Feng Zhao

List of Publications by Year
in descending order

195 papers	14,154 citations	17429 63 h-index	21521 114 g-index
202 all docs	202 docs citations	202 times ranked	16827 citing authors

#	Article	IF	Citations
1	Impact of SAR Image Resolution on Polarimetric Persistent Scatterer Interferometry With Amplitude Dispersion Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	2.7	5
2	Transforming cerussite to pyromorphite by immobilising Pb(II) using hydroxyapatite and Pseudomonas rhodesiae. Chemosphere, 2022, 287, 132235.	4.2	8
3	Polarimetric Persistent Scatterer Interferometry for Ground Deformation Monitoring with VV-VH Sentinel-1 Data. Remote Sensing, 2022, 14, 309.	1.8	9
4	Feedback current production by a ferrous mediator revealing the redox properties of Shewanella oneidensis MR-1. Journal of Electroanalytical Chemistry, 2022, 916, 116387.	1.9	2
5	Synthesis and Structure of a Two-Dimensional Palladium Oxide Network on Reduced Graphene Oxide. Nano Letters, 2022, 22, 4854-4860.	4.5	3
6	Effects of Titanium Dioxide Nanoparticles on Cell Growth and Migration of A549 Cells under Simulated Microgravity. Nanomaterials, 2022, 12, 1879.	1.9	6
7	Enhanced interfacial electron transfer between semiconductor and non-photosynthetic microorganism under visible light. Bioelectrochemistry, 2022, , 108195.	2.4	3
8	How Mechanical Forces Shape Plant Organs. Current Biology, 2021, 31, R143-R159.	1.8	73
9	A multiscale analysis of early flower development in Arabidopsis provides an integrated view of molecular regulation and growth control. Developmental Cell, 2021, 56, 540-556.e8.	3.1	37
10	Visualization of cortical microtubule networks in plant cells by live imaging and immunostaining. STAR Protocols, 2021, 2, 100301.	0.5	4
11	Underground Coal Fire Detection and Monitoring Based on Landsat-8 and Sentinel-1 Data Sets in Miquan Fire Area, Xinjiang. Remote Sensing, 2021, 13, 1141.	1.8	16
12	Redox cycling of manganese by Bacillus horikoshii biET1 via oxygen switch. Electrochimica Acta, 2021, 375, 137963.	2.6	9
13	Auxin guides germ-cell specification in Arabidopsis anthers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
14	Liposoluble quinone promotes the reduction of hydrophobic mineral and extracellular electron transfer of Shewanella oneidensis MR-1. Innovation(China), 2021, 2, 100104.	5.2	10
15	Interfacial electron transfer for carbon dioxide valorization in hybrid inorganic-microbial systems. Applied Energy, 2021, 292, 116885.	5.1	20
16	Photothermal Killing of A549 Cells and Autophagy Induction by Bismuth Selenide Particles. Materials, 2021, 14, 3373.	1.3	2
17	Stable establishment of organ polarity occurs several plastochrons before primordium outgrowth in Arabidopsis. Development (Cambridge), 2021, 148, .	1.2	8
18	Functional role of mixed-culture microbe in photocatalysis coupled with biodegradation: Total organic carbon removal of ciprofloxacin. Science of the Total Environment, 2021, 784, 147049.	3.9	44

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19	Interspecific competition by non-exoelectrogenic Citrobacter freundii An1 boosts bioelectricity generation of exoelectrogenic Shewanella oneidensis MR-1. Biosensors and Bioelectronics, 2021, 194, 113614.	5.3	12
20	Mutation in Îµ-Sarcoglycan Induces a Myoclonus-Dystonia Syndrome-Like Movement Disorder in Mice. Neuroscience Bulletin, 2021, 37, 311-322.	1.5	8
21	Anaerobic Respiration on Nitarsone in Aquatic Environments by Shewanella oneidensis MR-1 Lacking Known CÂ·As lyases. ACS ES&T Water, 2021, 1, 603-612.	2.3	2
22	Long-term adaptive evolution of Shewanella oneidensis MR-1 for establishment of high concentration Cr(VI) tolerance. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	3.3	15
23	Organs Distribution and Injury After Repeated Intratracheal Instillations of Nano-In2O3 Particles into the Lungs of Wistar Rats. Journal of Nanoscience and Nanotechnology, 2020, 20, 1383-1390.	0.9	3
