

Fang Zhang

List of Publications by Year in descending order

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111
papers

5,113
citations

76326

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95266

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113
all docs

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docs citations

113
times ranked

4896
citing authors

#	ARTICLE	IF	CITATIONS
1	Varieties of publicâ€private co-governance on cybersecurity within the digital trade: implications from Huaweiâ€™s 5G. <i>Journal of Chinese Governance</i> , 2022, 7, 81-110.	1.7	11
2	A highly sensitive dual-readout assay for perfluorinated compounds based CdTe quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120753.	3.9	3
3	Removal of refractory organics and heavy metals in landfill leachate concentrate by peroxi-coagulation process. <i>Journal of Environmental Sciences</i> , 2022, 116, 43-51.	6.1	27
4	Characterization and Calculation of the Dynamic Recrystallization Texture in Fe-3.0 Wt.% Si Alloy. <i>Materials</i> , 2022, 15, 517.	2.9	1
5	Controllable synthesis of Na, K-based titanium oxide nanoribbons as functional electrodes for supercapacitors and separation of aqueous ions. <i>New Journal of Chemistry</i> , 2022, 46, 5100-5110.	2.8	0
6	Texture Evolution by Strain-Induced Boundary Migration during Hot Deformation of Fe-3.0 wt.% Si Alloy: Experiment and Modeling. <i>Metals</i> , 2022, 12, 360.	2.3	0
7	The policy coordinator role of national development banks in scaling climate finance: Evidence from the renewable energy sector. <i>Climate Policy</i> , 2022, 22, 754-769.	5.1	8
8	Occurrence of PFASs and its effect on soil bacteria at a fire-training area using PFOS-restricted aqueous film-forming foams. <i>IScience</i> , 2022, 25, 104084.	4.1	5
9	One-pot hydrothermal synthesis of Si-doped carbon quantum dots with up-conversion fluorescence as fluorescent probes for dual-readout detection of berberine hydrochloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 275, 121139.	3.9	13
10	Response and contribution of bacterial and archaeal communities to eutrophication in urban river sediments. <i>Environmental Pollution</i> , 2022, 306, 119397.	7.5	11
11	Quercetin Protects Ethanol-Induced Hepatocyte Pyroptosis via Scavenging Mitochondrial ROS and Promoting PGC-1 β -Regulated Mitochondrial Homeostasis in L02 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	4.0	23
12	Climate finance policy in practice: a review of the evidence. <i>Climate Policy</i> , 2021, 21, 529-545.	5.1	70
13	Effect of current density on groundwater arsenite removal performance using air cathode electrocoagulation. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	6
14	Classification and Recognition Model of Water Saturation Level of Rock Based on Near-Infrared Spectroscopy. <i>Geotechnical Testing Journal</i> , 2021, 44, 564-583.	1.0	1
15	Controllable Design and Preparation of Hollow Carbon-Based Nanotubes for Asymmetric Supercapacitors and Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21217-21230.	8.0	35
16	The transcription factor AtGLK1 acts upstream of MYBL2 to genetically regulate sucrose-induced anthocyanin biosynthesis in Arabidopsis. <i>BMC Plant Biology</i> , 2021, 21, 242.	3.6	16
17	Enhancing DNAPL removal from low permeability zone using electrical resistance heating with pulsed direct current. <i>Journal of Hazardous Materials</i> , 2021, 413, 125455.	12.4	19
18	Rapid Secondary Recrystallization of the Goss Texture in Fe ₈₁ Ga ₁₉ Sheets Using Nanosized NbC Particles. <i>Materials</i> , 2021, 14, 3818.	2.9	6

