

# Shuai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1247429/publications.pdf>

Version: 2024-02-01

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	Preparation of ferric-activated sludge-based adsorbent from biological sludge for tetracycline removal. <i>Bioresource Technology</i> , 2016, 211, 566-573.	9.6	184
2	Overview of strategies for enhanced treatment of municipal/domestic wastewater at low temperature. <i>Science of the Total Environment</i> , 2018, 643, 225-237.	8.0	138
3	Preparation of porous biochar based on pharmaceutical sludge activated by NaOH and its application in the adsorption of tetracycline. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 271-278.	9.4	138
4	Dynamic membrane for micro-particle removal in wastewater treatment: Performance and influencing factors. <i>Science of the Total Environment</i> , 2018, 627, 332-340.	8.0	133
5	Development of sludge-based adsorbents: Preparation, characterization, utilization and its feasibility assessment. <i>Journal of Environmental Management</i> , 2015, 151, 221-232.	7.8	130
6	Ceramsite Made with Water and Wastewater Sludge and its Characteristics Affected by $\text{SiO}_2$ and $\text{Al}_2\text{O}_3$ . <i>Environmental Science &amp; Technology</i> , 2008, 42, 7417-7423.	10.0	80
7	The characteristics of pharmaceutical sludge-derived biochar and its application for the adsorption of tetracycline. <i>Science of the Total Environment</i> , 2020, 747, 141492.	8.0	78
8	Novel performance prediction model of a biofilm system treating domestic wastewater based on stacked denoising auto-encoders deep learning network. <i>Chemical Engineering Journal</i> , 2018, 347, 280-290.	12.7	68
9	Biofouling control by biostimulation of quorum-quenching bacteria in a membrane bioreactor for wastewater treatment. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2624-2632.	3.3	59
10	Analysis of the complexation behaviors of Cu(II) with DOM from sludge-based biochars and agricultural soil: Effect of pyrolysis temperature. <i>Chemosphere</i> , 2020, 250, 126184.	8.2	57
11	Stabilization of heavy metals in lightweight aggregate made from sewage sludge and river sediment. <i>Journal of Hazardous Materials</i> , 2013, 260, 74-81.	12.4	56
12	Feasibility of sludge-based biochar for soil remediation: Characteristics and safety performance of heavy metals influenced by pyrolysis temperatures. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 457-465.	6.0	53
13	Mass transfer of nanobubble aeration and its effect on biofilm growth: Microbial activity and structural properties. <i>Science of the Total Environment</i> , 2020, 703, 134976.	8.0	52
14	Stabilization/Solidification of Heavy Metals in Sludge Ceramsite and Leachability Affected by Oxide Substances. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5902-5907.	10.0	51
15	Dynamic Membrane Filtration: Formation, Filtration, Cleaning, and Applications. <i>Chemical Engineering and Technology</i> , 2018, 41, 7-18.	1.5	47
16	Comparison of pyrolysis process, various fractions and potential soil applications between sewage sludge-based biochars and lignocellulose-based biochars. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111756.	6.0	46
17	Pyrolysis of penicillin fermentation residue and sludge to produce biochar: Antibiotic resistance genes destruction and biochar application in the adsorption of penicillin in water. <i>Journal of Hazardous Materials</i> , 2021, 413, 125385.	12.4	43
18	Integrated effects of temperature and COD/N on an up-flow anaerobic filter-biological aerated filter: Performance, biofilm characteristics and microbial community. <i>Bioresource Technology</i> , 2019, 293, 122004.	9.6	40

#	ARTICLE	IF	CITATIONS
19	Biofilm characteristics, microbial community structure and function of an up-flow anaerobic filter-biological aerated filter (UAF-BAF) driven by COD/N ratio. <i>Science of the Total Environment</i> , 2020, 708, 134422.	8.0	36
20	Pyrolysis characteristics, kinetics, and evolved gas determination of chrome-tanned sludge by thermogravimetry–Fourier-transform infrared spectroscopy and pyrolysis gas chromatography-mass spectrometry. <i>Waste Management</i> , 2019, 93, 130-137.	7.4	35
21	Strategies of valorization of sludge from wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 936-944.	3.2	33
22	Effect of solid retention time on membrane fouling in membrane bioreactor: from the perspective of quorum sensing and quorum quenching. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7887-7897.	3.6	32
23	Removal of lead from aqueous solutions by ferric activated sludge-based adsorbent derived from biological sludge. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4142-4149.	4.9	31
24	Pyrolysis characteristics, kinetics and evolved volatiles determination of rice-husk-based distiller's grains. <i>Biomass and Bioenergy</i> , 2020, 135, 105525.	5.7	29
25	Magnetic porous biochar with nanostructure surface derived from penicillin fermentation dregs pyrolysis with K <sub>2</sub> FeO <sub>4</sub> activation: Characterization and application in penicillin adsorption. <i>Bioresource Technology</i> , 2021, 327, 124818.	9.6	27
26	Effect of nanobubble application on performance and structural characteristics of microbial aggregates. <i>Science of the Total Environment</i> , 2021, 765, 142725.	8.0	23
27	Identification of phosphorus fractions of biofilm sludge and phosphorus release, transformation and modeling in biofilm sludge treatment related to pH. <i>Chemical Engineering Journal</i> , 2019, 369, 694-704.	12.7	21
28	Effect of silver nanoparticles on an integrated fixed-film activated sludge–sequencing batch reactor: Performance and community structure. <i>Journal of Environmental Sciences</i> , 2019, 80, 229-239.	6.1	18
29	Role of shear stress in biological aerated filter with nanobubble aeration: Performance, biofilm structure and microbial community. <i>Bioresource Technology</i> , 2021, 325, 124714.	9.6	12
30	Enhanced physicochemical-biological sewage treatment process in cold regions. <i>Water Science and Technology</i> , 2014, 70, 1456-1464.	2.5	2