

Yong Yuan

List of Publications by Year in Descending Order

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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.

137
papers

5,446
citations

43
h-index

68
g-index

140
ext. papers

6,473
ext. citations

7.8
avg. IF

6.06
L-index

#	Paper	IF	Citations
137	Enhanced photodegradation of antibiotics based on anoxygenic photosynthetic bacteria and bacterial metabolites: A sustainably green strategy for the removal of high-risk organics from secondary effluent.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128350	12.8	0
136	Facet-engineered hematite boosts microbial electrogenesis by synergy of promoting electroactive biofilm formation and extracellular electron transfer.. <i>Science of the Total Environment</i> , 2022 , 819, 153154	10.2	2
135	Two-dimensional MXene enabled carbon quantum dots@Ag with enhanced catalytic activity towards the reduction of -nitrophenol.. <i>RSC Advances</i> , 2022 , 12, 4836-4842	3.7	2
134	Photochemistry of dissolved organic matter in water from the Pearl river (China): Seasonal patterns and predictive modelling. <i>Water Research</i> , 2022 , 208, 117875	12.5	0
133	Redox properties of nano-sized biochar derived from wheat straw biochar.. <i>RSC Advances</i> , 2022 , 12, 11039-11046	3.7	11046
132	Self-produced biophotosensitizers enhance the degradation of organic pollutants in photo-bioelectrochemical systems.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128797	12.8	1
131	Unveiling metabolic characteristics of an uncultured Gammaproteobacterium responsible for in situ PAH biodegradation in petroleum polluted soil. <i>Environmental Microbiology</i> , 2021 , 23, 7093-7104	5.2	1
130	Aerobic degradation of nonhalogenated organophosphate flame esters (OPEs) by enriched cultures from sludge: Kinetics, pathways, bacterial community evolution, and toxicity evaluation. <i>Science of the Total Environment</i> , 2021 , 760, 143385	10.2	6
129	Occurrence, bioaccumulation, fate, and risk assessment of novel brominated flame retardants (NBFRs) in aquatic environments - A critical review. <i>Water Research</i> , 2021 , 198, 117168	12.5	17
128	Effect of copper ions on glucose fermentation pathways in bioelectrochemical system. <i>Chemosphere</i> , 2021 , 272, 129627	8.4	4
127	Centimeter-Long Microbial Electron Transport for Bioremediation Applications. <i>Trends in Biotechnology</i> , 2021 , 39, 181-193	15.1	4
126	Hierarchical N-doped C/Fe ₃ O ₄ nanotube composite arrays grown on the carbon fiber cloth as a bioanode for high-performance bioelectrochemical system. <i>Chemical Engineering Journal</i> , 2021 , 406, 126832	14.7	7
125	Rapeseed meal-based autochthonous N and S-doped non-metallic porous carbon electrode material for oxygen reduction reaction catalysis. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 508-517	6.7	5
124	Bioelectrochemically enhanced degradation of bisphenol S: mechanistic insights from stable isotope-assisted investigations. <i>IScience</i> , 2021 , 24, 102014	6.1	7
123	Anaerobic As(III) Oxidation Coupled with Nitrate Reduction and Attenuation of Dissolved Arsenic by Noviherspirillum Species. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 2115-2123	3.2	3
122	Photochemical Behavior of Microbial Extracellular Polymeric Substances in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2021 , 55, 15090-15099	10.3	5
121	Stimulation of phenanthrene and biphenyl degradation by biochar-conducted long distance electron transfer in soil bioelectrochemical systems. <i>Science of the Total Environment</i> , 2021 , 797, 149124	10.2	3