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19	From fossil to low carbon: The evolution of global public energy innovation. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2021, 12, e734.	8.1	18
20	Complete Goss Secondary Recrystallization by Control of the Grain Size and Texture of Primary Recrystallization in Grain-Oriented Silicon Steel. <i>Materials</i> , 2021, 14, 5383.	2.9	7
21	Indirect effect of nutrient accumulation intensified toxicity risk of metals in sediments from urban river network. <i>Environmental Science and Pollution Research</i> , 2020, 27, 6193-6204.	5.3	14
22	Janus Electrode of Asymmetric Wettability for H ₂ O ₂ Production with Highly Efficient O ₂ Utilization. <i>ACS Applied Energy Materials</i> , 2020, 3, 705-714.	5.1	44
23	Disturbance, carbon physicochemical structure, and soil microenvironment codetermine soil organic carbon stability in oilfields. <i>Environment International</i> , 2020, 135, 105390.	10.0	13
24	A "Trojan Horse" Camouflage Strategy for High-Performance Cellulose Paper and Separators. <i>Advanced Functional Materials</i> , 2020, 30, 2002169.	14.9	42
25	Preparation and characterization of colorful graphene oxide papers and flexible N-doping graphene papers for supercapacitor and capacitive deionization. , 2020, 2, 656-674.		32
26	Low permeability zone remediation of trichloroethene via coupling electrokinetic migration with in situ electrochemical hydrodechlorination. <i>Chemosphere</i> , 2020, 250, 126209.	8.2	13
27	A complete route for biodegradation of potentially carcinogenic cyanotoxin microcystin-LR in a novel indigenous bacterium. <i>Water Research</i> , 2020, 174, 115638.	11.3	97
28	Different response of bacterial community to the changes of nutrients and pollutants in sediments from an urban river network. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	32
29	Soil organic carbon stability under natural and anthropogenic-induced perturbations. <i>Earth-Science Reviews</i> , 2020, 205, 103199.	9.1	39
30	High specific surface area porous graphene grids carbon as anode materials for sodium ion batteries. <i>Journal of Energy Chemistry</i> , 2019, 31, 159-166.	12.9	40
31	Carbon Black Oxidized by Air Calcination for Enhanced H ₂ O ₂ Generation and Effective Organics Degradation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27846-27853.	8.0	106
32	Fabrication of a 1D Mn ₃ O ₄ nano-rod electrode for aqueous asymmetric supercapacitors and capacitive deionization. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 355-365.	6.0	11
33	Onsite quantifying electron donating capacity of dissolved organic matter. <i>Science of the Total Environment</i> , 2019, 662, 57-64.	8.0	16
34	A Robust Salty Water Adhesive by Counterion Exchange Induced Coacervate. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800758.	3.9	14
35	Facile Preparation of Lignin-Based Underwater Adhesives with Improved Performances. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4508-4514.	6.7	51
36	A bimetallic thermally regenerative ammonia-based battery for high power density and efficiently harvesting low-grade thermal energy. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5991-6000.	10.3	56

