Yong Yuan

List of Publications by Year
in descending order

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140 papers	7,510 citations	41258 49 h-index	62479 80 g-index
140 all docs	140 docs citations	140 times ranked	7095 citing authors

#	Article	IF	Citations
1	Applications of biochar in redox-mediated reactions. Bioresource Technology, 2017, 246, 271-281.	4.8	322
2	Nanostructured Macroporous Bioanode Based on Polyaniline-Modified Natural Loofah Sponge for High-Performance Microbial Fuel Cells. Environmental Science & Technology, 2013, 47, 14525-14532.	4.6	261
3	Scalable microbial fuel cell (MFC) stack for continuous real wastewater treatment. Bioresource Technology, 2012, 106, 82-88.	4.8	254
4	Biochar as an electron shuttle for reductive dechlorination of pentachlorophenol by Geobacter sulfurreducens. Scientific Reports, 2015, 5, 16221.	1.6	236
5	Enhanced anaerobic degradation of organic pollutants in a soil microbial fuel cell. Chemical Engineering Journal, 2011, 172, 647-653.	6.6	187
6	Long-term evaluation of a 10-liter serpentine-type microbial fuel cell stack treating brewery wastewater. Bioresource Technology, 2012, 123, 406-412.	4.8	170
7	Sewage sludge biochar as an efficient catalyst for oxygen reduction reaction in an microbial fuel cell. Bioresource Technology, 2013, 144, 115-120.	4.8	166
8	Polypyrrole/carbon black composite as a novel oxygen reduction catalyst for microbial fuel cells. Journal of Power Sources, 2010, 195, 3490-3493.	4.0	141
9	Electrocatalytic activity of anodic biofilm responses to pH changes in microbial fuel cells. Bioresource Technology, 2011, 102, 6887-6891.	4.8	141
10	Enhanced performance of air-cathode two-chamber microbial fuel cells with high-pH anode and low-pH cathode. Bioresource Technology, 2010, 101, 3514-3519.	4.8	130
11	Polyaniline/carbon black composite-supported iron phthalocyanine as an oxygen reduction catalyst for microbial fuel cells. Journal of Power Sources, 2011, 196, 1103-1106.	4.0	130
12	In Situ Investigation of Cathode and Local Biofilm Microenvironments Reveals Important Roles of OH^{â€“} and Oxygen Transport in Microbial Fuel Cells. Environmental Science & Technology, 2013, 47, 4911-4917.	4.6	124
13	High-capacity carbon-coated titanium dioxide coreâ€“shell nanoparticles modified three dimensional anodes for improved energy output in microbial fuel cells. Journal of Power Sources, 2015, 274, 170-176.	4.0	124
14	Iron phthalocyanine supported on amino-functionalized multi-walled carbon nanotube as an alternative cathodic oxygen catalyst in microbial fuel cells. Bioresource Technology, 2011, 102, 5849-5854.	4.8	120
15	Microbially-reduced graphene scaffolds to facilitate extracellular electron transfer in microbial fuel cells. Bioresource Technology, 2012, 116, 453-458.	4.8	120
16	Direct uptake of electrode electrons for autotrophic denitrification by Thiobacillus denitrificans. Electrochemistry Communications, 2015, 60, 126-130.	2.3	113
17	A novel bioelectro-Fenton system for coupling anodic COD removal with cathodic dye degradation. Chemical Engineering Journal, 2010, 163, 160-163.	6.6	111
18	Carbon supported cobalt oxide nanoparticlesâ€“iron phthalocyanine as alternative cathode catalyst for oxygen reduction in microbial fuel cells. Journal of Power Sources, 2012, 208, 170-175.	4.0	108

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19	Upgrading earth-abundant biomass into three-dimensional carbon materials for energy and environmental applications. Journal of Materials Chemistry A, 2019, 7, 4217-4229.	5.2	107
20	In situ formation of graphene layers on graphite surfaces for efficient anodes of microbial fuel cells. Biosensors and Bioelectronics, 2015, 71, 387-395.	5.3	101