120	Simultaneous antibiotic degradation, nitrogen removal and power generation in a microalgae-bacteria powered biofuel cell designed for aquaculture wastewater treatment and energy recovery. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 10871-10881	6.7	30
119	Autochthonous N-doped carbon nanotube/activated carbon composites derived from industrial paper sludge for chromate (VI) reduction in microbial fuel cells. <i>Science of the Total Environment</i> , 2020 , 712, 136513	10.2	18
118	Enhanced removal of veterinary antibiotic from wastewater by photoelectroactive biofilm of purple anoxygenic phototroph through photosynthetic electron uptake. <i>Science of the Total Environment</i> , 2020 , 713, 136605	10.2	4
117	Extraction of photosynthetic electron from mixed photosynthetic consortium of bacteria and algae towards sustainable bioelectrical energy harvesting. <i>Electrochimica Acta</i> , 2020 , 336, 135710	6.7	8
116	Biochar enhances bioelectrochemical remediation of pentachlorophenol-contaminated soils via long-distance electron transfer. <i>Journal of Hazardous Materials</i> , 2020 , 391, 122213	12.8	35
115	Anode potential-dependent protection of electroactive biofilms against metal ion shock via regulating extracellular polymeric substances. <i>Water Research</i> , 2020 , 178, 115845	12.5	25
114	UVC-assisted electrochemical degradation of novel bisphenol analogues with boron-doped diamond electrodes: kinetics, pathways and eco-toxicity removal. <i>Science of the Total Environment</i> , 2020 , 711, 134539	10.2	18
113	Identification of nitrogen-incorporating bacteria in a sequencing batch reactor: A combining cultivation-dependent and cultivation-independent method. <i>Bioresource Technology</i> , 2020 , 316, 123964 ¹¹	11	12
112	Integrating solar photovoltaic capacitor into algal-bacterial photo-bioelectrochemical system towards all-weather synchronous enhanced antibiotic and nitrogen removal from wastewater. <i>Journal of Cleaner Production</i> , 2020 , 272, 122661	10.3	7
111	Pyrolysis temperature-dependent electron transfer capacities of dissolved organic matters derived from wheat straw biochar. <i>Science of the Total Environment</i> , 2019 , 696, 133895	10.2	23
110	Upgrading earth-abundant biomass into three-dimensional carbon materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4217-4229	13	71
109	Preparation of Molecularly Imprinted Polymer Sensor on Electrochemically Reduced Graphene Oxide Modified Electrode for Selective Probing of Thiabendazole. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B84-B91	3.9	17
108	Electrochemical Plasmonic Fiber-optic Sensors for Ultra-Sensitive Heavy Metal Detection. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3495-3502	4	34
107	Solar-heated graphene sponge for high-efficiency clean-up of viscous crude oil spill. <i>Journal of Cleaner Production</i> , 2019 , 230, 995-1002	10.3	40
106	Significant enhancement of electron transfer from <i>Shewanella oneidensis</i> using a porous N-doped carbon cloth in a bioelectrochemical system. <i>Science of the Total Environment</i> , 2019 , 665, 882-889	10.2	28
105	High-concentration nitrogen removal coupling with bioelectric power generation by a self-sustaining algal-bacterial biocathode photo-bioelectrochemical system under daily light/dark cycle. <i>Chemosphere</i> , 2019 , 222, 797-809	8.4	15
104	Enhanced degradation of triphenyl phosphate (TPHP) in bioelectrochemical systems: Kinetics, pathway and degradation mechanisms. <i>Environmental Pollution</i> , 2019 , 254, 113040	9.3	20
103	Molecular insight into electron transfer properties of extracellular polymeric substances of electroactive bacteria by surface-enhanced Raman spectroscopy. <i>Science China Technological Sciences</i> , 2019 , 62, 1679-1687	3.5	14