24	Toxicological Evaluation of Graphene-Family Nanomaterials. Journal of Nanoscience and Nanotechnology, 2020, 20, 1993-2006.	0.9	46
25	Degradation of diclofenac by B. subtilis through a cytochrome P450-dependent pathway. Environmental Technology and Innovation, 2020, 20, 101160.	3.0	7
26	Effect of Copper and Phosphate on the Biosynthesis of Palladium Nanoparticles by Shewanella oneidensis MRâ€1. ChemElectroChem, 2020, 7, 4460-4468.	1.7	2
27	Microtubule-Mediated Wall Anisotropy Contributes to Leaf Blade Flattening. Current Biology, 2020, 30, 3972-3985.e6.	1.8	69
28	Acceleration of peroxymonosulfate decomposition by a magnetic MoS2/CuFe2O4 heterogeneous catalyst for rapid degradation of fluoxetine. Chemical Engineering Journal, 2020, 397, 125501.	6.6	119
29	Extracellular electron transfer of Methylophilus methylotrophs. Process Biochemistry, 2020, 94, 313-318.	1.8	12
30	Methane-Dependent Mineral Reduction by Aerobic Methanotrophs under Hypoxia. Environmental Science and Technology Letters, 2020, 7, 606-612.	3.9	52
31	Carbon dots-fed Shewanella oneidensis MR-1 for bioelectricity enhancement. Nature Communications, 2020, 11, 1379.	5.8	97
32	Indium oxide nanoparticles induce lung intercellular toxicity between bronchial epithelial cells and macrophages. Journal of Applied Toxicology, 2020, 40, 1636-1646.	1.4	6
33	Alternative strategies of nutrient acquisition and energy conservation map to the biogeography of marine ammonia-oxidizing archaea. ISME Journal, 2020, 14, 2595-2609.	4.4	62
34	Recovery of solid waste as functional heterogeneous catalysts for organic pollutant removal and biodiesel production. Chemical Engineering Journal, 2020, 401, 126104.	6.6	51
35	Microeukaryote communities exhibit phyla-specific distance-decay patterns and an intimate link between seawater and sediment habitats in the Western Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 160, 103279.	0.6	15
36	Rapid and efficient removal of naproxen from water by CuFe2O4 with peroxymonosulfate. Environmental Science and Pollution Research, 2020, 27, 21542-21551.	2.7	24

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37	Antibiotic resistance genes are increased by combined exposure to sulfamethoxazole and naproxen but relieved by low-salinity. Environment International, 2020, 139, 105742.	4.8	28
38	Grapheneâ€Based Smart Platforms for Combined Cancer Therapy. Advanced Materials, 2019, 31, e1800662.	11.1	233
39	Electrons selective uptake of a metal-reducing bacterium Shewanella oneidensis MR-1 from ferrocyanide. Biosensors and Bioelectronics, 2019, 142, 111571.	5.3	13
40	Coherency Matrix Decomposition-Based Polarimetric Persistent Scatterer Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7819-7831.	2.7	22
41	The pharmaceutical multi-activity of metallofullerenol invigorates cancer therapy. Nanoscale, 2019, 11, 14528-14539.	2.8	16
42	SMF-POLOPT: An Adaptive Multitemporal Pol(DIn)SAR Filtering and Phase Optimization Algorithm for PSI Applications. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7135-7147.	2.7	18
43	A Novel Drug Design Strategy: An Inspiration from Encaging Tumor by Metallofullerenol Gd@C82(OH)22. Molecules, 2019, 24, 2387.	1.7	8
44	Effects of intragenomic polymorphism in the SSU rRNA gene on estimating marine microeukaryotic diversity: A test for ciliates using singleâ€cell highâ€throughput DNA sequencing. Limnology and Oceanography: Methods, 2019, 17, 533-543.	1.0	22
45	A Temporal Phase Coherence Estimation Algorithm and Its Application on DInSAR Pixel Selection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8350-8361.	2.7	16
46	Redox-active humics support interspecies syntrophy and shift microbial community. Science China Technological Sciences, 2019, 62, 1695-1702.	2.0	12
47	Nanostructured Ceria-Praseodymium and Ceria-Terbium Mixed Oxides: Relationship Between Structural Change and Catalytic Activity Towards CO Oxidation. Journal of Nanoscience and Nanotechnology, 2019, 19, 5999-6005.	0.9	1
