

Guangcan Zhu

List of Publications by Year in descending order

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747
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#	ARTICLE	IF	CITATIONS
1	Modelling of self-sustainable microbial fuel cell type oil sensors based on restricted oxygen transfer and two-population competition. <i>Science of the Total Environment</i> , 2022, 806, 151333.	3.9	5
2	In-situ monitoring of membrane fouling migration and compression mechanism with improved Ultraviolet technique in membrane bioreactors. <i>Bioresource Technology</i> , 2022, 347, 126684.	4.8	2
3	Simultaneous denitrification and antibiotic degradation of low-C/N-ratio wastewater by a three-dimensional biofilm-electrode reactor: Performance and microbial response. <i>Environmental Research</i> , 2022, 210, 112856.	3.7	8
4	Mixotrophic Cultivation of Microalgae Using Biogas as the Substrate. <i>Environmental Science & Technology</i> , 2022, 56, 3669-3677.	4.6	17
5	Enhanced Removal of Metronidazole from Aqueous Solutions via Bioelectrochemical Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	0.7	5
6	Electron-Level Mechanistic Insights into Ce Doping for Enhanced Efficiency Degradation of Bisphenol A under Visible Light Irradiation. <i>Nanomaterials</i> , 2022, 12, 1382.	1.9	6
7	Fuzzy credibility-constrained quadratic optimization for booster chlorination of the water distribution system under uncertainty. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2022, 71, 608-627.	0.6	3
8	Effects of ozonation on disinfection by-product formation potentials and biostability in a pilot-scale drinking water treatment plant with micro-polluted water. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1260-1270.	1.2	18
9	Novel S-doped BiOBr nanosheets for the enhanced photocatalytic degradation of bisphenol A under visible light irradiation. <i>Chemosphere</i> , 2021, 268, 128854.	4.2	51
10	Male reproductive toxicity involved in spermatogenesis induced by perfluorooctane sulfonate and perfluorooctanoic acid in <i>Caenorhabditis elegans</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 1443-1453.	2.7	19
11	Simultaneous nitrification and denitrification in the bio-cathode of a multi-anode microbial fuel cell. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1260-1270.	1.2	18
12	Simultaneous catalytic ozonation degradation of metronidazole and removal of heavy metal from aqueous solution using nano-magnesium hydroxide. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 894-904.	1.2	12
13	Simultaneous removal of sulfamethoxazole and enhanced denitrification process from simulated municipal wastewater by a novel 3D-BER system. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 23-38.	1.4	4
14	Size and resin fractionations of dissolved organic matter and characteristics of disinfection by-product precursors in a pilot-scale constructed wetland. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 1481-1494.	1.0	5
15	Analysis of reliability and belief degree for water distribution system based on fuzzy set theory. <i>Urban Water Journal</i> , 2021, 18, 497-509.	1.0	3
16	Long-term electricity generation and denitrification performance of MFCs with different exchange membranes and electrode materials. <i>Bioelectrochemistry</i> , 2021, 140, 107748.	2.4	25
17	On-line monitoring of minor oil spills in natural waters using sediment microbial fuel cell sensors equipped with vertical floating cathodes. <i>Science of the Total Environment</i> , 2021, 782, 146549.	3.9	16
18	Constraining nitrification by intermittent aeration to achieve methane-driven ammonia recovery of the mainstream anaerobic effluent. <i>Journal of Environmental Management</i> , 2021, 295, 113103.	3.8	4