102	Flagella act as Geobacter biofilm scaffolds to stabilize biofilm and facilitate extracellular electron transfer. <i>Biosensors and Bioelectronics</i> , 2019 , 146, 111748	11.8	26
101	Melamine-assisted synthesis of paper mill sludge-based carbon nanotube/nanoporous carbon nanocomposite for enhanced electrocatalytic oxygen reduction activity. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 31094-31103	6.7	8
100	Exogenous-oxidant- and catalyst-free electrochemical deoxygenative C2 sulfonylation of quinoline N-oxides. <i>Chemical Communications</i> , 2019 , 55, 13852-13855	5.8	30
99	Enhancing the performance of photo-bioelectrochemical fuel cell using graphene oxide/cobalt/polypyrrole composite modified photo-biocathode in the presence of antibiotic. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1919-1929	6.7	7
98	Enhanced oxytetracycline removal coupling with increased power generation using a self-sustained photo-bioelectrochemical fuel cell. <i>Chemosphere</i> , 2019 , 221, 21-29	8.4	23
97	Bioelectrical power generation coupled with high-strength nitrogen removal using a photo-bioelectrochemical fuel cell under oxytetracycline stress. <i>Electrochimica Acta</i> , 2019 , 299, 500-508	6.7	16
96	In situ determination of the complex permittivity of ultrathin H ₂ -infused palladium coatings for plasmonic fiber optic sensors in the near infrared. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5161-5170	7.1	16
95	Combined spectroelectrochemical and proteomic characterizations of bidirectional <i>Alcaligenes faecalis</i> -electrode electron transfer. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 21-28	11.8	20
94	N, P-doped mesoporous carbon from onion as trifunctional metal-free electrode modifier for enhanced power performance and capacitive manner of microbial fuel cells. <i>Electrochimica Acta</i> , 2018 , 262, 297-305	6.7	28
93	Electrochemical and microbial community responses of electrochemically active biofilms to copper ions in bioelectrochemical systems. <i>Chemosphere</i> , 2018 , 196, 377-385	8.4	16
92	Long-term effect of carbon nanotubes on electrochemical properties and microbial community of electrochemically active biofilms in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 16240-16247	6.7	10
91	Inhibitory effect of cadmium(II) ion on anodic electrochemically active biofilms performance in bioelectrochemical systems. <i>Chemosphere</i> , 2018 , 211, 202-209	8.4	9
90	Molecular insights into reversible redox sites in solid-phase humic substances as examined by electrochemical in situ FTIR and two-dimensional correlation spectroscopy. <i>Chemical Geology</i> , 2018 , 494, 136-143	4.2	18
89	Heteroatom-doped carbon nanospheres derived from cuttlefish ink: A bifunctional electrocatalyst for oxygen reduction and evolution. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 17708-17717	6.7	19
88	TiO ₂ Nanoparticle-Induced Nanowire Formation Facilitates Extracellular Electron Transfer. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 564-570	11	31
87	Solar Photothermal Electrodes for Highly Efficient Microbial Energy Harvesting at Low Ambient Temperatures. <i>ChemSusChem</i> , 2018 , 11, 4071-4076	8.3	11
86	Magnet-assisted rapid and controllable construction of an electroactive biofilm for microbial current generation. <i>Journal of Power Sources</i> , 2018 , 403, 97-102	8.9	6
85	Electron transfer at microbe-humic substances interfaces: Electrochemical, microscopic and bacterial community characterizations. <i>Chemical Geology</i> , 2017 , 456, 1-9	4.2	29

84	Nitrogen-doped porous activated carbon derived from cocoon silk as a highly efficient metal-free electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2017 , 7, 13383-13389	3.7	39
83	Thermophilic <i>Moorella thermoautotrophica</i> -immobilized cathode enhanced microbial electrosynthesis of acetate and formate from CO. <i>Bioelectrochemistry</i> , 2017 , 117, 23-28	5.6	45
82	Carbon nanoparticles of Chinese ink-wrapped natural loofah sponge: a low-cost three-dimensional electrode for high-performance microbial energy harvesting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14741-14747	13	22
81	CeO ₂ nanoparticle-decorated reduced graphene oxide as an efficient bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15140-15148 ³⁴	6.7	34
80	Alfalfa Leaf-Derived Porous Heteroatom-Doped Carbon Materials as Efficient Cathodic Catalysts in Microbial Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9766-9773	8.3	43
79	Soft-template assisted synthesis of Fe/N-doped hollow carbon nanospheres as advanced electrocatalysts for the oxygen reduction reaction in microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19343-19350	13	54
78	Elimination and ecotoxicity evaluation of phthalic acid esters from textile-dyeing wastewater. <i>Environmental Pollution</i> , 2017 , 231, 115-122	9.3	53
77	Applications of biochar in redox-mediated reactions. <i>Bioresource Technology</i> , 2017 , 246, 271-281	11	218
76	Self-constructed carbon nanoparticles-coated porous biocarbon from plant moss as advanced oxygen reduction catalysts. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 635-643	21.8	75
75	Biochar as Electron Acceptor for Microbial Extracellular Respiration. <i>Geomicrobiology Journal</i> , 2016 , 33, 530-536	2.5	31
74	A hierarchically structured urchin-like anode derived from chestnut shells for microbial energy harvesting. <i>Electrochimica Acta</i> , 2016 , 212, 883-889	6.7	33
73	Recycling electroplating sludge to produce sustainable electrocatalysts for the efficient conversion of carbon dioxide in a microbial electrolysis cell. <i>Electrochimica Acta</i> , 2016 , 222, 177-184	6.7	15
72	Biochar improves sediment microbial fuel cell performance in low conductivity freshwater sediment. <i>Journal of Soils and Sediments</i> , 2016 , 16, 2326-2334	3.4	57
71	Wiring microbial biofilms to the electrode by osmium redox polymer for the performance enhancement of microbial fuel cells. <i>Bioelectrochemistry</i> , 2016 , 108, 8-12	5.6	24
70	Naturally derived carbon nanofibers as sustainable electrocatalysts for microbial energy harvesting: A new application of spider silk. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 31-38	21.8	66
69	<i>Desulfotomaculum ferrireducens</i> sp. nov., a moderately thermophilic sulfate-reducing and dissimilatory Fe(III)-reducing bacterium isolated from compost. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 3022-3028	2.2	12
68	Microbe-engaged synthesis of carbon dot-decorated reduced graphene oxide as high-performance oxygen reduction catalysts. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7222-7229	13	47
67	Electrochemical Surface Plasmon Resonance Fiber-Optic Sensor: In Situ Detection of Electroactive Biofilms. <i>Analytical Chemistry</i> , 2016 , 88, 7609-16	7.8	43