21	Arsenite oxidation and removal driven by a bio-electro-Fenton process under neutral pH conditions. Journal of Hazardous Materials, 2014, 275, 200-209.	6.5	94
22	Electrochemical characterization of anodic biofilms enriched with glucose and acetate in single-chamber microbial fuel cells. Colloids and Surfaces B: Biointerfaces, 2011, 82, 641-646.	2.5	93
23	In-situ Cr(VI) reduction with electrogenerated hydrogen peroxide driven by iron-reducing bacteria. Bioresource Technology, 2011, 102, 2468-2473.	4.8	93
24	Solar-heated graphene sponge for high-efficiency clean-up of viscous crude oil spill. Journal of Cleaner Production, 2019, 230, 995-1002.	4.6	93
25	Occurrence, bioaccumulation, fate, and risk assessment of novel brominated flame retardants (NBFRs) in aquatic environments â€" A critical review. Water Research, 2021, 198, 117168.	5.3	90
26	Self-constructed carbon nanoparticles-coated porous biocarbon from plant moss as advanced oxygen reduction catalysts. Applied Catalysis B: Environmental, 2016, 181, 635-643.	10.8	88
27	Bioelectricity generation and microcystins removal in a blue-green algae powered microbial fuel cell. Journal of Hazardous Materials, 2011, 187, 591-595.	6.5	83
28	Elimination and ecotoxicity evaluation of phthalic acid esters from textile-dyeing wastewater. Environmental Pollution, 2017, 231, 115-122.	3.7	83
29	Bioelectricity generation by a Gram-positive Corynebacterium sp. strain MFC03 under alkaline condition in microbial fuel cells. Bioresource Technology, 2010, 101, 1807-1811.	4.8	82
30	Conversion of sewage sludge into high-performance bifunctional electrode materials for microbial energy harvesting. Journal of Materials Chemistry A, 2015, 3, 8475-8482.	5.2	82
31	In situ formation of graphene/biofilm composites for enhanced oxygen reduction in biocathode microbial fuel cells. Electrochemistry Communications, 2012, 21, 69-72.	2.3	81
32	MnO2/Polypyrrole/MnO2 multi-walled-nanotube-modified anode for high-performance microbial fuel cells. Electrochimica Acta, 2016, 196, 280-285.	2.6	80
33	Naturally derived carbon nanofibers as sustainable electrocatalysts for microbial energy harvesting: A new application of spider silk. Applied Catalysis B: Environmental, 2016, 188, 31-38.	10.8	80
34	Nitrogen-doped carbon sheets derived from chitin as non-metal bifunctional electrocatalysts for oxygen reduction and evolution. RSC Advances, 2015, 5, 56121-56129.	1.7	79
35	Biochar enhances bioelectrochemical remediation of pentachlorophenol-contaminated soils via long-distance electron transfer. Journal of Hazardous Materials, 2020, 391, 122213.	6.5	78
36	Influence of Humic Acid Complexation with Metal Ions on Extracellular Electron Transfer Activity. Scientific Reports, 2015, 5, 17067.	1.6	76

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37	Biochar improves sediment microbial fuel cell performance in low conductivity freshwater sediment. Journal of Soils and Sediments, 2016, 16, 2326-2334.	1.5	76
38	Thermophilic Moorella thermoautotrophica -immobilized cathode enhanced microbial electrosynthesis of acetate and formate from CO 2. Bioelectrochemistry, 2017, 117, 23-28.	2.4	76
39	Soft-template assisted synthesis of Fe/N-doped hollow carbon nanospheres as advanced electrocatalysts for the oxygen reduction reaction in microbial fuel cells. Journal of Materials Chemistry A, 2017, 5, 19343-19350.	5.2	75
40	A new approach to in situ sediment remediation based on air-cathode microbial fuel cells. Journal of Soils and Sediments, 2010, 10, 1427-1433.	1.5	72
41	Alfalfa Leaf-Derived Porous Heteroatom-Doped Carbon Materials as Efficient Cathodic Catalysts in Microbial Fuel Cells. ACS Sustainable Chemistry and Engineering, 2017, 5, 9766-9773.	3.2	66
