

Guo-Ping Sheng

List of Publications by Year in descending order

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Version: 2024-02-01

215
papers

16,453
citations

15504

65
h-index

18130

120
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218
all docs

218
docs citations

218
times ranked

13486
citing authors

#	ARTICLE	IF	CITATIONS
1	Haloarchaea, excellent candidates for removing pollutants from hypersaline wastewater. Trends in Biotechnology, 2022, 40, 226-239.	9.3	25
2	Coexistence of silver ion and tetracycline at environmentally relevant concentrations greatly enhanced antibiotic resistance gene development in activated sludge bioreactor. Journal of Hazardous Materials, 2022, 423, 127088.	12.4	27
3	Extracellular polymeric substances (EPS) associated extracellular antibiotic resistance genes in activated sludge along the AAO process: Distribution and microbial secretors. Science of the Total Environment, 2022, 816, 151575.	8.0	25
4	Photothermal Nanoconfinement Reactor: Boosting Chemical Reactivity with Locally High Temperature in a Confined Space. Angewandte Chemie, 2022, 134, .	2.0	4
5	Photothermal Nanoconfinement Reactor: Boosting Chemical Reactivity with Locally High Temperature in a Confined Space. Angewandte Chemie - International Edition, 2022, 61, .	13.8	13
6	Observing the Biologically Induced Phosphate Precipitation by Sludge Extracellular Polymeric Substances in Enhanced Biological Phosphorus Removal. ACS ES&T Engineering, 2022, 2, 1514-1522.	7.6	4
7	Reversing Electron Transfer Chain for Light-Driven Hydrogen Production in Biotic-Abiotic Hybrid Systems. Journal of the American Chemical Society, 2022, 144, 6434-6441.	13.7	35
8	Nitrogen and phosphorous recycling from human urine by household electrochemical fixed bed in sparsely populated regions. Water Research, 2022, 218, 118467.	11.3	9
9	Revealing Dissolved Organic Nitrogen Transformation and Microbial Evolution at Microscale in a Solid Carbon Source-Coordinated Simultaneous Partial Nitrification, Anammox, and Denitrification Bioreactor. ACS ES&T Engineering, 2022, 2, 2066-2075.	7.6	3
10	Alkyl chain length affecting uptake of imidazolium based ionic liquids by ryegrass (Lolium perenne L.). Journal of Hazardous Materials, 2021, 401, 123376.	12.4	16
11	Highly efficient removal and detoxification of phenolic compounds using persulfate activated by MnOx@OMC: Synergistic mechanism and kinetic analysis. Journal of Hazardous Materials, 2021, 402, 123846.	12.4	44
12	Quantifying the occurrence and transformation potential of extracellular polymeric substances (EPS)-associated antibiotic resistance genes in activated sludge. Journal of Hazardous Materials, 2021, 408, 124428.	12.4	62
13	Developing a solar photothermal method for peroxydisulfate activation for water purification: Taking degradation of sulfamethoxazole as an example. Chemical Engineering Journal, 2021, 403, 126324.	12.7	28
14	Activating peroxydisulfate with Co3O4/NiCo2O4 double-shelled nanocages to selectively degrade bisphenol A – A nonradical oxidation process. Applied Catalysis B: Environmental, 2021, 282, 119585.	20.2	158
15	In-situ alkaline pretreatment of waste activated sludge in microbial fuel cell enhanced power production. Journal of Power Sources, 2021, 491, 229616.	7.8	5
16	Undiscovered Multiple Roles of Multivalent Cations in the Pollutant Removal from Actual Water by Persulfate Activated by Carbon Materials. ACS ES&T Engineering, 2021, 1, 1227-1235.	7.6	17
17	Chemical speciation of ciprofloxacin in aqueous solution regulates its phytotoxicity and uptake by rice (Oryza sativa L.). Science of the Total Environment, 2021, 771, 144787.	8.0	20
18	Evaluating the effect of gradient applied voltages on antibiotic resistance genes proliferation and biogas production in anaerobic electrochemical membrane bioreactor. Journal of Hazardous Materials, 2021, 416, 125865.	12.4	14