66	MnO ₂ /Polypyrrole/MnO ₂ multi-walled-nanotube-modified anode for high-performance microbial fuel cells. <i>Electrochimica Acta</i> , 2016 , 196, 280-285	6.7	57
65	Honeycomb-like hierarchical carbon derived from livestock sewage sludge as oxygen reduction reaction catalysts in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22328-22336	6.7	29
64	Environmental pH and ionic strength influence the electron-transfer capacity of dissolved organic matter. <i>Journal of Soils and Sediments</i> , 2015 , 15, 2257-2264	3.4	15
63	Nitrogen-doped carbon sheets derived from chitin as non-metal bifunctional electrocatalysts for oxygen reduction and evolution. <i>RSC Advances</i> , 2015 , 5, 56121-56129	3.7	71
62	In situ formation of graphene layers on graphite surfaces for efficient anodes of microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 387-395	11.8	85
61	Conversion of sewage sludge into high-performance bifunctional electrode materials for microbial energy harvesting. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8475-8482	13	52
60	Direct uptake of electrode electrons for autotrophic denitrification by <i>Thiobacillus denitrificans</i> . <i>Electrochemistry Communications</i> , 2015 , 60, 126-130	5.1	73
59	Calcium-dependent electroactive biofilm structure and electricity generation in bioelectrochemical systems. <i>Journal of Power Sources</i> , 2015 , 294, 516-521	8.9	5
58	Conduction-band edge dependence of carbon-coated hematite stimulated extracellular electron transfer of <i>Shewanella oneidensis</i> in bioelectrochemical systems. <i>Bioelectrochemistry</i> , 2015 , 102, 29-34	5.6	37
57	High-capacity carbon-coated titanium dioxide core-shell nanoparticles modified three dimensional anodes for improved energy output in microbial fuel cells. <i>Journal of Power Sources</i> , 2015 , 274, 170-176	8.9	100
56	Biochar as an electron shuttle for reductive dechlorination of pentachlorophenol by <i>Geobacter sulfurreducens</i> . <i>Scientific Reports</i> , 2015 , 5, 16221	4.9	171
55	Influence of Humic Acid Complexation with Metal Ions on Extracellular Electron Transfer Activity. <i>Scientific Reports</i> , 2015 , 5, 17067	4.9	54
54	Axial Ligation of Heme in c-Type Cytochromes of Living <i>Shewanella oneidensis</i> : A New Insight into Enhanced Extracellular Electron Transfer. <i>ChemElectroChem</i> , 2015 , 2, 1672-1677	4.3	4
53	Facile Synthesis of MnO ₂ /Polypyrrole/MnO ₂ Multiwalled Nanotubes as Advanced Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2015 , 2, 1152-1158	4.3	31
52	A Simple Method of Improving Microbial Fuel-Cell Performance Based on Polyaniline/Carbon Composite Anodes. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 2170-2173	1.2	4
51	Bioelectricity Generation in a Microbial Fuel Cell with a Self-Sustainable Photocathode. <i>Scientific World Journal, The</i> , 2015 , 2015, 864568	2.2	27
50	Graphene oxide as nanogold carrier for ultrasensitive electrochemical immunoassay of <i>Shewanella oneidensis</i> with silver enhancement strategy. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 44-9	11.8	28
49	Arsenite oxidation and removal driven by a bio-electro-Fenton process under neutral pH conditions. <i>Journal of Hazardous Materials</i> , 2014 , 275, 200-9	12.8	74

