

Yankai Xie

List of Publications by Year in descending order

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17
papers

1,541
citations

623574

14
h-index

887953

17
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all docs

17
docs citations

17
times ranked

1827
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of nanoscale zero-valent iron (nZVI) with modified biochar for Cr(VI) removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2017, 332, 79-86.	6.5	497
2	The interactions between nanoscale zero-valent iron and microbes in the subsurface environment: A review. <i>Journal of Hazardous Materials</i> , 2017, 321, 390-407.	6.5	207
3	The impact of silver nanoparticles on the co-composting of sewage sludge and agricultural waste: Evolutions of organic matter and nitrogen. <i>Bioresource Technology</i> , 2017, 230, 132-139.	4.8	106
4	Degradation of trichloroethene by nanoscale zero-valent iron (nZVI) and nZVI activated persulfate in the absence and presence of EDTA. <i>Chemical Engineering Journal</i> , 2017, 316, 410-418.	6.6	91
5	Chromate removal by surface-modified nanoscale zero-valent iron: Effect of different surface coatings and water chemistry. <i>Journal of Colloid and Interface Science</i> , 2016, 471, 7-13.	5.0	90
6	The dual effects of carboxymethyl cellulose on the colloidal stability and toxicity of nanoscale zero-valent iron. <i>Chemosphere</i> , 2016, 144, 1682-1689.	4.2	88
7	Aging study on carboxymethyl cellulose-coated zero-valent iron nanoparticles in water: Chemical transformation and structural evolution. <i>Journal of Hazardous Materials</i> , 2016, 312, 234-242.	6.5	84
8	Pathway and mechanism of nitrogen transformation during composting: Functional enzymes and genes under different concentrations of PVP-AgNPs. <i>Bioresource Technology</i> , 2018, 253, 112-120.	4.8	81
9	Physicochemical transformation of carboxymethyl cellulose-coated zero-valent iron nanoparticles (nZVI) in simulated groundwater under anaerobic conditions. <i>Separation and Purification Technology</i> , 2017, 175, 376-383.	3.9	75
10	Influence of fulvic acid on the colloidal stability and reactivity of nanoscale zero-valent iron. <i>Environmental Pollution</i> , 2016, 211, 363-369.	3.7	61
11	The comparison of Se(IV) and Se(VI) sequestration by nanoscale zero-valent iron in aqueous solutions: The roles of solution chemistry. <i>Journal of Hazardous Materials</i> , 2017, 338, 306-312.	6.5	57
12	EDDS-assisted reduction of Cr(VI) by nanoscale zero-valent iron. <i>Separation and Purification Technology</i> , 2016, 165, 86-91.	3.9	42
13	Oxygen control and stressor treatments for complete and long-term suppression of nitrite-oxidizing bacteria in biofilm-based partial nitrification/anammox. <i>Bioresource Technology</i> , 2021, 342, 125996.	4.8	20
14	Return-Sludge Treatment with Endogenous Free Nitrous Acid Limits Nitrate Production and N_2O Emission for Mainstream Partial Nitrification/Anammox. <i>Environmental Science & Technology</i> , 2020, 54, 5822-5831.	4.6	17
15	Storage without nitrite or nitrate enables the long-term preservation of full-scale partial nitrification/anammox sludge. <i>Science of the Total Environment</i> , 2022, 806, 151330.	3.9	13
16	Single and combined removal of Cr(VI) and Cd(II) by nanoscale zero-valent iron in the absence and presence of EDDS. <i>Water Science and Technology</i> , 2017, 76, 1261-1271.	1.2	9
17	A bioreactor and nutrient balancing approach for the conversion of solid organic fertilizers to liquid nitrate-rich fertilizers: Mineralization and nitrification performance complemented with economic aspects. <i>Science of the Total Environment</i> , 2022, 806, 150415.	3.9	3