

# Lianghu Su

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,023  
citations

430754

18  
h-index

501076

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1073  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the catalyzing behaviors of different iron species (Fe <sup>2+</sup> vs. Fe <sup>0</sup> ) in activating persulfate-based oxidation process with implications to waste activated sludge dewaterability. <i>Water Research</i> , 2018, 134, 101-114.	5.3	202
2	Stabilization of sewage sludge in the presence of nanoscale zero-valent iron (nZVI): abatement of odor and improvement of biogas production. <i>Journal of Material Cycles and Waste Management</i> , 2013, 15, 461-468.	1.6	118
3	Enhanced phosphate removal using nanostructured hydrated ferric-zirconium binary oxide confined in a polymeric anion exchanger. <i>Chemical Engineering Journal</i> , 2018, 345, 640-647.	6.6	67
4	Effective gel-like floc matrix destruction and water seepage for enhancing waste activated sludge dewaterability under hybrid microwave-initiated Fe(II)-persulfate oxidation process. <i>Chemosphere</i> , 2019, 221, 141-153.	4.2	62
5	Development of nano-CaO <sub>2</sub> -coated clinoptilolite for enhanced phosphorus adsorption and simultaneous removal of COD and nitrogen from sewage. <i>Chemical Engineering Journal</i> , 2017, 328, 35-43.	6.6	51
6	Characterization of controlled low-strength material obtained from dewatered sludge and refuse incineration bottom ash: Mechanical and microstructural perspectives. <i>Journal of Environmental Management</i> , 2013, 129, 183-189.	3.8	44
7	Performance evaluation of microbial electrochemical systems operated with Nafion and supported ionic liquid membranes. <i>Chemosphere</i> , 2017, 175, 350-355.	4.2	40
8	Development of montmorillonite-supported nano CaO <sub>2</sub> for enhanced dewatering of waste-activated sludge by synergistic effects of filtration aid and peroxidation. <i>Chemical Engineering Journal</i> , 2017, 307, 418-426.	6.6	39
9	Inhibitory effects of a shock load of Fe(II)-mediated persulfate oxidation on waste activated sludge anaerobic digestion. <i>Chemical Engineering Journal</i> , 2013, 233, 274-281.	6.6	36
10	Copper leaching of MSWI bottom ash co-disposed with refuse: Effect of short-term accelerated weathering. <i>Waste Management</i> , 2013, 33, 1411-1417.	3.7	35
11	Effects of FeSO <sub>4</sub> dosage on nitrogen loss and humification during the composting of cow dung and corn straw. <i>Bioresource Technology</i> , 2021, 341, 125867.	4.8	35
12	Continuous micro-current stimulation to upgrade methanolic wastewater biodegradation and biomethane recovery in an upflow anaerobic sludge blanket (UASB) reactor. <i>Chemosphere</i> , 2017, 180, 229-238.	4.2	33
13	Feasibility of micropollutants removal by solar-activated persulfate: Reactive oxygen species formation and influence on DBPs. <i>Water Research</i> , 2022, 210, 117981.	5.3	33
14	Exploring the potential of iTRAQ proteomics for tracking the transformation of extracellular proteins from enzyme-disintegrated waste activated sludge. <i>Bioresource Technology</i> , 2017, 225, 75-83.	4.8	32
15	The use of the core-shell structure of zero-valent iron nanoparticles (NZVI) for long-term removal of sulphide in sludge during anaerobic digestion. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 2013-2021.	1.7	31
16	Development of sludge-derived mesoporous material with loaded nano CaO <sub>2</sub> and doped Fe for re-utilization of dewatered waste-activated sludge as dewatering aids. <i>Chemical Engineering Journal</i> , 2018, 335, 161-168.	6.6	26
17	Comparison of Biochar Materials Derived from Coconut Husks and Various Types of Livestock Manure, and Their Potential for Use in Removal of H <sub>2</sub> S from Biogas. <i>Sustainability</i> , 2021, 13, 6262.	1.6	21
18	Performance evaluation of zero-valent iron nanoparticles (NZVI) for high-concentration H <sub>2</sub> S removal from biogas at different temperatures. <i>RSC Advances</i> , 2018, 8, 13798-13805.	1.7	20

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19	Kinetic removal of acetaminophen and phenacetin during LED-UV365 photolysis of persulfate system: Reactive oxygen species generation. <i>Chemosphere</i> , 2021, 269, 129337.	4.2	20
20	An asymmetric supercapacitor with an interpenetrating crystalline Fe-MOF as the positive electrode and its congenetic derivative as the negative electrode. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4878-4886.	3.0	16
21	Chemical reduction of odour in fresh sewage sludge in the presence of ferric hydroxide. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 165-172.	1.2	15
22	Fluorescence characteristics of dissolved organic matter during anaerobic digestion of oil crop straw inoculated with rumen liquid. <i>RSC Advances</i> , 2021, 11, 14347-14356.	1.7	11
23	Insights into the potential release of dissolved organic matter from different agro-forest waste-derived hydrochars: A pilot study. <i>Journal of Cleaner Production</i> , 2021, 319, 128676.	4.6	9
24	Thermophilic Solid-State Anaerobic Digestion of Corn Straw, Cattle Manure, and Vegetable Waste: Effect of Temperature, Total Solid Content, and C/N Ratio. <i>Archaea</i> , 2020, 2020, 1-10.	2.3	8
25	New insight into the role of FDOM in heavy metal leaching behavior from MSWI bottom ash during accelerated weathering using fluorescence EEM-PARAFAC. <i>Waste Management</i> , 2022, 144, 153-162.	3.7	7
26	Crystal boron significantly enhances pollutants removal kinetics by FeO/PMS system. <i>Separation and Purification Technology</i> , 2022, 292, 121055.	3.9	7
27	Enhanced nutrient removal from lake water via biodegradation of poly(lactide)/poly(3-hydroxybutyrate-co-4-hydroxybutyrate) blends. <i>RSC Advances</i> , 2016, 6, 6528-6539.	1.7	4
28	Sequestration of Sulphide from Biogas by thermal-treated iron nanoparticles synthesized using tea polyphenols. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 741-750.	1.2	1