48	Humic acid-enhanced electron transfer of in vivo cytochrome c as revealed by electrochemical and spectroscopic approaches. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1118-24	6.4	6
47	Effective control of bioelectricity generation from a microbial fuel cell by logical combinations of pH and temperature. <i>Scientific World Journal, The</i> , 2014 , 2014, 186016	2.2	5
46	Electron transfer capacity of soil dissolved organic matter and its potential impact on soil respiration. <i>Journal of Soils and Sediments</i> , 2013 , 13, 1553-1560	3.4	8
45	<i>Bacillus borbori</i> sp. Nov., isolated from an electrochemically active biofilm. <i>Current Microbiology</i> , 2013 , 67, 718-24	2.4	7
44	Nanostructured macroporous bioanode based on polyaniline-modified natural loofah sponge for high-performance microbial fuel cells. <i>Environmental Science & Technology</i> , 2013 , 47, 14525-32	10.3	200
43	Electrochemical biomemory devices based on self-assembled graphene- <i>Shewanella oneidensis</i> composite biofilms. <i>RSC Advances</i> , 2013 , 3, 18844	3.7	9
42	In situ investigation of cathode and local biofilm microenvironments reveals important roles of OH- and oxygen transport in microbial fuel cells. <i>Environmental Science & Technology</i> , 2013 , 47, 4911-7	10.3	104
41	Molecular weight-dependent electron transfer capacities of dissolved organic matter derived from sewage sludge compost. <i>Journal of Soils and Sediments</i> , 2013 , 13, 56-63	3.4	16
40	Sewage sludge biochar as an efficient catalyst for oxygen reduction reaction in a microbial fuel cell. <i>Bioresource Technology</i> , 2013 , 144, 115-20	11	129
39	Electron donor capacity of reducing dissolved organic matter from crop residue decomposition as probed by chronoamperometry. <i>Chemosphere</i> , 2013 , 93, 1665-71	8.4	2
38	Electrochemical and spectroscopic characteristics of dissolved organic matter in a forest soil profile. <i>Journal of Environmental Sciences</i> , 2013 , 25, 2093-101	6.4	11
37	<i>Fontibacter ferrireducens</i> sp. nov., an Fe(III)-reducing bacterium isolated from a microbial fuel cell. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 925-929	2.2	13
36	Extracellular quinones affecting methane production and methanogenic community in paddy soil. <i>Microbial Ecology</i> , 2013 , 66, 950-60	4.4	21
35	<i>Sinorhodobacter ferrireducens</i> gen. nov., sp. nov., a non-phototrophic iron-reducing bacterium closely related to phototrophic <i>Rhodobacter</i> species. <i>Antonie Van Leeuwenhoek</i> , 2013 , 104, 715-24	2.1	10
34	<i>Kroppenstedtia quangzhouensis</i> sp. nov., a thermoactinomycete isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 4077-4080	2.2	6
33	Humic substance-mediated reduction of iron(III) oxides and degradation of 2,4-D by an alkaliphilic bacterium, <i>Corynebacterium humireducens</i> MFC-5. <i>Microbial Biotechnology</i> , 2013 , 6, 141-9	6.3	31
32	Electron Transfer Capacity as a Rapid Index for Soil Organic Carbon Stability 2013 , 359-363		
31	Multiple logic gates based on reversible electron transfer of self-organized bacterial biofilm. <i>Electrochemistry Communications</i> , 2012 , 18, 62-65	5.1	6