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19	Molecular insight into the variation of dissolved organic phosphorus in a wastewater treatment plant. <i>Water Research</i> , 2021, 203, 117529.	11.3	27
20	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.	8.2	10
21	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.	12.4	18
22	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.	20.2	12
23	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.	4.3	8
24	Selectively Tracking Nanoparticles in Aquatic Plant Using Core-Shell Nanoparticle-Enhanced Raman Spectroscopy Imaging. <i>ACS Nano</i> , 2021, 15, 19828-19837.	14.6	12
25	Degradation and mineralization of 2-chlorophenol in a single-stage anaerobic fixed-bed bioreactor. <i>Science China Technological Sciences</i> , 2020, 63, 86-95.	4.0	6
26	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.	12.4	23
27	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.	6.7	9
28	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
29	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
30	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
31	Dissolved organic matter dominating the photodegradation of free DNA bases in aquatic environments. <i>Water Research</i> , 2020, 179, 115885.	11.3	24
32	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
33	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
34	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
35	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.	10.0	24
36	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

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37	Advances in the Characterization Methods of Biomass Pyrolysis Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12639-12655.	6.7	51
38	Co-doping polymethyl methacrylate and copper tailings to improve the performances of sludge-derived particle electrode. <i>Water Research</i> , 2019, 165, 115016.	11.3	24
39	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.	10.0	20
40	Enhanced Photodegradation of Extracellular Antibiotic Resistance Genes by Dissolved Organic Matter Photosensitization. <i>Environmental Science & Technology</i> , 2019, 53, 10732-10740.	10.0	80
41	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
42	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
43	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
44	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.	8.0	11
45	Photomineralization of Effluent Organic Phosphorus to Orthophosphate under Simulated Light Illumination. <i>Environmental Science & Technology</i> , 2019, 53, 4997-5004.	10.0	48
46	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
47	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.	12.4	20
48	Degradation and detoxification of 1-butyl-3-methylimidazolium bromide by γ -irradiation in aqueous solution. <i>Chemical Engineering Journal</i> , 2019, 364, 440-447.	12.7	11
49	A novel pathway for the anaerobic biotransformation of microcystin-LR using enrichment cultures. <i>Environmental Pollution</i> , 2019, 247, 1064-1070.	7.5	16
50	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.	8.0	25
51	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
52	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
53	Electricity generation and in situ phosphate recovery from enhanced biological phosphorus removal sludge by electro dialysis membrane bioreactor. <i>Bioresource Technology</i> , 2018, 247, 471-476.	9.6	43
54	Application of membrane bioreactor for sulfamethazine-contained wastewater treatment. <i>Chemosphere</i> , 2018, 193, 840-846.	8.2	33

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55	Effective flocculation of <i>Microcystis aeruginosa</i> with simultaneous nutrient precipitation from hydrolyzed human urine. <i>Chemosphere</i> , 2018, 193, 472-478.	8.2	18
56	Rapidly probing the interaction between sulfamethazine antibiotics and fulvic acids. <i>Environmental Pollution</i> , 2018, 243, 752-757.	7.5	21
57	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
58	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
59	Removal of antibiotic resistance genes from wastewater treatment plant effluent by coagulation. <i>Water Research</i> , 2017, 111, 204-212.	11.3	219
60	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.	6.0	11
61	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
62	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
63	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
64	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
65	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.	4.3	22
66	Chitin degradation and electricity generation by <i>Aeromonas hydrophila</i> in microbial fuel cells. <i>Chemosphere</i> , 2017, 168, 293-299.	8.2	43
67	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
68	Denitrification in an integrated bioelectro-photocatalytic system. <i>Water Research</i> , 2017, 109, 88-93.	11.3	42
69	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.	3.3	35
70	Redox properties of extracellular polymeric substances (EPS) from electroactive bacteria. <i>Scientific Reports</i> , 2016, 6, 39098.	3.3	81
71	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
72	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

