production in an Arctic soil. <i>Environmental Pollution</i> , 2016 , 214, 504-509	9.3	40
143	High-sensitivity infrared attenuated total reflectance sensors for in situ multicomponent detection of volatile organic compounds in water. <i>Nature Protocols</i> , 2016 , 11, 377-86	18.8	59
142	Quantification and kinetic characterization of soluble microbial products from municipal wastewater treatment plants. <i>Water Research</i> , 2016 , 88, 703-710	12.5	50
141	Silver nanoparticles formation by extracellular polymeric substances (EPS) from electroactive bacteria. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8627-33	5.1	20

140	Bioelectrochemical Chromium(VI) Removal in Plant-Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2016 , 50, 3882-9	10.3	153
139	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	12.8	27
138	Experimental and Theoretical Approaches for the Surface Interaction between Copper and Activated Sludge Microorganisms at Molecular Scale 2016 , 3-22		
137	Redox properties of extracellular polymeric substances (EPS) from electroactive bacteria. <i>Scientific Reports</i> , 2016 , 6, 39098	4.9	55
136	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, 6081-9	5.7	26
135	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, 11-8	12.8	177
134	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	12.5	72
133	Calcium effect on the metabolic pathway of phosphorus accumulating organisms in enhanced biological phosphorus removal systems. <i>Water Research</i> , 2015 , 84, 171-80	12.5	32
132	Fluorescence approach for investigating binding properties between metals and soluble microbial products from a biological wastewater treatment plant. <i>Process Biochemistry</i> , 2015 , 50, 636-642	4.8	12
131	Application of a weak magnetic field to improve microbial fuel cell performance. <i>Ecotoxicology</i> , 2015 , 24, 2175-80	2.9	17
130	Quantitative evaluation of noncovalent interactions between polyphosphate and dissolved humic acids in aqueous conditions. <i>Environmental Pollution</i> , 2015 , 207, 123-9	9.3	6
129	Roles of extracellular polymeric substances in enhanced biological phosphorus removal process. <i>Water Research</i> , 2015 , 86, 85-95	12.5	72
128	Development of an energy-saving anaerobic hybrid membrane bioreactors for 2-chlorophenol-contained wastewater treatment. <i>Chemosphere</i> , 2015 , 140, 79-84	8.4	18
127	Simultaneous effective carbon and nitrogen removals and phosphorus recovery in an intermittently aerated membrane bioreactor integrated system. <i>Scientific Reports</i> , 2015 , 5, 16281	4.9	6
126	Spectroscopic characterization of the complexes between Fe/Mn and natural organic matters by electron paramagnetic resonance and synchrotron-based techniques. <i>Ecotoxicology</i> , 2015 , 24, 2207-12	2.9	12
125	Hydrodynamics of an electrochemical membrane bioreactor. <i>Scientific Reports</i> , 2015 , 5, 10387	4.9	18
124	Lead toxicity to the performance, viability, and community composition of activated sludge microorganisms. <i>Environmental Science & Technology</i> , 2015 , 49, 824-30	10.3	66
123	Self-Driven Bioelectrochemical Mineralization of Azobenzene by Coupling Cathodic Reduction with Anodic Intermediate Oxidation. <i>Electrochimica Acta</i> , 2015 , 154, 294-299	6.7	9