48	Feasibility of Biological Applications for Zirconium Nitride Powders Synthesized by Gasâ€“Solid Elemental Combination Method. Journal of Nanoscience and Nanotechnology, 2019, 19, 3319-3325.	0.9	1
49	Proteomic analysis of the reduction and resistance mechanisms of Shewanella oneidensis MR-1 under long-term hexavalent chromium stress. Environment International, 2019, 127, 94-102.	4.8	69
50	The Pneumotoxic Effect and Indium Ion Release Induced by Indium Tin Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 4357-4365.	0.9	3
51	Bioleaching of Electronic Waste Using Extreme Acidophiles. , 2019, , 153-174.		12
52	A Safeâ€byâ€Design Strategy towards Safer Nanomaterials in Nanomedicines. Advanced Materials, 2019, 31, e1805391.	11.1	109
53	Electron Communication of Bacillus subtilis in Harsh Environments. IScience, 2019, 12, 260-269.	1.9	27
54	Xyloglucans and Microtubules Synergistically Maintain Meristem Geometry and Phyllotaxis. Plant Physiology, 2019, 181, 1191-1206.	2.3	26

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55	Long-term operation of electroactive biofilms for enhanced ciprofloxacin removal capacity and anti-shock capabilities. Bioresource Technology, 2019, 275, 192-199.	4.8	36
56	Leaching of indium from end-of-life LCD panels via catalysis by synergistic microbial communities. Science of the Total Environment, 2019, 655, 781-786.	3.9	23
57	The effect of bioelectrochemical systems on antibiotics removal and antibiotic resistance genes: A review. Chemical Engineering Journal, 2019, 358, 1421-1437.	6.6	230
58	Application of interface material and effects of oxygen gradient on the performance of single-chamber sediment microbial fuel cells (SSMFCs). Journal of Environmental Sciences, 2019, 75, 163-168.	3.2	15
59	Research on Electron Transfer in the Microenvironment of the Biofilm by Scanning Electrochemical Microscopy. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 22-27.	2.2	4
60	Selective electrocatalysis of biofuel molecular oxidation using palladium nanoparticles generated on Shewanella oneidensis MR-1. Journal of Materials Chemistry A, 2018, 6, 10655-10662.	5.2	35
61	Physiological Effect of XoxG(4) on Lanthanide-Dependent Methanotrophy. MBio, 2018, 9, .	1.8	54
62	Novel bufferless photosynthetic microbial fuel cell (PMFCs) for enhanced electrochemical performance. Bioresource Technology, 2018, 255, 83-87.	4.8	45
63	Nanomaterial libraries and model organisms for rapid high-content analysis of nanosafety. National Science Review, 2018, 5, 365-388.	4.6	20
64	Flavins mediate extracellular electron transfer in Gram-positive Bacillus megaterium strain LLD-1. Bioelectrochemistry, 2018, 119, 196-202.	2.4	61
65	Anoxic biodegradation of triclosan and the removal of its antimicrobial effect in microbial fuel cells. Journal of Hazardous Materials, 2018, 344, 669-678.	6.5	56
66	Framework of Cytochrome/Vitamin B₂ Linker/Graphene for Robust Microbial Electricity Generation. ACS Applied Materials & Interfaces, 2018, 10, 35090-35098.	4.0	22
67	Leaching of vanadium from waste V2O5-WO3/TiO2 catalyst catalyzed by functional microorganisms. Science of the Total Environment, 2018, 639, 497-503.	3.9	27
68	Interactions between iron mineral-humic complexes and hexavalent chromium and the corresponding bio-effects. Environmental Pollution, 2018, 241, 265-271.	3.7	34
69	The changes of bacterial communities and antibiotic resistance genes in microbial fuel cells during long-term oxytetracycline processing. Water Research, 2018, 142, 105-114.	5.3	117
70	Light-excited photoelectrons coupled with bio-photocatalysis enhanced the degradation efficiency of oxytetracycline. Water Research, 2018, 143, 589-598.	5.3	93
71	Sludge selection on the performance of sediment microbial fuel cells. International Journal of Energy Research, 2018, 42, 4250-4255.	2.2	15
72	Enhanced bioleaching efficiency of copper from printed circuit boards without iron loss. Hydrometallurgy, 2018, 180, 65-71.	1.8	18

