

Beidou Xi

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

977
citations

471061

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713013

21
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all docs

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times ranked

942
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#	ARTICLE	IF	CITATIONS
1	Dechlorination of Excess Trichloroethene by Bimetallic and Sulfidated Nanoscale Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2018, 52, 8627-8637.	4.6	240
2	Successions and diversity of humic-reducing microorganisms and their association with physical-chemical parameters during composting. <i>Bioresource Technology</i> , 2016, 219, 204-211.	4.8	98
3	Increased Electron-Accepting and Decreased Electron-Donating Capacities of Soil Humic Substances in Response to Increasing Temperature. <i>Environmental Science & Technology</i> , 2017, 51, 3176-3186.	4.6	81
4	Biowaste-source-dependent synthetic pathways of redox functional groups within humic acids favoring pentachlorophenol dechlorination in composting process. <i>Environment International</i> , 2020, 135, 105380.	4.8	77
5	Compost-derived humic acids as regulators for reductive degradation of nitrobenzene. <i>Journal of Hazardous Materials</i> , 2017, 339, 378-384.	6.5	62
6	Response of humic-reducing microorganisms to the redox properties of humic substance during composting. <i>Waste Management</i> , 2017, 70, 37-44.	3.7	56
7	Effect of Arsenic on the Formation and Adsorption Property of Ferric Hydroxide Precipitates in ZVI Treatment. <i>Environmental Science & Technology</i> , 2017, 51, 10100-10108.	4.6	46
8	Synergistic High-flux Oil- Ca^{2+} Saltwater Separation and Membrane Desalination with Carbon Quantum Dots Functionalized Membrane. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13708-13716.	3.2	46
9	Dissolved Silicate Enhances the Oxidation of Chlorophenols by Permanganate: Important Role of Silicate-Stabilized MnO_2 Colloids. <i>Environmental Science & Technology</i> , 2020, 54, 10279-10288.	4.6	41
10	Disilicate-Assisted Iron Electrolysis for Sequential Fenton-Oxidation and Coagulation of Aqueous Contaminants. <i>Environmental Science & Technology</i> , 2017, 51, 8077-8084.	4.6	35
11	Polarity and molecular weight of compost-derived humic acid affect Fe(III) oxides reduction. <i>Chemosphere</i> , 2018, 208, 77-83.	4.2	34
12	p-Arsanilic acid degradation and arsenic immobilization by a disilicate-assisted iron/aluminum electrolysis process. <i>Chemical Engineering Journal</i> , 2019, 368, 428-437.	6.6	28
13	Efficient degradation of sulfamethazine in a silicified microscale zero-valent iron activated persulfate process. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121418.	10.8	25
14	Discrepant responses of the electron transfer capacity of soil humic substances to irrigations with wastewaters from different sources. <i>Science of the Total Environment</i> , 2018, 610-611, 333-341.	3.9	23
15	Intercropping wheat and maize increases the uptake of phthalic acid esters by plant roots from soils. <i>Journal of Hazardous Materials</i> , 2018, 359, 9-18.	6.5	22
16	Soil solid-phase organic matter-mediated microbial reduction of iron minerals increases with land use change sequence from fallow to paddy fields. <i>Science of the Total Environment</i> , 2019, 676, 378-386.	3.9	20
17	Increased suppression of methane production by humic substances in response to warming in anoxic environments. <i>Journal of Environmental Management</i> , 2018, 206, 602-606.	3.8	17
18	Polarity and Molecular Weight of Compost-Derived Humic Acids Impact Bio-dechlorination of Pentachlorophenol. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4726-4733.	2.4	11

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19	Responses of the electron transfer capacity of soil humic substances to agricultural land-use types. RSC Advances, 2018, 8, 32588-32596.	1.7	6
20	Role of Humic Acid Chemical Structure Derived from Different Biomass Feedstocks on Fe(III) Bioreduction Activity: Implication for Sustainable Use of Bioresources. Catalysts, 2019, 9, 450.	1.6	6
21	Molecular-weight-dependent redox cycling of humic substances of paddy soils over successive anoxic and oxic alternations. Land Degradation and Development, 2019, 30, 1130-1144.	1.8	3