122	FTIR and synchronous fluorescence heterospectral two-dimensional correlation analyses on the binding characteristics of copper onto dissolved organic matter. <i>Environmental Science & Technology</i> , 2015 , 49, 2052-8	10.3	264
121	Experimental and theoretical demonstrations for the mechanism behind enhanced microbial electron transfer by CNT network. <i>Scientific Reports</i> , 2014 , 4, 3732	4.9	36
120	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, 9617-25	5.1	23
119	A plate-based electrochromic approach for the high-throughput detection of electrochemically active bacteria. <i>Nature Protocols</i> , 2014 , 9, 112-9	18.8	45
118	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, 162-8	4.5	26
117	A bio-photoelectrochemical cell with a MoS ₃ -modified silicon nanowire photocathode for hydrogen and electricity production. <i>Energy and Environmental Science</i> , 2014 , 7, 3033-3039	35.4	75
116	Polyethylenimine modified biochar adsorbent for hexavalent chromium removal from the aqueous solution. <i>Bioresource Technology</i> , 2014 , 169, 403-408	11	250
115	Quorum quenching is responsible for the underestimated quorum sensing effects in biological wastewater treatment reactors. <i>Bioresource Technology</i> , 2014 , 171, 472-6	11	43
114	Conductive carbon nanotube hydrogel as a bioanode for enhanced microbial electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8158-64	9.5	100
113	Synthesis of Layered MnO ₂ Nanosheets for Enhanced Oxygen Reduction Reaction Catalytic Activity. <i>Electrochimica Acta</i> , 2014 , 132, 239-243	6.7	41
112	Complete mineralization of perfluorooctanoic acid (PFOA) by γ irradiation in aqueous solution. <i>Scientific Reports</i> , 2014 , 4, 7418	4.9	55
111	Experimental and theoretical approaches for the surface interaction between copper and activated sludge microorganisms at molecular scale. <i>Scientific Reports</i> , 2014 , 4, 7078	4.9	19
110	An MFC-based online monitoring and alert system for activated sludge process. <i>Scientific Reports</i> , 2014 , 4, 6779	4.9	10
109	Improving electricity generation and substrate removal of a MFC \square BBR system through optimization of COD loading distribution. <i>Biochemical Engineering Journal</i> , 2014 , 85, 15-20	4.2	22
108	Hydrogen production in a light-driven photoelectrochemical cell. <i>Applied Energy</i> , 2014 , 113, 164-168	10.7	53
107	Nitrate formation from atmospheric nitrogen and oxygen photocatalysed by nano-sized titanium dioxide. <i>Nature Communications</i> , 2013 , 4, 2249	17.4	73
106	Electricity Generation from Food Industry Wastewater Using Microbial Fuel Cell Technology 2013 , 249-261		2
105	Characterizing the interactions between polycyclic aromatic hydrocarbons and fulvic acids in water. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 2220-5	5.1	25

104	Phosphorus removal in an enhanced biological phosphorus removal process: roles of extracellular polymeric substances. <i>Environmental Science & Technology</i> , 2013 , 47, 11482-9	10.3	129
103	Quantification of the interactions between Ca ²⁺ , Hg ²⁺ and extracellular polymeric substances (EPS) of sludge. <i>Chemosphere</i> , 2013 , 93, 1436-41	8.4	80
102	Superparamagnetic mesoporous ferrite nanocrystal clusters for efficient removal of arsenite from water. <i>CrystEngComm</i> , 2013 , 15, 7895	3.3	36
101	Thermodynamic analysis on the binding of heavy metals onto extracellular polymeric substances (EPS) of activated sludge. <i>Water Research</i> , 2013 , 47, 607-14	12.5	230
100	Determination of chlorinated hydrocarbons in water using highly sensitive mid-infrared sensor technology. <i>Scientific Reports</i> , 2013 , 3, 2525	4.9	33
99	In-situ utilization of generated electricity in an electrochemical membrane bioreactor to mitigate membrane fouling. <i>Water Research</i> , 2013 , 47, 5794-800	12.5	88
98	Species of phosphorus in the extracellular polymeric substances of EBPR sludge. <i>Bioresource Technology</i> , 2013 , 142, 714-8	11	42
97	Titelbild: IR-ATR Chemical Sensors Based on Planar Silver Halide Waveguides Coated with an Ethylene/Propylene Copolymer for Detection of Multiple Organic Contaminants in Water (Angew. Chem. 8/2013). <i>Angewandte Chemie</i> , 2013 , 125, 2183-2183	3.6	
96	Phenothiazine derivative-accelerated microbial extracellular electron transfer in bioelectrochemical system. <i>Scientific Reports</i> , 2013 , 3, 1616	4.9	24
95	Simultaneous carbon and nitrogen removals in membrane bioreactor with mesh filter: An experimental and modeling approach. <i>Chemical Engineering Science</i> , 2013 , 95, 78-84	4.4	13
94	Roles of extracellular polymeric substances (EPS) in the migration and removal of sulfamethazine in activated sludge system. <i>Water Research</i> , 2013 , 47, 5298-306	12.5	183
93	Electricity generation from dissolved organic matter in polluted lake water using a microbial fuel cell (MFC). <i>Biochemical Engineering Journal</i> , 2013 , 71, 57-61	4.2	21
92	Coagulation kinetics of humic aggregates in mono- and di-valent electrolyte solutions. <i>Environmental Science & Technology</i> , 2013 , 47, 5042-9	10.3	81
91	A modeling approach to describe ZVI-based anaerobic system. <i>Water Research</i> , 2013 , 47, 6007-13	12.5	51
90	Photoautotrophic cathodic oxygen reduction catalyzed by a green alga, <i>Chlamydomonas reinhardtii</i> . <i>Biotechnology and Bioengineering</i> , 2013 , 110, 173-9	4.9	26
89	A photometric high-throughput method for identification of electrochemically active bacteria using a WO ₃ nanocluster probe. <i>Scientific Reports</i> , 2013 , 3, 1315	4.9	60
88	A novel electrochemical membrane bioreactor as a potential net energy producer for sustainable wastewater treatment. <i>Scientific Reports</i> , 2013 , 3, 1864	4.9	56
87	IR-ATR Chemical Sensors Based on Planar Silver Halide Waveguides Coated with an Ethylene/Propylene Copolymer for Detection of Multiple Organic Contaminants in Water. <i>Angewandte Chemie</i> , 2013 , 125, 2321-2324	3.6	5