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37	Role of Humic Acid Chemical Structure Derived from Different Biomass Feedstocks on Fe(III) Bioreduction Activity: Implication for Sustainable Use of Bioresources. <i>Catalysts</i> , 2019, 9, 450.	3.5	6
38	A three chamber bioelectrochemical system appropriate for in-situ remediation of nitrate-contaminated groundwater and its reaction mechanisms. <i>Water Research</i> , 2019, 158, 401-410.	11.3	48
39	A Three-dimensional Floating Air Cathode with Dual Oxygen Supplies for Energy-efficient Production of Hydrogen Peroxide. <i>Scientific Reports</i> , 2019, 9, 1817.	3.3	21
40	Tardigrade inspired polyelectrolyte complexation and functional materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27450-27457.	10.3	2
41	Scaling up floating air cathodes for energy-efficient H ₂ O ₂ generation and electrochemical advanced oxidation processes. <i>Electrochimica Acta</i> , 2019, 299, 273-280.	5.2	33
42	How do fungal communities and their interaction with bacterial communities influence dissolved organic matter on the stability and safety of sludge compost?. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4141-4146.	5.3	19
43	Highly selective fluorescent visual detection of perfluorooctane sulfonate via blue fluorescent carbon dots and berberine chloride hydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 207, 262-269.	3.9	37
44	Microbial functional gene patterns related to soil greenhouse gas emissions in oil contaminated areas. <i>Science of the Total Environment</i> , 2018, 628-629, 94-102.	8.0	33
45	Increased soil methane emissions and methanogenesis in oil contaminated areas. <i>Land Degradation and Development</i> , 2018, 29, 563-571.	3.9	13
46	Emerging electrochemical and membrane-based systems to convert low-grade heat to electricity. <i>Energy and Environmental Science</i> , 2018, 11, 276-285.	30.8	172
47	A Cu Ni bimetallic cathode with nanostructured copper array for enhanced hydrodechlorination of trichloroethylene (TCE). <i>Science of the Total Environment</i> , 2018, 635, 1417-1425.	8.0	36
48	Preparation and properties of antioxidative BaOâ€“B ₂ O ₃ â€“SiO ₂ glass-coated Cu powder for copper conductive film on LTCC substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 130-137.	2.2	8
49	Construction of a Self-Powered System for Simultaneous In Situ Remediation of Nitrate and Cr(VI) Contaminated Synthetic Groundwater and River Sediment. <i>Sustainability</i> , 2018, 10, 2806.	3.2	2
50	Wavelet-based data compression for wide-area measurement data of oscillations. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018, 6, 1128-1140.	5.4	8
51	Image Features of Face Recognition and Matching Techniques Research Based on Machine Learning. , 2018, , .		1
52	Tradeoff between groundwater arsenite removal efficiency and current production in the self-powered air cathode electrocoagulation with different oxygen reduction pathways. <i>Journal of Hazardous Materials</i> , 2018, 357, 138-145.	12.4	21
53	Enhanced degradation of ibuprofen by heterogeneous electro-Fenton at circumneutral pH. <i>Chemosphere</i> , 2018, 209, 998-1006.	8.2	68
54	Impact of Ohmic Resistance on Measured Electrode Potentials and Maximum Power Production in Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2018, 52, 8977-8985.	10.0	73

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55	Roles of bacterial community in the transformation of dissolved organic matter for the stability and safety of material during sludge composting. <i>Bioresource Technology</i> , 2018, 267, 378-385.	9.6	104
56	Prediction Based Hierarchical Compensation for Delays in Wide-Area Control Systems. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 3897-3899.	9.0	11
57	Occurrence and spatial distribution of perfluorinated compounds in groundwater receiving reclaimed water through river bank infiltration. <i>Chemosphere</i> , 2018, 211, 1203-1211.	8.2	19
58	A mobile, modular and rapidly-acting treatment system for optimizing and improving the removal of non-aqueous phase liquids (NAPLs) in groundwater. <i>Journal of Hazardous Materials</i> , 2018, 360, 639-650.	12.4	19
59	Optical Limiting of Carboxylâ€“Graphene Oxide. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 200-205.	2.9	6
60	One-Pot Hydrothermal Synthesis of Carbon Dots with Efficient Up- and Down-Converted Photoluminescence for the Sensitive Detection of Morin in a Dual-Readout Assay. <i>Langmuir</i> , 2017, 33, 1043-1050.	3.5	140
61	Preparation of magnetic molecularly imprinted polymers for the rapid and selective separation and enrichment of perfluorooctane sulfonate. <i>Journal of Separation Science</i> , 2017, 40, 2819-2826.	2.5	20
62	Current density reversibly alters metabolic spatial structure of exoelectrogenic anode biofilms. <i>Journal of Power Sources</i> , 2017, 356, 566-571.	7.8	40
63	Energy-Efficient Oxidation and Removal of Arsenite from Groundwater Using Air-Cathode Iron Electrocoagulation. <i>Environmental Science and Technology Letters</i> , 2017, 4, 71-75.	8.7	46
64	A Three-electrode Electro-Fenton System Supplied by Self-generated Oxygen with Automatic pH-regulation for Groundwater Remediation. <i>Electrochimica Acta</i> , 2017, 250, 42-48.	5.2	33
65	Removal of copper from water using a thermally regenerative electrodeposition battery. <i>Journal of Hazardous Materials</i> , 2017, 322, 551-556.	12.4	67
66	Internet information applied in the energy internet planning: A review and outlook. , 2017, , .		4
67	Concept and analysis of discrete energy internet. , 2017, , .		1
68	Energy Internet: Concept and practice exploration. , 2017, , .		36
69	Modeling and analysis of secondary controlled virtual synchronous generator with dynamic droop for microgrid. , 2017, , .		1
70	China's soil and groundwater management challenges: Lessons from the UK's experience and opportunities for China. <i>Environment International</i> , 2016, 91, 196-200.	10.0	47
71	Oneâ€“Step Exfoliation and Hydroxylation of Boron Nitride Nanosheets with Enhanced Optical Limiting Performance. <i>Advanced Optical Materials</i> , 2016, 4, 141-146.	7.3	99
72	China released the Action Plan on Prevention and Control of Soil Pollution. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	6.0	17