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73	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
74	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.	3.3	18
75	Microbial fuel cell driving electrokinetic remediation of toxic metal contaminated soils. <i>Journal of Hazardous Materials</i> , 2016, 318, 9-14.	12.4	125
76	Warming increases methylmercury production in an Arctic soil. <i>Environmental Pollution</i> , 2016, 214, 504-509.	7.5	60
77	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
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	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
80	Bioelectrochemical Chromium(VI) Removal in Plant-Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2016, 50, 3882-3889.	10.0	199
81	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
82	Approaching the binding between Cu(II) and aerobic granules by a modified titration and $\hat{\mu}$ -XRF. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 362-367.	6.0	9
83	Experimental and Theoretical Approaches for the Surface Interaction between Copper and Activated Sludge Microorganisms at Molecular Scale. , 2016, , 3-22.		0
84	Simultaneous effective carbon and nitrogen removals and phosphorus recovery in an intermittently aerated membrane bioreactor integrated system. <i>Scientific Reports</i> , 2015, 5, 16281.	3.3	9
85	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, 2207-2212.	2.4	14
86	Hydrodynamics of an Electrochemical Membrane Bioreactor. <i>Scientific Reports</i> , 2015, 5, 10387.	3.3	19
87	Lead Toxicity to the Performance, Viability, And Community Composition of Activated Sludge Microorganisms. <i>Environmental Science & Technology</i> , 2015, 49, 824-830.	10.0	80
88	Self-Driven Bioelectrochemical Mineralization of Azobenzene by Coupling Cathodic Reduction with Anodic Intermediate Oxidation. <i>Electrochimica Acta</i> , 2015, 154, 294-299.	5.2	12
89	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, 2052-2058.	10.0	389
90	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

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91	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.	3.7	14
92	Application of a weak magnetic field to improve microbial fuel cell performance. <i>Ecotoxicology</i> , 2015, 24, 2175-2180.	2.4	23
93	Quantitative evaluation of noncovalent interactions between polyphosphate and dissolved humic acids in aqueous conditions. <i>Environmental Pollution</i> , 2015, 207, 123-129.	7.5	10
94	Roles of extracellular polymeric substances in enhanced biological phosphorus removal process. <i>Water Research</i> , 2015, 86, 85-95.	11.3	103
95	Development of an energy-saving anaerobic hybrid membrane bioreactors for 2-chlorophenol-contained wastewater treatment. <i>Chemosphere</i> , 2015, 140, 79-84.	8.2	23
96	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
97	Hydrogen production in a light-driven photoelectrochemical cell. <i>Applied Energy</i> , 2014, 113, 164-168.	10.1	61
98	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
99	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
100	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
101	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.	30.8	89
102	Polyethylenimine modified biochar adsorbent for hexavalent chromium removal from the aqueous solution. <i>Bioresource Technology</i> , 2014, 169, 403-408.	9.6	344
103	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
104	Conductive Carbon Nanotube Hydrogel as a Bioanode for Enhanced Microbial Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8158-8164.	8.0	118
105	Synthesis of Layered MnO ₂ Nanosheets for Enhanced Oxygen Reduction Reaction Catalytic Activity. <i>Electrochimica Acta</i> , 2014, 132, 239-243.	5.2	49
106	Complete mineralization of perfluorooctanoic acid (PFOA) by ¹³⁷ Ir-irradiation in aqueous solution. <i>Scientific Reports</i> , 2014, 4, 7418.	3.3	96
107	Experimental and Theoretical Approaches for the Surface Interaction between Copper and Activated Sludge Microorganisms at Molecular Scale. <i>Scientific Reports</i> , 2014, 4, 7078.	3.3	21
108	An MFC-Based Online Monitoring and Alert System for Activated Sludge Process. <i>Scientific Reports</i> , 2014, 4, 6779.	3.3	14

