

Jun Chen

List of Publications by Year in descending order

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31
papers

1,306
citations

566801

15
h-index

454577

30
g-index

34
all docs

34
docs citations

34
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhizosphere Microbiome Assembly and Its Impact on Plant Growth. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5024-5038.	2.4	238
2	Enhanced denitrification performance of <i>Alcaligenes</i> sp. TB by Pd stimulating to produce membrane adaptation mechanism coupled with nanoscale zero-valent iron. <i>Science of the Total Environment</i> , 2020, 708, 135063.	3.9	150
3	Enhanced adsorption and reduction performance of nitrate by Fe-Pd-Fe ₃ O ₄ embedded multi-walled carbon nanotubes. <i>Chemosphere</i> , 2021, 281, 130718.	4.2	125
4	Carbonic Anhydrase Enzyme-MOFs Composite with a Superior Catalytic Performance to Promote CO ₂ Absorption into Tertiary Amine Solution. <i>Environmental Science & Technology</i> , 2018, 52, 12708-12716.	4.6	122
5	Characteristics and metabolic pathway of <i>Alcaligenes</i> sp. TB for simultaneous heterotrophic nitrification-aerobic denitrification. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9787-9794.	1.7	94
6	Improvement of <i>Alcaligenes</i> sp. TB performance by Fe-Pd/multi-walled carbon nanotubes: Enriched denitrification pathways and accelerated electron transport. <i>Bioresource Technology</i> , 2021, 327, 124785.	4.8	91
7	Bamboo charcoal fused with polyurethane foam for efficiently removing organic solvents from wastewater: experimental and simulation. <i>Biochar</i> , 2022, 4, .	6.2	84
8	Improvement of electron transfer efficiency during denitrification process by Fe-Pd/multi-walled carbon nanotubes: Possessed redox characteristics and secreted endogenous electron mediator. <i>Science of the Total Environment</i> , 2021, 781, 146686.	3.9	76
9	Pollution characteristics and source analysis of microplastics in the Qiantang River in southeastern China. <i>Chemosphere</i> , 2022, 293, 133576.	4.2	63
10	Process Optimization of Electrochemical Oxidation of Ammonia to Nitrogen for Actual Dyeing Wastewater Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2931.	1.2	41
11	A fungus-bacterium co-culture synergistically promoted nitrogen removal by enhancing enzyme activity and electron transfer. <i>Science of the Total Environment</i> , 2021, 754, 142109.	3.9	31
12	Mutual inhibition mechanism of simultaneous catalytic removal of NO and toluene on Mn-based catalysts. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1189-1200.	5.0	24
13	Gene cloning, expression, and reducing property enhancement of nitrous oxide reductase from <i>Alcaligenes denitrificans</i> strain TB. <i>Environmental Pollution</i> , 2018, 239, 43-52.	3.7	22
14	Effects of carbon nanotube on denitrification performance of <i>Alcaligenes</i> sp. TB: Promotion of electron generation, transportation and consumption. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109507.	2.9	22
15	N ₂ O production in the Fe(EDTA)-NO reduction process: the effects of carbon source and pH. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1373-1380.	1.7	17
16	Fe(EDTA)-NO Reduction by Mn Powder in Wet Flue Gas Denitrification Technology Coupled with Mn ²⁺ Recycling: Performance, Kinetics, and Mechanism. <i>Energy & Fuels</i> , 2020, 34, 2590-2598.	2.5	17
17	A newly isolated and rapid denitrifier <i>Pseudomonas citronellolis</i> WXP-4: difference in N ₂ O emissions under aerobic and anaerobic conditions. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 811-820.	1.7	12
18	Bamboo charcoal powder-based polyurethane as packing material in biotrickling filter for simultaneous removal of n-hexane and dichloromethane. <i>Bioresource Technology</i> , 2022, 345, 126427.	4.8	12

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19	Increasing N,N-dimethylacetamide degradation and mineralization efficiency by co-culture of <i>Rhodococcus ruber</i> HJM-8 and <i>Paracoccus communis</i> YBH-X. <i>Chemosphere</i> , 2022, 303, 134935.	4.2	9
20	Simultaneous removal of SO ₂ and NO by FeII(EDTA) solution: promotion of Mn powder and mechanism of reduction. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28808-28816.	2.7	8
21	Heterologous expression and functional study of nitric oxide reductase catalytic reduction peptide from <i>Achromobacter denitrificans</i> strain TB. <i>Chemosphere</i> , 2020, 253, 126739.	4.2	8
22	Prediction and inhibition of the N ₂ O accumulation in the BioDeNO _x process for NO _x removal from flue gas. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1859-1865.	1.7	7
23	Control of H ₂ S generation in simultaneous removal of NO and SO ₂ by rotating drum biofilter coupled with Fe ^{II} (EDTA). <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1074-1084.	1.0	1
24	Rapid and Complete Biodegradation of Acrylic Acid by a Novel Strain <i>Rhodococcus ruber</i> JJ-3: Kinetics, Carbon Balance, and Degradation Pathways. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 589-598.	1.4	7
25	<i>nosZ</i> gene cloning, reduction performance and structure of <i>Pseudomonas citronellolis</i> WXP-4 nitrous oxide reductase. <i>RSC Advances</i> , 2022, 12, 2549-2557.	1.7	5
26	Efficient biotransformation of sulfide in anaerobic sequencing batch reactor by composite microbial agent: performance optimization and microbial community analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 48718-48727.	2.7	4
27	Variation of current density with time as a novel method for efficient electrochemical treatment of real dyeing wastewater with energy savings. <i>Environmental Science and Pollution Research</i> , 2022, 29, 49976-49984.	2.7	4
28	A Mass-Transfer Model of Nitric Oxide Removal In a Rotating Drum Biofilter Coupled with Fe ^{II} (EDTA) Absorption. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8144-8151.	1.8	3
29	Characterization and Functional Analysis of <i>Bacillus aryabhatai</i> CY for Acrylic Acid Biodegradation: Immobilization and Metabolic Pathway. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 910-922.	1.4	2
30	Utilizing Spent Batteries to Fabricate Ni/ZnO-MnO ₂ Electrodes for Electrochemical Ammonia Oxidation. <i>Journal of the Electrochemical Society</i> , 2021, 168, 126505.	1.3	1
31	A mesoscopic fluidic reactor for studying the bioreduction ability of biofilm in a chemical absorption-biological reduction system for NO removal. <i>Bioremediation Journal</i> , 0, , 1-7.	1.0	0