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73	Application of Multifunctional Nanomaterials in Radioprotection of Healthy Tissues. Advanced Healthcare Materials, 2018, 7, e1800421.	3.9	52
74	Biodegradation of sulfadiazine in microbial fuel cells: Reaction mechanism, biotoxicity removal and the correlation with reactor microbes. Journal of Hazardous Materials, 2018, 360, 402-411.	6.5	73
75	Local triple-therapy patch completely ablates tumor. Science Bulletin, 2017, 62, 204-205.	4.3	1
76	Phosphorylation of SPOROCYTELESS/NOZZLE by the MPK3/6 Kinase Is Required for Anther Development. Plant Physiology, 2017, 173, 2265-2277.	2.3	51
77	Progress of air-breathing cathode in microbial fuel cells. Journal of Power Sources, 2017, 356, 245-255.	4.0	110
78	Protein-directed synthesis of Bi₂S₃ nanoparticles as an efficient contrast agent for visualizing the gastrointestinal tract. RSC Advances, 2017, 7, 17505-17513.	1.7	15
79	Interaction between in vivo bioluminescence and extracellular electron transfer in Shewanella woodyi via charge and discharge. Physical Chemistry Chemical Physics, 2017, 19, 1746-1750.	1.3	19
80	A concise review on microbial remediation cells (MRCs) in soil and groundwater radionuclides remediation. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 1477-1485.	0.7	14
81	Electrochemical roles of extracellular polymeric substances in biofilms. Current Opinion in Electrochemistry, 2017, 4, 206-211.	2.5	134
82	Extracellular polymeric substances are transient media for microbial extracellular electron transfer. Science Advances, 2017, 3, e1700623.	4.7	439
83	Epigenetics-based individual interventions against the health risks of PM2.5. Science Bulletin, 2017, 62, 743-744.	4.3	4
84	Redox-Active Oxygen-Containing Functional Groups in Activated Carbon Facilitate Microbial Reduction of Ferrihydrite. Environmental Science & Technology, 2017, 51, 9709-9717.	4.6	113
85	Effect of electrode potentials on the microbial community of photo bioelectrochemical systems. World Journal of Microbiology and Biotechnology, 2017, 33, 149.	1.7	5
86	Nitrogen recovery from wastewater using microbial fuel cells. Frontiers of Environmental Science and Engineering, 2016, 10, 185-191.	3.3	34
87	<I>In Vivo</I> Toxicity Evaluation of Graphene Oxide in <I>Drosophila Melanogaster</I> After Oral Administration. Journal of Nanoscience and Nanotechnology, 2016, 16, 7472-7478.	0.9	5
88	Effective methods for extracting extracellular polymeric substances from Shewanella oneidensis MR-1. Water Science and Technology, 2016, 74, 2987-2996.	1.2	34
89	The new face of iron oxide nanoparticles: the bullets targeting tumor microenvironment for cancer therapy. Science Bulletin, 2016, 61, 1788-1790.	4.3	5
90	Riboflavin-mediated extracellular electron transfer process involving Pachysolen tannophilus. Electrochimica Acta, 2016, 210, 117-121.	2.6	24

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91	Performance of bioelectrochemical systems inoculated with Desmodesmus sp. A8 under different light sources. Bioremediation Journal, 2016, 20, 233-239.	1.0	4
92	Enhanced bioleaching efficiency of metals from E-wastes driven by biochar. Journal of Hazardous Materials, 2016, 320, 393-400.	6.5	66
93	Microbial synthesis of highly dispersed PdAu alloy for enhanced electrocatalysis. Science Advances, 2016, 2, e1600858.	4.7	85
94	Periodic polarity reversal for stabilizing the pH in two-chamber microbial electrolysis cells. Applied Energy, 2016, 165, 670-675.	5.1	42
95	One additional histone deacetylase and 2 histone acetyltransferases are involved in cellular patterning of Arabidopsis root epidermis. Plant Signaling and Behavior, 2016, 11, e1131373.	1.2	10
96	The Remediation of Chromium (VI)-Contaminated Soils Using Microbial Fuel Cells. Soil and Sediment Contamination, 2016, 25, 1-12.	1.1	64
97	Rapid degradation of sulphamethoxazole and the further transformation of 3-amino-5-methylisoxazole in a microbial fuel cell. Water Research, 2016, 88, 322-328.	5.3	162