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73	Estimation and measurement of closed-loop delays in the actual WACS of Guizhou Power Grid. , 2016, ,		3
74	Highly sensitive and selective detection of perfluorooctane sulfonate based on the Janus Green B resonance light scattering method. <i>Analytical Methods</i> , 2016, 8, 8042-8048.	2.7	26
75	A simple and highly sensitive assay of perfluorooctanoic acid based on resonance light scattering technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 7-12.	3.9	16
76	An Fe-Mn binary oxide (FMBO) modified electrode for effective electrochemical advanced oxidation at neutral pH. <i>Electrochimica Acta</i> , 2016, 194, 104-109.	5.2	31
77	Importin-7 mediates memory consolidation through regulation of nuclear translocation of training-activated MAPK in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3072-3077.	7.1	24
78	Evaluation and Exploration of Favorable QTL Alleles for Salt Stress Related Traits in Cotton Cultivars (<i>G. hirsutum</i> L.). <i>PLoS ONE</i> , 2016, 11, e0151076.	2.5	67
79	Application of a Real-Time Data Compression and Adapted Protocol Technique for WAMS. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 653-662.	6.5	56
80	Measurement and Modeling of Delays in Wide-Area Closed-Loop Control Systems. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 2426-2433.	6.5	91
81	Enhancing Low-Grade Thermal Energy Recovery in a Thermally Regenerative Ammonia Battery Using Elevated Temperatures. <i>ChemSusChem</i> , 2015, 8, 1043-1048.	6.8	84
82	A thermally regenerative ammonia-based battery for efficient harvesting of low-grade thermal energy as electrical power. <i>Energy and Environmental Science</i> , 2015, 8, 343-349.	30.8	165
83	Reference and counter electrode positions affect electrochemical characterization of bioanodes in different bioelectrochemical systems. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1931-1939.	3.3	61
84	Air humidity and water pressure effects on the performance of air-cathode microbial fuel cell cathodes. <i>Journal of Power Sources</i> , 2014, 247, 655-659.	7.8	41
85	Electrochemical study of multi-electrode microbial fuel cells under fed-batch and continuous flow conditions. <i>Journal of Power Sources</i> , 2014, 257, 454-460.	7.8	36
86	Intermittent contact of fluidized anode particles containing exoelectrogenic biofilms for continuous power generation in microbial fuel cells. <i>Journal of Power Sources</i> , 2014, 261, 278-284.	7.8	62
87	Treating refinery wastewaters in microbial fuel cells using separator electrode assembly or spaced electrode configurations. <i>Bioresource Technology</i> , 2014, 152, 46-52.	9.6	58
88	Different electrode configurations to optimize performance of multi-electrode microbial fuel cells for generating power or treating domestic wastewater. <i>Journal of Power Sources</i> , 2014, 249, 440-445.	7.8	74
89	Long-Term Performance of Chemically and Physically Modified Activated Carbons in Air Cathodes of Microbial Fuel Cells. <i>ChemElectroChem</i> , 2014, 1, 1859-1866.	3.4	143
90	Patterned ion exchange membranes for improved power production in microbial reverse-electrodialysis cells. <i>Journal of Power Sources</i> , 2014, 271, 437-443.	7.8	58

