Shuai

List of Publications by Year
in descending order

30 papers	1,752 citations	236925 25 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1902 citing authors

#	Article	IF	Citations
1	Effect of nanobubble application on performance and structural characteristics of microbial aggregates. Science of the Total Environment, 2021, 765, 142725.	8.0	23
2	Preparation of porous biochar based on pharmaceutical sludge activated by NaOH and its application in the adsorption of tetracycline. Journal of Colloid and Interface Science, 2021, 587, 271-278.	9.4	138
3	Comparison of pyrolysis process, various fractions and potential soil applications between sewage sludge-based biochars and lignocellulose-based biochars. Ecotoxicology and Environmental Safety, 2021, 208, 111756.	6.0	46
4	Role of shear stress in biological aerated filter with nanobubble aeration: Performance, biofilm structure and microbial community. Bioresource Technology, 2021, 325, 124714.	9.6	12
5	Magnetic porous biochar with nanostructure surface derived from penicillin fermentation dregs pyrolysis with K2FeO4 activation: Characterization and application in penicillin adsorption. Bioresource Technology, 2021, 327, 124818.	9.6	27
6	Pyrolysis of penicillin fermentation residue and sludge to produce biochar: Antibiotic resistance genes destruction and biochar application in the adsorption of penicillin in water. Journal of Hazardous Materials, 2021, 413, 125385.	12.4	43
7	Biofilm characteristics, microbial community structure and function of an up-flow anaerobic filter-biological aerated filter (UAF-BAF) driven by COD/N ratio. Science of the Total Environment, 2020, 708, 134422.	8.0	36
8	Mass transfer of nanobubble aeration and its effect on biofilm growth: Microbial activity and structural properties. Science of the Total Environment, 2020, 703, 134976.	8.0	52
9	The characteristics of pharmaceutical sludge-derived biochar and its application for the adsorption of tetracycline. Science of the Total Environment, 2020, 747, 141492.	8.0	78
10	Pyrolysis characteristics, kinetics and evolved volatiles determination of rice-husk-based distiller's grains. Biomass and Bioenergy, 2020, 135, 105525.	5.7	29
11	Analysis of the complexation behaviors of Cu(II) with DOM from sludge-based biochars and agricultural soil: Effect of pyrolysis temperature. Chemosphere, 2020, 250, 126184.	8.2	57
12	Integrated effects of temperature and COD/N on an up-flow anaerobic filter-biological aerated filter: Performance, biofilm characteristics and microbial community. Bioresource Technology, 2019, 293, 122004.	9.6	40
13	Feasibility of sludge-based biochar for soil remediation: Characteristics and safety performance of heavy metals influenced by pyrolysis temperatures. Ecotoxicology and Environmental Safety, 2019, 180, 457-465.	6.0	53
14	Pyrolysis characteristics, kinetics, and evolved gas determination of chrome-tanned sludge by thermogravimetryâ€“Fourier-transform infrared spectroscopy and pyrolysis gas chromatography-mass spectrometry. Waste Management, 2019, 93, 130-137.	7.4	35
15	Identification of phosphorus fractions of biofilm sludge and phosphorus release, transformation and modeling in biofilm sludge treatment related to pH. Chemical Engineering Journal, 2019, 369, 694-704.	12.7	21
16	Effect of silver nanoparticles on an integrated fixed-film activated sludgeâ€“sequencing batch reactor: Performance and community structure. Journal of Environmental Sciences, 2019, 80, 229-239.	6.1	18
17	Removal of lead from aqueous solutions by ferric activated sludge-based adsorbent derived from biological sludge. Arabian Journal of Chemistry, 2019, 12, 4142-4149.	4.9	31
18	Novel performance prediction model of a biofilm system treating domestic wastewater based on stacked denoising auto-encoders deep learning network. Chemical Engineering Journal, 2018, 347, 280-290.	12.7	68

#	ARTICLE	IF	CITATIONS
19	Dynamic membrane for micro-particle removal in wastewater treatment: Performance and influencing factors. Science of the Total Environment, 2018, 627, 332-340.	8.0	133
20	Strategies of valorization of sludge from wastewater treatment. Journal of Chemical Technology and Biotechnology, 2018, 93, 936-944.	3.2	33
21	Dynamic Membrane Filtration: Formation, Filtration, Cleaning, and Applications. Chemical Engineering and Technology, 2018, 41, 7-18.	1.5	47
22	Overview of strategies for enhanced treatment of municipal/domestic wastewater at low temperature. Science of the Total Environment, 2018, 643, 225-237.	8.0	138
23	Preparation of ferric-activated sludge-based adsorbent from biological sludge for tetracycline removal. Bioresource Technology, 2016, 211, 566-573.	9.6	184
24	Effect of solid retention time on membrane fouling in membrane bioreactor: from the perspective of quorum sensing and quorum quenching. Applied Microbiology and Biotechnology, 2016, 100, 7887-7897.	3.6	32
25	Biofouling control by biostimulation of quorumâ€quenching bacteria in a membrane bioreactor for wastewater treatment. Biotechnology and Bioengineering, 2016, 113, 2624-2632.	3.3	59
26	Development of sludge-based adsorbents: Preparation, characterization, utilization and its feasibility assessment. Journal of Environmental Management, 2015, 151, 221-232.	7.8	130
27	Enhanced physicochemical-biological sewage treatment process in cold regions. Water Science and Technology, 2014, 70, 1456-1464.	2.5	2
28	Stabilization of heavy metals in lightweight aggregate made from sewage sludge and river sediment. Journal of Hazardous Materials, 2013, 260, 74-81.	12.4	56
29	Stabilization/Solidification of Heavy Metals in Sludge Ceramsite and Leachability Affected by Oxide Substances. Environmental Science & Technology, 2009, 43, 5902-5907.	10.0	51
30	Ceramsite Made with Water and Wastewater Sludge and its Characteristics Affected by SiO₂ and Al₂O₃. Environmental Science & Technology, 2008, 42, 7417-7423.	10.0	80