42	Electrochemical Surface Plasmon Resonance Fiber-Optic Sensor: In Situ Detection of Electroactive Biofilms. Analytical Chemistry, 2016, 88, 7609-7616.	3.2	64
43	Anode potential-dependent protection of electroactive biofilms against metal ion shock via regulating extracellular polymeric substances. Water Research, 2020, 178, 115845.	5.3	63
44	Nitrogen-doped porous activated carbon derived from cocoon silk as a highly efficient metal-free electrocatalyst for the oxygen reduction reaction. RSC Advances, 2017, 7, 13383-13389.	1.7	58
45	Electron transfer capacity as a rapid and simple maturity index for compost. Bioresource Technology, 2012, 116, 428-434.	4.8	57
46	Flagella act as Geobacter biofilm scaffolds to stabilize biofilm and facilitate extracellular electron transfer. Biosensors and Bioelectronics, 2019, 146, 111748.	5.3	57
47	A rapid and simple electrochemical method for evaluating the electron transfer capacities of dissolved organic matter. Journal of Soils and Sediments, 2011, 11, 467-473.	1.5	56
48	Microbe-engaged synthesis of carbon dot-decorated reduced graphene oxide as high-performance oxygen reduction catalysts. Journal of Materials Chemistry A, 2016, 4, 7222-7229.	5.2	56
49	Biochar as Electron Acceptor for Microbial Extracellular Respiration. Geomicrobiology Journal, 2016, 33, 530-536.	1.0	56
50	Polypyrrole-Coated Reticulated Vitreous Carbon as Anode in Microbial Fuel Cell for Higher Energy Output. Bulletin of the Korean Chemical Society, 2008, 29, 168-172.	1.0	52
51	Electron transfer at microbe-humic substances interfaces: Electrochemical, microscopic and bacterial community characterizations. Chemical Geology, 2017, 456, 1-9.	1.4	50
52	Pyrolysis temperature-dependent electron transfer capacities of dissolved organic matters derived from wheat straw biochar. Science of the Total Environment, 2019, 696, 133895.	3.9	49
53	Exogenous-oxidant- and catalyst-free electrochemical deoxygenative C2 sulfonylation of quinoline N-oxides. Chemical Communications, 2019, 55, 13852-13855.	2.2	49
54	CeO2 nanoparticle-decorated reduced graphene oxide as an efficient bifunctional electrocatalyst for oxygen reduction and evolution reactions. International Journal of Hydrogen Energy, 2017, 42, 15140-15148.	3.8	47

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55	Conduction-band edge dependence of carbon-coated hematite stimulated extracellular electron transfer of Shewanella oneidensis in bioelectrochemical systems. Bioelectrochemistry, 2015, 102, 29-34.	2.4	46
56	A hierarchically structured urchin-like anode derived from chestnut shells for microbial energy harvesting. Electrochimica Acta, 2016, 212, 883-889.	2.6	46
57	Electrochemical Plasmonic Fiber-optic Sensors for Ultra-Sensitive Heavy Metal Detection. Journal of Lightwave Technology, 2019, 37, 3495-3502.	2.7	45
58	Simultaneous antibiotic degradation, nitrogen removal and power generation in a microalgae-bacteria powered biofuel cell designed for aquaculture wastewater treatment and energy recovery. International Journal of Hydrogen Energy, 2020, 45, 10871-10881.	3.8	45
59	Improved Performance of a Microbial Fuel Cell with Polypyrrole/Carbon Black Composite Coated Carbon Paper Anodes. Bulletin of the Korean Chemical Society, 2008, 29, 1344-1348.	1.0	45
60	TiO₂ Nanoparticle-Induced Nanowire Formation Facilitates Extracellular Electron Transfer. Environmental Science and Technology Letters, 2018, 5, 564-570.	3.9	44
61	Photochemical Behavior of Microbial Extracellular Polymeric Substances in the Aquatic Environment. Environmental Science & Technology, 2021, 55, 15090-15099.	4.6	44
