Jianliang Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3037785/publications.pdf

Version: 2024-02-01

21	815	430874	713466
papers	citations	18 h-index	21 g-index

21	21	21	871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PPCP degradation by UV/chlorine treatment and its impact on DBP formation potential in real waters. Water Research, 2016, 98, 309-318.	11.3	186
2	Recycling and reuse of rusted iron particles containing core-shell Fe-FeOOH for ibuprofen removal: Adsorption and persulfate-based advanced oxidation. Journal of Cleaner Production, 2018, 178, 441-448.	9.3	86
3	Natural magnetic pyrrhotite as a high-Efficient persulfate activator for micropollutants degradation: Radicals identification and toxicity evaluation. Journal of Hazardous Materials, 2017, 340, 435-444.	12.4	81
4	Different ferric dosing strategies could result in different control mechanisms of sulfide and methane production in sediments of gravity sewers. Water Research, 2019, 164, 114914.	11.3	51
5	Integration of â€¢SO4â^'-based AOP mediated by reusable iron particles and a sulfidogenic process to degrade and detoxify Orange II. Water Research, 2020, 174, 115622.	11.3	39
6	Oxidation of iron sulfide and surface-bound iron to regenerate granular ferric hydroxide for in-situ hydrogen sulfide control by persulfate, chlorine and peroxide. Chemical Engineering Journal, 2018, 336, 587-594.	12.7	36
7	Removal of aqueous hydrogen sulfide by granular ferric hydroxideâ€"Kinetics, capacity and reuse. Chemosphere, 2014, 117, 324-329.	8.2	35
8	Arsenite removal without thioarsenite formation in a sulfidogenic system driven by sulfur reducing bacteria under acidic conditions. Water Research, 2019, 151, 362-370.	11.3	35
9	DBP formation from degradation of DEET and ibuprofen by UV/chlorine process and subsequent post-chlorination. Journal of Environmental Sciences, 2017, 58, 146-154.	6.1	33
10	Biological Sulfur Reduction To Generate H₂S As a Reducing Agent To Achieve Simultaneous Catalytic Removal of SO₂ and NO and Sulfur Recovery from Flue Gas. Environmental Science & Technology, 2018, 52, 4754-4762.	10.0	26
11	Kinetics and mechanisms of degradation of chloroacetonitriles by the UV/H2O2 process. Water Research, 2016, 99, 209-215.	11.3	25
12	Experimental and modelling evaluations of sulfide formation in a mega-sized deep tunnel sewer system and implications for sewer management. Environment International, 2019, 131, 105011.	10.0	24
13	Effects of sulfide on mixotrophic denitrification by Thauera-dominated denitrifying sludge. Environmental Science: Water Research and Technology, 2020, 6, 1186-1195.	2.4	23
14	A pilot-scale sulfur-based sulfidogenic system for the treatment of Cu-laden electroplating wastewater using real domestic sewage as electron donor. Water Research, 2021, 195, 116999.	11.3	23
15	Microbial iron reduction enhances in-situ control of biogenic hydrogen sulfide by FeOOH granules in sediments of polluted urban waters. Water Research, 2020, 171, 115453.	11.3	21
16	Realizing a high-rate sulfidogenic reactor driven by sulfur-reducing bacteria with organic substrate dosage minimization and cost-effectiveness maximization. Chemosphere, 2019, 236, 124381.	8.2	19
17	Oxidative debromination of 2,2-bis(bromomethyl)-1,3-propanediol by UV/persulfate process and corresponding formation of brominated by-products. Chemosphere, 2019, 228, 735-743.	8.2	19
18	Magnetically-mediated regeneration and reuse of core-shell Fe0@FeIII granules for in-situ hydrogen sulfide control in the river sediments. Water Research, 2019, 157, 621-629.	11.3	19

#	Article	IF	Citations
19	pH-dependent biological sulfidogenic processes for metal-laden wastewater treatment: Sulfate reduction or sulfur reduction?. Water Research, 2021, 204, 117628.	11.3	17
20	Simultaneous removal of hydrogen sulfide, phosphate and emerging organic contaminants, and improvement of sludge dewaterability by oxidant dosing in sulfide-iron-laden sludge. Water Research, 2021, 203, 117557.	11.3	14
21	Simultaneous catalytic reduction of SO₂ and NO from flue gas using H₂S as a reductant at low temperatures. Reaction Chemistry and Engineering, 2020, 5, 561-569.	3.7	3