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109	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
110	Nitrate formation from atmospheric nitrogen and oxygen photocatalysed by nano-sized titanium dioxide. <i>Nature Communications</i> , 2013, 4, 2249.	12.8	107
111	Electricity Generation from Food Industry Wastewater Using Microbial Fuel Cell Technology. , 2013, , 249-261.		2
112	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
113	Phosphorus Removal in an Enhanced Biological Phosphorus Removal Process: Roles of Extracellular Polymeric Substances. <i>Environmental Science & Technology</i> , 2013, 47, 11482-11489.	10.0	167
114	Quantification of the interactions between Ca ²⁺ , Hg ²⁺ and extracellular polymeric substances (EPS) of sludge. <i>Chemosphere</i> , 2013, 93, 1436-1441.	8.2	112
115	Superparamagnetic mesoporous ferrite nanocrystal clusters for efficient removal of arsenite from water. <i>CrystEngComm</i> , 2013, 15, 7895.	2.6	45
116	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
117	Determination of Chlorinated Hydrocarbons in Water Using Highly Sensitive Mid-Infrared Sensor Technology. <i>Scientific Reports</i> , 2013, 3, 2525.	3.3	42
118	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
119	Species of phosphorus in the extracellular polymeric substances of EBPR sludge. <i>Bioresource Technology</i> , 2013, 142, 714-718.	9.6	56
120	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 (<i>Angew.</i>) Tj ETQq0 0 0 rgBT/Overlook 10 Tf 50		
121	Phenothiazine Derivative-Accelerated Microbial Extracellular Electron Transfer in Bioelectrochemical System. <i>Scientific Reports</i> , 2013, 3, 1616.	3.3	30
122	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.	3.8	14
123	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
124	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.	3.6	23
125	Coagulation Kinetics of Humic Aggregates in Mono- and Di-Valent Electrolyte Solutions. <i>Environmental Science & Technology</i> , 2013, 47, 5042-5049.	10.0	100
126	A modeling approach to describe ZVI-based anaerobic system. <i>Water Research</i> , 2013, 47, 6007-6013.	11.3	60

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127	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
128	A Photometric High-Throughput Method for Identification of Electrochemically Active Bacteria Using a WO ₃ Nanocluster Probe. <i>Scientific Reports</i> , 2013, 3, 1315.	3.3	76
129	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
130	Characterization of autotrophic and heterotrophic soluble microbial product (SMP) fractions from activated sludge. <i>Water Research</i> , 2012, 46, 6210-6217.	11.3	73
131	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
132	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
133	Fouling of proton exchange membrane (PEM) deteriorates the performance of microbial fuel cell. <i>Water Research</i> , 2012, 46, 1817-1824.	11.3	254
134	Spatial configuration of extracellular polymeric substances of <i>Bacillus megaterium</i> TF10 in aqueous solution. <i>Water Research</i> , 2012, 46, 3490-3496.	11.3	18
135	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
136	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
137	A microbial fuel cell-membrane bioreactor integrated system for cost-effective wastewater treatment. <i>Applied Energy</i> , 2012, 98, 230-235.	10.1	153
138	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
139	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
140	pH Dependence of Structure and Surface Properties of Microbial EPS. <i>Environmental Science & Technology</i> , 2012, 46, 737-744.	10.0	225
141	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
142	China's wastewater discharge standards in urbanization. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1422-1431.	5.3	65
143	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, 151-156.	5.0	8
144	Evaluation of the stability of hydrogen production and microbial diversity by anaerobic sludge with chloroform treatment. <i>Renewable Energy</i> , 2012, 38, 253-257.	8.9	20

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145	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.	7.9	15
146	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
147	Novel Online Monitoring and Alert System for Anaerobic Digestion Reactors. <i>Environmental Science & Technology</i> , 2011, 45, 9093-9100.	10.0	31
148	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
149	Development of a Novel Bioelectrochemical Membrane Reactor for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2011, 45, 9256-9261.	10.0	163
150	Microbial Fuel Cells in Power Generation and Extended Applications. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2011, 128, 165-197.	1.1	7
151	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
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