62	Coupling of anodic biooxidation and cathodic bioelectro-Fenton for enhanced swine wastewater treatment. Bioresource Technology, 2011, 102, 7777-7783.	4.8	42
63	N, P-doped mesoporous carbon from onion as trifunctional metal-free electrode modifier for enhanced power performance and capacitive manner of microbial fuel cells. Electrochimica Acta, 2018, 262, 297-305.	2.6	42
64	Carbon nanoparticles-assisted mediator-less microbial fuel cells using Proteus vulgaris. Biosensors and Bioelectronics, 2011, 27, 106-112.	5.3	41
65	Honeycomb-like hierarchical carbon derived from livestock sewage sludge as oxygen reduction reaction catalysts in microbial fuel cells. International Journal of Hydrogen Energy, 2016, 41, 22328-22336.	3.8	39
66	Enhanced degradation of triphenyl phosphate (TPHP) in bioelectrochemical systems: Kinetics, pathway and degradation mechanisms. Environmental Pollution, 2019, 254, 113040.	3.7	38
67	In situ Spectroelectrochemical Study of Quercetin Oxidation and Complexation with Metal Ions in Acidic Solutions. Bulletin of the Korean Chemical Society, 2007, 28, 889-892.	1.0	38
68	Carbon nanoparticles of Chinese ink-wrapped natural loofah sponge: a low-cost three-dimensional electrode for high-performance microbial energy harvesting. Journal of Materials Chemistry A, 2017, 5, 14741-14747.	5.2	36
69	Combined spectroelectrochemical and proteomic characterizations of bidirectional Alcaligenes faecalis-electrode electron transfer. Biosensors and Bioelectronics, 2018, 106, 21-28.	5.3	36
70	Significant enhancement of electron transfer from Shewanella oneidensis using a porous N-doped carbon cloth in a bioelectrochemical system. Science of the Total Environment, 2019, 665, 882-889.	3.9	36
71	Humic substanceâ€mediated reduction of iron(<scp>III</scp>) oxides and degradation of 2,4â€<scp>D</scp> by an alkaliphilic bacterium, <scp>C</scp>orynebacterium humireducensâ€...<scp>MFC</scp>â€5. Microbial Biotechnology, 2013, 6, 141-149.	2.0	34
72	Microorganism-immobilized carbon nanoparticle anode for microbial fuel cells based on direct electron transfer. Applied Microbiology and Biotechnology, 2011, 89, 1629-1635.	1.7	33

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73	Facile Synthesis of MnO₂/Polypyrrole/MnO₂ Multiwalled Nanotubes as Advanced Electrocatalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2015, 2, 1152-1158.	1.7	33
74	Bioelectricity Generation in a Microbial Fuel Cell with a Self-Sustainable Photocathode. Scientific World Journal, The, 2015, 2015, 1-8.	0.8	33
75	Graphene oxide as nanogold carrier for ultrasensitive electrochemical immunoassay of Shewanella oneidensis with silver enhancement strategy. Biosensors and Bioelectronics, 2014, 52, 44-49.	5.3	32
76	Electrochemical and microbial community responses of electrochemically active biofilms to copper ions in bioelectrochemical systems. Chemosphere, 2018, 196, 377-385.	4.2	31
77	Enhanced oxytetracycline removal coupling with increased power generation using a self-sustained photo-bioelectrochemical fuel cell. Chemosphere, 2019, 221, 21-29.	4.2	31
78	Development of Enterobacter aerogenes fuel cells: From in situ biohydrogen oxidization to direct electroactive biofilm. Bioresource Technology, 2011, 102, 284-289.	4.8	29
79	Wiring microbial biofilms to the electrode by osmium redox polymer for the performance enhancement of microbial fuel cells. Bioelectrochemistry, 2016, 108, 8-12.	2.4	29
80	Identification of nitrogen-incorporating bacteria in a sequencing batch reactor: A combining cultivation-dependent and cultivation-independent method. Bioresource Technology, 2020, 316, 123964.	4.8	29
81	Poly(thionine)-modified GC Electrode for Simultaneous Detection of Dopamine and Uric Acid in the Presence of Ascorbic Acid. Bulletin of the Korean Chemical Society, 2008, 29, 1883-1884.	1.0	29