98	Pyrosequencing Reveals a Core Community of Anodic Bacterial Biofilms in Bioelectrochemical Systems from China. Frontiers in Microbiology, 2015, 6, 1410.	1.5	40
99	Cancer therapy may get a boost from gold nanorods. Science Bulletin, 2015, 60, 279-280.	4.3	11
100	Bacterial Community Structure of Autotrophic Denitrification Biocathode by 454 Pyrosequencing of the 16S rRNA Gene. Microbial Ecology, 2015, 69, 492-499.	1.4	83
101	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. Nature Communications, 2015, 6, 5988.	5.8	164
102	Fgf-Signaling-Dependent Sox9a and Atoh1a Regulate Otic Neural Development in Zebrafish. Journal of Neuroscience, 2015, 35, 234-244.	1.7	15
103	Nanosurface chemistry and dose govern the bioaccumulation and toxicity of carbon nanotubes, metal nanomaterials and quantum dots in vivo. Science Bulletin, 2015, 60, 3-20.	4.3	96
104	Efficient degradation of sulfamethoxazole and the response of microbial communities in microbial fuel cells. RSC Advances, 2015, 5, 56430-56437.	1.7	79
105	Carbonized textile with free-standing threads as an efficient anode material for bioelectrochemical systems. Journal of Power Sources, 2015, 287, 269-275.	4.0	22
106	Binder-free carbon black/stainless steel mesh composite electrode for high-performance anode in microbial fuel cells. Journal of Power Sources, 2015, 284, 252-257.	4.0	102
107	Bacterial community composition at anodes of microbial fuel cells for paddy soils: the effects of soil properties. Journal of Soils and Sediments, 2015, 15, 926-936.	1.5	51
108	Encapsulation of a living bioelectrode by a hydrogel for bioelectrochemical systems in alkaline media. Journal of Materials Chemistry B, 2015, 3, 4641-4646.	2.9	10

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109	Electrochemical in situ FTIR spectroscopy studies directly extracellular electron transfer of Shewanella oneidensis MR-1. Electrochimica Acta, 2015, 170, 131-139.	2.6	27
110	A role for biosynthetic CdS quantum dots in extracellular electron transfer of Saccharomyces cerevisiae. Process Biochemistry, 2015, 50, 2061-2065.	1.8	27
111	Three-dimensional graphene/Pt nanoparticle composites as freestanding anode for enhancing performance of microbial fuel cells. Science Advances, 2015, 1, e1500372.	4.7	209
112	Cellulose-derived nitrogen and phosphorus dual-doped carbon as high performance oxygen reduction catalyst in microbial fuel cell. Journal of Power Sources, 2015, 273, 1189-1193.	4.0	106
113	Characterization of Exoelectrogenic Bacteria Enterobacter Strains Isolated from a Microbial Fuel Cell Exposed to Copper Shock Load. PLoS ONE, 2014, 9, e113379.	1.1	68
114	Comparative proteomics reveal the impact of OmcA/MtrC deletion on Shewanella oneidensis MR-1 in response to hexavalent chromium exposure. Applied Microbiology and Biotechnology, 2014, 98, 9735-9747.	1.7	20
115	Rice straw-derived activated carbons for the removal of carbofuran from an aqueous solution. New Carbon Materials, 2014, 29, 47-54.	2.9	47
116	Light intensity affects the performance of photo microbial fuel cells with Desmodesmus sp. A8 as cathodic microorganism. Applied Energy, 2014, 116, 86-90.	5.1	102
117	Toxicity of inorganic nanomaterials in biomedical imaging. Biotechnology Advances, 2014, 32, 727-743.	6.0	94
118	Polarization behavior of microbial fuel cells under stack operation. Science Bulletin, 2014, 59, 2214-2220.	1.7	15
119	Ameliorating acidic soil using bioelectrochemistry systems. RSC Advances, 2014, 4, 62544-62549.	1.7	20
120	Extracellular Electron Transfer Mediated by Flavins in Gram-positive Bacillus sp. WS-XY1 and Yeast Pichia stipitis. Electrochimica Acta, 2014, 146, 564-567.	2.6	74
121	Phosphorus-doped carbon derived from cellulose phosphate as efficient catalyst for air-cathode in microbial fuel cells. Journal of Power Sources, 2014, 261, 245-248.	4.0	52
122	Conductive Carbon Nanotube Hydrogel as a Bioanode for Enhanced Microbial Electrocatalysis. ACS Applied Materials & Interfaces, 2014, 6, 8158-8164.	4.0	118