30	Scalable microbial fuel cell (MFC) stack for continuous real wastewater treatment. <i>Bioresource Technology</i> , 2012 , 106, 82-8	11	209
29	Carbon supported cobalt oxide nanoparticles/iron phthalocyanine as alternative cathode catalyst for oxygen reduction in microbial fuel cells. <i>Journal of Power Sources</i> , 2012 , 208, 170-175	8.9	97
28	Improved electricity production from sewage sludge under alkaline conditions in an insert-type air-cathode microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 80-86	3.5	22
27	Electron transfer capacity as a rapid and simple maturity index for compost. <i>Bioresource Technology</i> , 2012 , 116, 428-34	11	50
26	Microbially-reduced graphene scaffolds to facilitate extracellular electron transfer in microbial fuel cells. <i>Bioresource Technology</i> , 2012 , 116, 453-8	11	106
25	In situ formation of graphene/biofilm composites for enhanced oxygen reduction in biocathode microbial fuel cells. <i>Electrochemistry Communications</i> , 2012 , 21, 69-72	5.1	72
24	Long-term evaluation of a 10-liter serpentine-type microbial fuel cell stack treating brewery wastewater. <i>Bioresource Technology</i> , 2012 , 123, 406-12	11	149
23	Coupling of anodic biooxidation and cathodic bioelectro-Fenton for enhanced swine wastewater treatment. <i>Bioresource Technology</i> , 2011 , 102, 7777-83	11	36
22	Carbon nanoparticles-assisted mediator-less microbial fuel cells using <i>Proteus vulgaris</i> . <i>Biosensors and Bioelectronics</i> , 2011 , 27, 106-12	11.8	34
21	Enhanced anaerobic degradation of organic pollutants in a soil microbial fuel cell. <i>Chemical Engineering Journal</i> , 2011 , 172, 647-653	14.7	159
20	Microorganism-immobilized carbon nanoparticle anode for microbial fuel cells based on direct electron transfer. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1629-35	5.7	29
19	Polyaniline/carbon black composite-supported iron phthalocyanine as an oxygen reduction catalyst for microbial fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 1103-1106	8.9	119
18	Electrochemical characterization of anodic biofilms enriched with glucose and acetate in single-chamber microbial fuel cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 641-6	6	68
17	A rapid and simple electrochemical method for evaluating the electron transfer capacities of dissolved organic matter. <i>Journal of Soils and Sediments</i> , 2011 , 11, 467-473	3.4	43
16	Development of <i>Enterobacter aerogenes</i> fuel cells: from in situ biohydrogen oxidization to direct electroactive biofilm. <i>Bioresource Technology</i> , 2011 , 102, 284-9	11	22
15	In-situ Cr(VI) reduction with electrogenerated hydrogen peroxide driven by iron-reducing bacteria. <i>Bioresource Technology</i> , 2011 , 102, 2468-73	11	84
14	Iron phthalocyanine supported on amino-functionalized multi-walled carbon nanotube as an alternative cathodic oxygen catalyst in microbial fuel cells. <i>Bioresource Technology</i> , 2011 , 102, 5849-54	11	104
13	Electrocatalytic activity of anodic biofilm responses to pH changes in microbial fuel cells. <i>Bioresource Technology</i> , 2011 , 102, 6887-91	11	110

12	Bioelectricity generation and microcystins removal in a blue-green algae powered microbial fuel cell. <i>Journal of Hazardous Materials</i> , 2011 , 187, 591-5	12.8	71
11	Polypyrrole/carbon black composite as a novel oxygen reduction catalyst for microbial fuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 3490-3493	8.9	125
10	A new approach to in situ sediment remediation based on air-cathode microbial fuel cells. <i>Journal of Soils and Sediments</i> , 2010 , 10, 1427-1433	3.4	63
9	Bioelectricity generation by a Gram-positive <i>Corynebacterium</i> sp. strain MFC03 under alkaline condition in microbial fuel cells. <i>Bioresource Technology</i> , 2010 , 101, 1807-11	11	64
8	A novel bioelectro-Fenton system for coupling anodic COD removal with cathodic dye degradation. <i>Chemical Engineering Journal</i> , 2010 , 163, 160-163	14.7	96
7	Enhanced performance of air-cathode two-chamber microbial fuel cells with high-pH anode and low-pH cathode. <i>Bioresource Technology</i> , 2010 , 101, 3514-9	11	113
6	Use of Carbon Nanoparticles for Bacteria Immobilization in Microbial Fuel Cells for High Power Output. <i>Journal of the Electrochemical Society</i> , 2009 , 156, B1238	3.9	24
5	Surface Modification of Gold by Quercetin Monolayer for the Electrochemical Determination of Copper(II). <i>Electroanalysis</i> , 2008 , 20, 1690-1695	3	9
4	Polypyrrole-Coated Reticulated Vitreous Carbon as Anode in Microbial Fuel Cell for Higher Energy Output. <i>Bulletin of the Korean Chemical Society</i> , 2008 , 29, 168-172	1.2	46
3	Poly(thionine)-modified GC Electrode for Simultaneous Detection of Dopamine and Uric Acid in the Presence of Ascorbic Acid. <i>Bulletin of the Korean Chemical Society</i> , 2008 , 29, 1883-1884	1.2	25
2	Improved Performance of a Microbial Fuel Cell with Polypyrrole/Carbon Black Composite Coated Carbon Paper Anodes. <i>Bulletin of the Korean Chemical Society</i> , 2008 , 29, 1344-1348	1.2	40
1	In situ Spectroelectrochemical Study of Quercetin Oxidation and Complexation with Metal Ions in Acidic Solutions. <i>Bulletin of the Korean Chemical Society</i> , 2007 , 28, 889-892	1.2	35