82	Improved electricity production from sewage sludge under alkaline conditions in an insertâ€type airâ€cathode microbial fuel cell. Journal of Chemical Technology and Biotechnology, 2012, 87, 80-86.	1.6	28
83	Molecular insights into reversible redox sites in solid-phase humic substances as examined by electrochemical in situ FTIR and two-dimensional correlation spectroscopy. Chemical Geology, 2018, 494, 136-143.	1.4	28
84	Hierarchical N-doped C/Fe3O4 nanotube composite arrays grown on the carbon fiber cloth as a bioanode for high-performance bioelectrochemical system. Chemical Engineering Journal, 2021, 406, 126832.	6.6	28
85	Use of Carbon Nanoparticles for Bacteria Immobilization in Microbial Fuel Cells for High Power Output. Journal of the Electrochemical Society, 2009, 156, B1238.	1.3	27
86	Extracellular Quinones Affecting Methane Production and Methanogenic Community in Paddy Soil. Microbial Ecology, 2013, 66, 950-960.	1.4	27
87	Heteroatom-doped carbon nanospheres derived from cuttlefish ink: A bifunctional electrocatalyst for oxygen reduction and evolution. International Journal of Hydrogen Energy, 2018, 43, 17708-17717.	3.8	27
88	Molecular insight into electron transfer properties of extracellular polymeric substances of electroactive bacteria by surface-enhanced Raman spectroscopy. Science China Technological Sciences, 2019, 62, 1679-1687.	2.0	26
89	Autochthonous N-doped carbon nanotube/activated carbon composites derived from industrial paper sludge for chromate (VI) reduction in microbial fuel cells. Science of the Total Environment, 2020, 712, 136513.	3.9	26
90	Aerobic degradation of nonhalogenated organophosphate flame esters (OPEs) by enriched cultures from sludge: Kinetics, pathways, bacterial community evolution, and toxicity evaluation. Science of the Total Environment, 2021, 760, 143385.	3.9	26

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91	High-concentration nitrogen removal coupling with bioelectric power generation by a self-sustaining algal-bacterial biocathode photo-bioelectrochemical system under daily light/dark cycle. Chemosphere, 2019, 222, 797-809.	4.2	24
92	UVC-assisted electrochemical degradation of novel bisphenol analogues with boron-doped diamond electrodes: kinetics, pathways and eco-toxicity removal. Science of the Total Environment, 2020, 711, 134539.	3.9	24
93	Centimeter-Long Microbial Electron Transport for Bioremediation Applications. Trends in Biotechnology, 2021, 39, 181-193.	4.9	24
94	Preparation of Molecularly Imprinted Polymer Sensor on Electrochemically Reduced Graphene Oxide Modified Electrode for Selective Probing of Thiabendazole. Journal of the Electrochemical Society, 2019, 166, B84-B91.	1.3	23
95	Fontibacter ferrireducens sp. nov., an Fe(III)-reducing bacterium isolated from a microbial fuel cell. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 925-929.	0.8	22
96	Environmental pH and ionic strength influence the electron-transfer capacity of dissolved organic matter. Journal of Soils and Sediments, 2015, 15, 2257-2264.	1.5	22
97	Bioelectrical power generation coupled with high-strength nitrogen removal using a photo-bioelectrochemical fuel cell under oxytetracycline stress. Electrochimica Acta, 2019, 299, 500-508.	2.6	22
98	Molecular weight-dependent electron transfer capacities of dissolved organic matter derived from sewage sludge compost. Journal of Soils and Sediments, 2013, 13, 56-63.	1.5	21
99	Sinorhodobacter ferrireducens gen. nov., sp. nov., a non-phototrophic iron-reducing bacterium closely related to phototrophic Rhodobacter species. Antonie Van Leeuwenhoek, 2013, 104, 715-724.	0.7	21