123	Abiotic Oxygen Reduction Reaction Catalysts Used in Microbial Fuel Cells. ChemElectroChem, 2014, 1, 1813-1821.	1.7	108
124	The bacterial communities of bioelectrochemical systems associated with the sulfate removal under different pHs. Process Biochemistry, 2014, 49, 1345-1351.	1.8	52
125	Factors Affecting the Performance of Single-Chamber Soil Microbial Fuel Cells for Power Generation. Pedosphere, 2014, 24, 330-338.	2.1	92
126	Electrocatalytic activity of carbon nanoparticles from diffusion flame towards oxygen reduction. Electrochimica Acta, 2014, 136, 176-181.	2.6	9

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127	Experimental and Theoretical Demonstrations for the Mechanism behind Enhanced Microbial Electron Transfer by CNT Network. Scientific Reports, 2014, 4, 3732.	1.6	42
128	Elastic carbon foam via direct carbonization of polymer foam for flexible electrodes and organic chemical absorption. Energy and Environmental Science, 2013, 6, 2435.	15.6	275
129	Analysis of oxygen reduction and microbial community of air-diffusion biocathode in microbial fuel cells. Bioresource Technology, 2013, 144, 74-79.	4.8	84
130	Effect of pH on sulfate removal from wastewater using a bioelectrochemical system. Chemical Engineering Journal, 2013, 218, 147-153.	6.6	71
131	In situ measurements of dissolved oxygen, pH and redox potential of biocathode microenvironments using microelectrodes. Bioresource Technology, 2013, 132, 387-390.	4.8	42
132	In situ probing the effect of potentials on the microenvironment of heterotrophic denitrification biofilm with microelectrodes. Chemosphere, 2013, 93, 1295-1300.	4.2	31
133	Promoting electrogenic ability of microbes with negative pressure. Journal of Power Sources, 2013, 229, 79-83.	4.0	19
134	Phenothiazine Derivative-Accelerated Microbial Extracellular Electron Transfer in Bioelectrochemical System. Scientific Reports, 2013, 3, 1616.	1.6	30
135	Effects of Bio-Au Nanoparticles on Electrochemical Activity of Shewanella oneidensis Wild Type and Î”omcA/mtrC Mutant. Scientific Reports, 2013, 3, 3307.	1.6	52
136	Isolation, Identification and Characterization of an Electrogenic Microalgae Strain. PLoS ONE, 2013, 8, e73442.	1.1	33
137	Removal of Ethylene and Secondary Organic Aerosols Using UV-C254 + 185 nm with TiO2 Catalyst. Aerosol and Air Quality Research, 2013, 13, 618-626.	0.9	27
138	Sulfur Pollutants Treatment Using Microbial Fuel Cells from Perspectives of Electrochemistry and Microbiology. Chinese Journal of Analytical Chemistry, 2013, 41, 1133.	0.9	1
139	Surface Functionalized Gold Nanorods: Tracking and Observing Live Cell via Three Optical Signals. Journal of Nanoscience and Nanotechnology, 2012, 12, 6893-6899.	0.9	4
140	Chemistry and physics of a single atomic layer: strategies and challenges for functionalization of graphene and graphene-based materials. Chemical Society Reviews, 2012, 41, 97-114.	18.7	487
141	Energy from Plants and Microorganisms: Progress in Plantâ€“Microbial Fuel Cells. ChemSusChem, 2012, 5, 1006-1011.	3.6	90
142	A novel sediment microbial fuel cell with a biocathode in the rice rhizosphere. Bioresource Technology, 2012, 108, 55-59.	4.8	128
143	Gadolinium metallofullerenol nanoparticles inhibit cancer metastasis through matrix metalloproteinase inhibition: imprisoning instead of poisoning cancer cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 136-146.	1.7	101
144	Dynamic changes in the microbial community composition in microbial fuel cells fed with sucrose. Applied Microbiology and Biotechnology, 2012, 93, 423-437.	1.7	79

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145	Low-toxic and safe nanomaterials by surface-chemical design, carbon nanotubes, fullerenes, metallofullerenes, and graphenes. Nanoscale, 2011, 3, 362-382.	2.8	264
146	Cellular Uptake, Intracellular Trafficking, and Cytotoxicity of Nanomaterials. Small, 2011, 7, 1322-1337.	5.2	975
147	A Role for Microbial Palladium Nanoparticles in Extracellular Electron Transfer. Angewandte Chemie - International Edition, 2011, 50, 427-430.	7.2	121