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91	Poly(vinylidene fluoride-co-hexafluoropropylene) phase inversion coating as a diffusion layer to enhance the cathode performance in microbial fuel cells. <i>Journal of Power Sources</i> , 2014, 269, 379-384.	7.8	29
92	Single-Step Fabrication Using a Phase Inversion Method of Poly(vinylidene fluoride) (PVDF) Activated Carbon Air Cathodes for Microbial Fuel Cells. <i>Environmental Science and Technology Letters</i> , 2014, 1, 416-420.	8.7	145
93	Methane Production in Microbial Reverse-Electrodialysis Methanogenesis Cells (MRMCs) Using Thermolytic Solutions. <i>Environmental Science & Technology</i> , 2014, 48, 8911-8918.	10.0	76
94	A microbial fluidized electrode electrolysis cell (MFEEC) for enhanced hydrogen production. <i>Journal of Power Sources</i> , 2014, 271, 530-533.	7.8	42
95	Poly(vinyl alcohol) separators improve the coulombic efficiency of activated carbon cathodes in microbial fuel cells. <i>Electrochemistry Communications</i> , 2013, 34, 150-152.	4.7	31
96	Optimization of membrane stack configuration for efficient hydrogen production in microbial reverse-electrodialysis electrolysis cells coupled with thermolytic solutions. <i>Bioresource Technology</i> , 2013, 140, 399-405.	9.6	50
97	Oxygen-Reducing Biocathodes Operating with Passive Oxygen Transfer in Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2013, 47, 2085-2091.	10.0	99
98	The use of cloth fabric diffusion layers for scalable microbial fuel cells. <i>Biochemical Engineering Journal</i> , 2013, 73, 49-52.	3.6	18
99	Electrochemical analysis of separators used in single-chamber, air-cathode microbial fuel cells. <i>Electrochimica Acta</i> , 2013, 89, 45-51.	5.2	39
100	Improving startup performance with carbon mesh anodes in separator electrode assembly microbial fuel cells. <i>Bioresource Technology</i> , 2013, 133, 74-81.	9.6	58
101	Use of Pyrolyzed Iron Ethylenediaminetetraacetic Acid Modified Activated Carbon as Air Cathode Catalyst in Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7862-7866.	8.0	93
102	Minimal RED Cell Pairs Markedly Improve Electrode Kinetics and Power Production in Microbial Reverse Electrodialysis Cells. <i>Environmental Science & Technology</i> , 2013, 47, 14518-14524.	10.0	33
103	A cellular automata model for simulating the evolution of positive/negative terrains in a small loess watershed. <i>International Journal of Geographical Information Science</i> , 2013, 27, 1349-1363.	4.8	22
104	Genotypic variation for potassium efficiency in wild and domesticated watermelons under ample and limited potassium supply. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 466-473.	1.9	12
105	Novel anti-flooding poly(dimethylsiloxane) (PDMS) catalyst binder for microbial fuel cell cathodes. <i>Journal of Power Sources</i> , 2012, 218, 100-105.	7.8	70
106	Performance of two different types of anodes in membrane electrode assembly microbial fuel cells for power generation from domestic wastewater. <i>Journal of Power Sources</i> , 2011, 196, 8293-8300.	7.8	97
107	Power generation using carbon mesh cathodes with different diffusion layers in microbial fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 9317-9321.	7.8	35
108	Long-term performance of activated carbon air cathodes with different diffusion layer porosities in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011, 30, 49-55.	10.1	255

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109	Mesh optimization for microbial fuel cell cathodes constructed around stainless steel mesh current collectors. <i>Journal of Power Sources</i> , 2011, 196, 1097-1102.	7.8	89
110	Microbial Fuel Cell Cathodes With Poly(dimethylsiloxane) Diffusion Layers Constructed around Stainless Steel Mesh Current Collectors. <i>Environmental Science & Technology</i> , 2010, 44, 1490-1495.	10.0	155
111	Power generation using an activated carbon and metal mesh cathode in a microbial fuel cell. <i>Electrochemistry Communications</i> , 2009, 11, 2177-2179.	4.7	358