100	Desulfotomaculum ferrireducens sp. nov., a moderately thermophilic sulfate-reducing and dissimilatory Fe(III)-reducing bacterium isolated from compost. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3022-3028.	0.8	21
101	Recycling electroplating sludge to produce sustainable electrocatalysts for the efficient conversion of carbon dioxide in a microbial electrolysis cell. Electrochimica Acta, 2016, 222, 177-184.	2.6	20
102	Rapeseed meal-based autochthonous N and S-doped non-metallic porous carbon electrode material for oxygen reduction reaction catalysis. International Journal of Hydrogen Energy, 2021, 46, 508-517.	3.8	20
103	In situ determination of the complex permittivity of ultrathin H₂-infused palladium coatings for plasmonic fiber optic sensors in the near infrared. Journal of Materials Chemistry C, 2018, 6, 5161-5170.	2.7	19
104	Long-term effect of carbon nanotubes on electrochemical properties and microbial community of electrochemically active biofilms in microbial fuel cells. International Journal of Hydrogen Energy, 2018, 43, 16240-16247.	3.8	19
105	Bioelectrochemically enhanced degradation of bisphenol S: mechanistic insights from stable isotope-assisted investigations. IScience, 2021, 24, 102014.	1.9	19
106	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. Journal of Hazardous Materials, 2022, 430, 128350.	6.5	19
107	Electron transfer capacity of soil dissolved organic matter and its potential impact on soil respiration. Journal of Soils and Sediments, 2013, 13, 1553-1560.	1.5	18
108	Electrochemical and spectroscopic characteristics of dissolved organic matter in a forest soil profile. Journal of Environmental Sciences, 2013, 25, 2093-2101.	3.2	18

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109	Inhibitory effect of cadmium(II) ion on anodic electrochemically active biofilms performance in bioelectrochemical systems. Chemosphere, 2018, 211, 202-209.	4.2	18
110	Solar Photothermal Electrodes for Highly Efficient Microbial Energy Harvesting at Low Ambient Temperatures. ChemSusChem, 2018, 11, 4071-4076.	3.6	17
111	Two-dimensional MXene enabled carbon quantum dots@Ag with enhanced catalytic activity towards the reduction of p-nitrophenol. RSC Advances, 2022, 12, 4836-4842.	1.7	17
112	Melamine-assisted synthesis of paper mill sludge-based carbon nanotube/nanoporous carbon nanocomposite for enhanced electrocatalytic oxygen reduction activity. International Journal of Hydrogen Energy, 2019, 44, 31094-31103.	3.8	14
113	Extraction of photosynthetic electron from mixed photosynthetic consortium of bacteria and algae towards sustainable bioelectrical energy harvesting. Electrochimica Acta, 2020, 336, 135710.	2.6	14
114	Bacillus borbori sp. Nov., Isolated From an Electrochemically Active Biofilm. Current Microbiology, 2013, 67, 718-724.	1.0	13
115	Anaerobic As(III) Oxidation Coupled with Nitrate Reduction and Attenuation of Dissolved Arsenic by Noviherbaspirillum Species. ACS Earth and Space Chemistry, 2021, 5, 2115-2123.	1.2	13
116	Integrating solar photovoltaic capacitor into algal-bacterial photo-bioelectrochemical system towards all-weather synchronous enhanced antibiotic and nitrogen removal from wastewater. Journal of Cleaner Production, 2020, 272, 122661.	4.6	12
117	Effect of copper ions on glucose fermentation pathways in bioelectrochemical system. Chemosphere, 2021, 272, 129627.	4.2	12
118	Facet-engineered hematite boosts microbial electrogenesis by synergy of promoting electroactive biofilm formation and extracellular electron transfer. Science of the Total Environment, 2022, 819, 153154.	3.9	12
119	Kroppenstedtia guangzhouensis sp. nov., a thermoactinomycete isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4077-4080.	0.8	11