148	Sorting the Unique Chirality, Right Handed Single Wall Carbon Nanotubes via the Dye Modified ssDNA. Journal of Nanoscience and Nanotechnology, 2011, 11, 7587-7592.	0.9	1
149	Ag Nanoparticles Coated SWCNT with Surface Enhanced Raman Scattering (SERS) Signals. Journal of Nanoscience and Nanotechnology, 2010, 10, 8538-8543.	0.9	5
150	Chemistry of carbon nanotubes in biomedical applications. Journal of Materials Chemistry, 2010, 20, 1036-1052.	6.7	235
151	Potent Angiogenesis Inhibition by the Particulate Form of Fullerene Derivatives. ACS Nano, 2010, 4, 2773-2783.	7.3	148
152	Comparative study on the performance of pyrolyzed and plasma-treated iron(II) phthalocyanine-based catalysts for oxygen reduction in pH neutral electrolyte solutions. Journal of Power Sources, 2009, 193, 86-92.	4.0	54
153	Factors affecting the performance of microbial fuel cells for sulfur pollutants removal. Biosensors and Bioelectronics, 2009, 24, 1931-1936.	5.3	114
154	A one-compartment fructose/air biological fuel cell based on direct electron transfer. Biosensors and Bioelectronics, 2009, 25, 326-331.	5.3	56
155	Direct electron transfer of glucose oxidase immobilized in an ionic liquid reconstituted celluloseâ€“carbon nanotube matrix. Bioelectrochemistry, 2009, 77, 64-68.	2.4	70
156	Techniques for the study and development of microbial fuel cells: an electrochemical perspective. Chemical Society Reviews, 2009, 38, 1926.	18.7	395
157	Activities related to health, environmental and societal aspects of nanotechnology in China. Journal of Cleaner Production, 2008, 16, 1000-1002.	4.6	16
158	Bio-distribution and metabolic paths of silica coated CdSeS quantum dots. Toxicology and Applied Pharmacology, 2008, 230, 364-371.	1.3	145
159	Activated Carbon Cloth as Anode for Sulfate Removal in a Microbial Fuel Cell. Environmental Science & Technology, 2008, 42, 4971-4976.	4.6	236
160	The translocation of fullerenic nanoparticles into lysosome via the pathway of clathrin-mediated endocytosis. Nanotechnology, 2008, 19, 145102.	1.3	103
161	Age-Related Differences in Pulmonary and Cardiovascular Responses to SiO₂ Nanoparticle Inhalation: Nanotoxicity Has Susceptible Population. Environmental Science & Technology, 2008, 42, 8985-8992.	4.6	124
162	Isomeric and Structural Impacts on Electron Acceptability of Carbon Cages in Atom-Bridged Fullerene Dimers. Journal of Physical Chemistry C, 2008, 112, 741-746.	1.5	4

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163	Detection of Trace Hg2+ via Induced Circular Dichroism of DNA Wrapped Around Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2008, 130, 9190-9191.	6.6	99
164	The Strong MRI Relaxivity of Paramagnetic Nanoparticles. Journal of Physical Chemistry B, 2008, 112, 6288-6291.	1.2	51
165	Modulation of Structural and Electronic Properties of Fullerene and Metallofullerenes by Surface Chemical Modifications. Journal of Nanoscience and Nanotechnology, 2007, 7, 1085-1101.	0.9	26
166	Photochemical and Photophysical Properties of Three Carbon-Bridged Fullerene Dimers:â€‰ C121 (I, II, III). Journal of Physical Chemistry B, 2007, 111, 6344-6348.	1.2	11
167	Switchable Semiconductive Property of the Polyhydroxylated Metallofullerene. Journal of Physical Chemistry B, 2007, 111, 11929-11934.	1.2	19
168	Ultrahigh reactivity provokes nanotoxicity: Explanation of oral toxicity of nano-copper particles. Toxicology Letters, 2007, 175, 102-110.	0.4	243
169	Evaluation of catalytic properties of tungsten carbide for the anode of microbial fuel cells. Applied Catalysis B: Environmental, 2007, 74, 261-269.	10.8	121
170	Ultrahigh reactivity and grave nanotoxicity of copper nanoparticles. Journal of Radioanalytical and Nuclear Chemistry, 2007, 272, 595-598.	0.7	30
171	Identification of target organs of copper nanoparticles with ICP-MS technique. Journal of Radioanalytical and Nuclear Chemistry, 2007, 272, 599-603.	0.7	45
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