86	Evaluation of the stability of hydrogen production and microbial diversity by anaerobic sludge with chloroform treatment. <i>Renewable Energy</i> , 2012 , 38, 253-257	8.1	18
85	A dead-end filtration method to rapidly and quantitatively evaluate the fouling resistance of nylon mesh for membrane bioreactors. <i>Separation and Purification Technology</i> , 2012 , 89, 107-111	8.3	15
84	Anaerobic biodecolorization mechanism of methyl orange by <i>Shewanella oneidensis</i> MR-1. <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 1769-76	5.7	87
83	Characterization of autotrophic and heterotrophic soluble microbial product (SMP) fractions from activated sludge. <i>Water Research</i> , 2012 , 46, 6210-7	12.5	65
82	A novel efficient cationic flocculant prepared through grafting two monomers onto chitosan induced by Gamma radiation. <i>RSC Advances</i> , 2012 , 2, 494-500	3.7	48
81	Enhanced electricity production from microbial fuel cells with plasma-modified carbon paper anode. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 9966-71	3.6	61
80	Fouling of proton exchange membrane (PEM) deteriorates the performance of microbial fuel cell. <i>Water Research</i> , 2012 , 46, 1817-24	12.5	215
79	Spatial configuration of extracellular polymeric substances of <i>Bacillus megaterium</i> TF10 in aqueous solution. <i>Water Research</i> , 2012 , 46, 3490-6	12.5	16
78	Anodic Fenton process assisted by a microbial fuel cell for enhanced degradation of organic pollutants. <i>Water Research</i> , 2012 , 46, 4371-8	12.5	47
77	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	10.7	58
76	A microbial fuel cell-membrane bioreactor integrated system for cost-effective wastewater treatment. <i>Applied Energy</i> , 2012 , 98, 230-235	10.7	132
75	Integration of aerobic granular sludge and mesh filter membrane bioreactor for cost-effective wastewater treatment. <i>Bioresource Technology</i> , 2012 , 122, 22-6	11	33
74	A pilot investigation into membrane bioreactor using mesh filter for treating low-strength municipal wastewater. <i>Bioresource Technology</i> , 2012 , 122, 17-21	11	40
73	pH dependence of structure and surface properties of microbial EPS. <i>Environmental Science & Technology</i> , 2012 , 46, 737-44	10.3	171
72	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, 1978-84	3.6	69
71	China's wastewater discharge standards in urbanization: evolution, challenges and implications. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 1422-31	5.1	41
70	Determination of main components in the extracellular polymeric substances extracted from activated sludge using a spectral probing method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 94, 151-6	6	4
69	Microbial fuel cells in power generation and extended applications. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2012 , 128, 165-97	1.7	7

68	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	35.4	100
67	Development of a novel bioelectrochemical membrane reactor for wastewater treatment. <i>Environmental Science & Technology</i> , 2011 , 45, 9256-61	10.3	146
66	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, 674-80	12.5	54
65	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 & Technology</i> , 2011 , 45, 1152-7	10.3	181
64	Filtration behaviors and biocake formation mechanism of mesh filters used in membrane bioreactors. <i>Separation and Purification Technology</i> , 2011 , 81, 472-479	8.3	42
63	Fluorescence spectral characteristics of the supernatants from an anaerobic hydrogen-producing bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 217-24	5.7	25
62	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, 201-8	5.7	41
61	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, 3987-92	11.8	56
60	Experimental and numerical analysis of the hydrodynamic behaviors of aerobic granules. <i>AIChE Journal</i> , 2011 , 57, 2909-2916	3.6	8
59	Evaluation on factors influencing the heterotrophic growth on the soluble microbial products of autotrophs. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 804-12	4.9	31
58	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, 1260-7	4.9	67
57	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, 2844-52	4.9	35
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