120	Enhanced removal of veterinary antibiotic from wastewater by photoelectroactive biofilm of purple anoxygenic phototroph through photosynthetic electron uptake. Science of the Total Environment, 2020, 713, 136605.	3.9	11
121	Photochemistry of dissolved organic matter in water from the Pearl river (China): Seasonal patterns and predictive modelling. Water Research, 2022, 208, 117875.	5.3	11
122	Redox properties of nano-sized biochar derived from wheat straw biochar. RSC Advances, 2022, 12, 11039-11046.	1.7	11
123	Electrochemical biomemory devices based on self-assembled grapheneâ€“Shewanella oneidensis composite biofilms. RSC Advances, 2013, 3, 18844.	1.7	10
124	Stimulation of phenanthrene and biphenyl degradation by biochar-conducted long distance electron transfer in soil bioelectrochemical systems. Science of the Total Environment, 2021, 797, 149124.	3.9	10
125	Surface Modification of Gold by Quercetin Monolayer for the Electrochemical Determination of Copper(II). Electroanalysis, 2008, 20, 1690-1695.	1.5	9
126	Effective Control of Bioelectricity Generation from a Microbial Fuel Cell by Logical Combinations of pH and Temperature. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	9

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127	Enhancing the performance of photo-bioelectrochemical fuel cell using graphene oxide/cobalt/polypyrrole composite modified photo-biocathode in the presence of antibiotic. International Journal of Hydrogen Energy, 2019, 44, 1919-1929.	3.8	9
128	Magnet-assisted rapid and controllable construction of an electroactive biofilm for microbial current generation. Journal of Power Sources, 2018, 403, 97-102.	4.0	8
129	Structure and core taxa of bacterial communities involved in extracellular electron transfer in paddy soils across China. Science of the Total Environment, 2022, 844, 157196.	3.9	8
130	Multiple logic gates based on reversible electron transfer of self-organized bacterial biofilm. Electrochemistry Communications, 2012, 18, 62-65.	2.3	6
131	Humic acid-enhanced electron transfer of in vivo cytochrome c as revealed by electrochemical and spectroscopic approaches. Journal of Environmental Sciences, 2014, 26, 1118-1124.	3.2	6
132	Calcium-dependent electroactive biofilm structure and electricity generation in bioelectrochemical systems. Journal of Power Sources, 2015, 294, 516-521.	4.0	5
133	Axial Ligation of Heme in câ€Type Cytochromes of Living Shewanella oneidensis: A New Insight into Enhanced Extracellular Electron Transfer. ChemElectroChem, 2015, 2, 1672-1677.	1.7	4
134	A Simple Method of Improving Microbial Fuelâ€Cell Performance Based on Polyaniline/Carbon Composite Anodes. Bulletin of the Korean Chemical Society, 2015, 36, 2170-2173.	1.0	4
135	Unveiling metabolic characteristics of an uncultured Gammaproteobacterium responsible for in situâ€‰<scp>PAH</scp> biodegradation in petroleum polluted soil. Environmental Microbiology, 2021, 23, 7093-7104.	1.8	4
136	Electron donor capacity of reducing dissolved organic matter from crop residue decomposition as probed by chronoamperometry. Chemosphere, 2013, 93, 1665-1671.	4.2	3
137	Self-produced biophotosensitizers enhance the degradation of organic pollutants in photo-bioelectrochemical systems. Journal of Hazardous Materials, 2022, 433, 128797.	6.5	2
138	Response of electroactive biofilms from real wastewater to metal ion shock in bioelectrochemical systems. Science of the Total Environment, 2022, 844, 157158.	3.9	2
139	Electron Transfer Capacity as a Rapid Index for Soil Organic Carbon Stability. , 2013, , 359-363.		0
140	In-situ detection of electroactive biofilms using an electrochemical surface Plasmon resonance fiber-optic sensor. , 2016, , .		0