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19	Analysis of Water Distribution System under Uncertainty Based on Genetic Algorithm and Trapezoid Fuzzy Membership. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2021, 12, .	0.9	1
20	Evaluation of water quality reliability based on entropy in water distribution system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 584, 126373.	1.2	8
21	Enhanced ozonation of antibiotics using magnetic Mg(OH) ₂ nanoparticles made through magnesium recovery from discarded bischofite. <i>Chemosphere</i> , 2020, 238, 124694.	4.2	31
22	Risk associated with increasing bromide in drinking water sources in Yancheng City, China. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 36.	1.3	6
23	Probabilistic human health risk assessment of arsenic under uncertainty in drinking water sources in Jiangsu Province, China. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2023-2037.	1.8	14
24	Tertiary denitrification and organic matter variations of secondary effluent from wastewater treatment plant by the 3D-BER system. <i>Environmental Research</i> , 2020, 189, 109937.	3.7	12
25	The indispensable role of assimilation in methane driven nitrate removal. <i>Science of the Total Environment</i> , 2020, 746, 141089.	3.9	14
26	Utilization of rural domestic sewage Tailwaters by <i>Ipomoea aquatica</i> in different hydroponic vegetable and constructed wetland systems. <i>Water Science and Technology</i> , 2020, 82, 386-400.	1.2	5
27	Effect of the C/N Ratio on Biodegradation of Ciprofloxacin and Denitrification from Low C/N Wastewater as Assessed by a Novel 3D-BER System. <i>Sustainability</i> , 2020, 12, 7611.	1.6	5
28	Electron transfer pathways and kinetic analysis of cathodic simultaneous nitrification and denitrification process in microbial fuel cell system. <i>Environmental Research</i> , 2020, 186, 109505.	3.7	18
29	Deep learning for predicting the occurrence of cardiopulmonary diseases in Nanjing, China. <i>Chemosphere</i> , 2020, 257, 127176.	4.2	13
30	The relationship between energy production and simultaneous nitrification and denitrification via bioelectric derivation of microbial fuel cells at different anode numbers. <i>Environmental Research</i> , 2020, 184, 109247.	3.7	24
31	Particulate matter pollution and hospital outpatient visits for endocrine, digestive, urological, and dermatological diseases in Nanjing, China. <i>Environmental Pollution</i> , 2020, 261, 114205.	3.7	24
32	Effects of Exogenous N-Acyl-Homoserine Lactone as Signal Molecule on <i>Nitrosomonas Europaea</i> under ZnO Nanoparticle Stress. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3003.	1.2	3
33	Removal Characteristics of Steroid Estrogen in the Mixed System through an Ozone-Based Advanced Oxidation Process. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	5
34	Removal of Sulfamethoxazole, Sulfathiazole and Sulfamethazine in their Mixed Solution by UV/H ₂ O ₂ Process. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1797.	1.2	24
35	Evaluation of Physicochemical Characteristics in Drinking Water Sources Emphasized on Fluoride: A Case Study of Yancheng, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1030.	1.2	11
36	Catalytic Ozonation of Sulfonamide, Fluoroquinolone, and Tetracycline Antibiotics Using Nano-Magnesium Hydroxide from Natural Bischofite. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	11

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37	Health risk assessment of trihalomethanes in water treatment plants in Jiangsu Province, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 346-354.	2.9	38
38	Analysis of water quality characteristic for water distribution systems. <i>Journal of Water Reuse and Desalination</i> , 2019, 9, 152-162.	1.2	3
39	Fates and Impacts of Nanomaterial Contaminants in Biological Wastewater Treatment System: a Review. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	29
40	Variation and relationship of THMs between tap water and finished water in Yancheng City, China. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 517.	1.3	5
41	Regulation of membrane fixation and energy production/conversion for adaptation and recovery of ZnO nanoparticle impacted <i>Nitrosomonas europaea</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2953-2965.	1.7	22
42	Removal Characteristics of Organic Pollutants from Eutrophic Raw Water by Biological Pretreatment Reactors. <i>Journal of Chemistry</i> , 2016, 2016, 1-7.	0.9	2
43	Toxicity of binary mixtures of metal oxide nanoparticles to <i>Nitrosomonas europaea</i> . <i>Chemosphere</i> , 2016, 153, 187-197.	4.2	49
44	Physiological and transcriptional responses of <i>Nitrosomonas europaea</i> to TiO ₂ and ZnO nanoparticles and their mixtures. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13023-13034.	2.7	26
45	Microcystin-Degrading Activity of an Indigenous Bacterial Strain <i>Stenotrophomonas acidaminiphila</i> MC-LTH2 Isolated from Lake Taihu. <i>PLoS ONE</i> , 2014, 9, e86216.	1.1	40
46	Simultaneous carbon removal, denitrification and power generation in a membrane-less microbial fuel cell. <i>Bioresource Technology</i> , 2013, 146, 1-6.	4.8	40