

Liangliang Wei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2011326/publications.pdf>

Version: 2024-02-01

59
papers

2,495
citations

201575

27
h-index

197736

49
g-index

59
all docs

59
docs citations

59
times ranked

2309
citing authors

#	ARTICLE	IF	CITATIONS
1	Development, current state and future trends of sludge management in China: Based on exploratory data and CO ₂ -equivalent emissions analysis. <i>Environment International</i> , 2020, 144, 106093.	4.8	223
2	Construction of a visible-light-driven magnetic dual Z-scheme BiVO ₄ /g-C ₃ N ₄ /NiFe ₂ O ₄ photocatalyst for effective removal of ofloxacin: Mechanisms and degradation pathway. <i>Chemical Engineering Journal</i> , 2021, 405, 126704.	6.6	175
3	Adsorption of Cu ²⁺ and Zn ²⁺ by extracellular polymeric substances (EPS) in different sludges: Effect of EPS fractional polarity on binding mechanism. <i>Journal of Hazardous Materials</i> , 2017, 321, 473-483.	6.5	152
4	A review of bismuth-based photocatalysts for antibiotic degradation: Insight into the photocatalytic degradation performance, pathways and relevant mechanisms. <i>Environmental Research</i> , 2021, 199, 111360.	3.7	135
5	An overview of plant microbial fuel cells (PMFCs): Configurations and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 110, 402-414.	8.2	132
6	A Review Study on Sulfate-Radical-Based Advanced Oxidation Processes for Domestic/Industrial Wastewater Treatment: Degradation, Efficiency, and Mechanism. <i>Frontiers in Chemistry</i> , 2020, 8, 592056.	1.8	131
7	Adsorption behaviors of Cu ²⁺ , Zn ²⁺ and Cd ²⁺ onto proteins, humic acid, and polysaccharides extracted from sludge EPS: Sorption properties and mechanisms. <i>Bioresource Technology</i> , 2019, 291, 121868.	4.8	100
8	Tertiary treatment of landfill leachate by an integrated Electro-Oxidation/Electro-Coagulation/Electro-Reduction process: Performance and mechanism. <i>Journal of Hazardous Materials</i> , 2018, 351, 90-97.	6.5	91
9	A review of ARGs in WWTPs: Sources, stressors and elimination. <i>Chinese Chemical Letters</i> , 2020, 31, 2603-2613.	4.8	89
10	Electrochemical activation of persulfate on BDD and DSA anodes: Electrolyte influence, kinetics and mechanisms in the degradation of bisphenol A. <i>Journal of Hazardous Materials</i> , 2020, 388, 121789.	6.5	82
11	Dewatering efficiency of sewage sludge during Fe ²⁺ -activated persulfate oxidation: Effect of hydrophobic/hydrophilic properties of sludge EPS. <i>Water Research</i> , 2020, 181, 115903.	5.3	76
12	Degradation and characteristic changes of organic matter in sewage sludge using microbial fuel cell with ultrasound pretreatment. <i>Bioresource Technology</i> , 2011, 102, 272-277.	4.8	67
13	Extracellular biological organic matters in microbial fuel cell using sewage sludge as fuel. <i>Water Research</i> , 2010, 44, 2163-2170.	5.3	65
14	Bioelectrochemical desalination and electricity generation in microbial desalination cell with dewatered sludge as fuel. <i>Bioresource Technology</i> , 2014, 157, 120-126.	4.8	59
15	Treatment of leachate concentrate by electrocoagulation coupled with electro-Fenton-like process: Efficacy and mechanism. <i>Separation and Purification Technology</i> , 2021, 255, 117668.	3.9	58
16	Transformation and speciation of typical heavy metals in soil aquifer treatment system during long time recharging with secondary effluent: Depth distribution and combination. <i>Chemosphere</i> , 2016, 165, 100-109.	4.2	56
17	Enhanced visible light photocatalytic performance with metal-doped Bi ₂ WO ₆ for typical fluoroquinolones degradation: Efficiencies, pathways and mechanisms. <i>Chemosphere</i> , 2020, 252, 126577.	4.2	52
18	Effect of hydraulic retention time on deterioration/restarting of sludge anaerobic digestion: Extracellular polymeric substances and microbial response. <i>Bioresource Technology</i> , 2017, 244, 261-269.	4.8	38

#	ARTICLE	IF	CITATIONS
19	Electrochemical treatment of bio-treated landfill leachate: Influence of electrode arrangement, potential, and characteristics. <i>Chemical Engineering Journal</i> , 2018, 344, 34-41.	6.6	38
20	Optimization of the co-digestion of sewage sludge, maize straw and cow manure: microbial responses and effect of fractional organic characteristics. <i>Scientific Reports</i> , 2019, 9, 2374.	1.6	37
21	Seasonal concentration distribution of PM1.0 and PM2.5 and a risk assessment of bound trace metals in Harbin, China: Effect of the species distribution of heavy metals and heat supply. <i>Scientific Reports</i> , 2020, 10, 8160.	1.6	37
22	Heavy metal concentration and speciation of seven representative municipal sludges from wastewater treatment plants in Northeast China. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1645-1655.	1.3	36
23	The eAND process: Enabling simultaneous nitrogen-removal and disinfection for WWTP effluent. <i>Water Research</i> , 2015, 74, 122-131.	5.3	33
24	Acceleration of organic removal and electricity generation from dewatered oily sludge in a bioelectrochemical system by rhamnolipid addition. <i>Bioresource Technology</i> , 2017, 243, 820-827.	4.8	33
25	Insight into the visible light activation of sulfite by Fe/g-C3N4 with rich N vacancies for pollutant removal and sterilization: A novel approach for enhanced generation of oxysulfur radical. <i>Chemical Engineering Journal</i> , 2022, 438, 135663.	6.6	31
26	Adsorption mechanism of ZnO and CuO nanoparticles on two typical sludge EPS: Effect of nanoparticle diameter and fractional EPS polarity on binding. <i>Chemosphere</i> , 2019, 214, 210-219.	4.2	30
27	Environmental impacts and optimizing strategies of municipal sludge treatment and disposal routes in China based on life cycle analysis. <i>Environment International</i> , 2022, 166, 107378.	4.8	29
28	Effect of struvite seed crystal on MAP crystallization. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1394-1398.	1.6	28
29	Trihalomethane formation potential of organic fractions in secondary effluent. <i>Journal of Environmental Sciences</i> , 2008, 20, 520-527.	3.2	24
30	Kinetics and equilibrium of adsorption of dissolved organic matter fractions from secondary effluent by fly ash. <i>Journal of Environmental Sciences</i> , 2011, 23, 1057-1065.	3.2	24
31	Assessment of solar-assisted electrooxidation of bisphenol AF and bisphenol A on boron-doped diamond electrodes. <i>Environmental Science and Ecotechnology</i> , 2020, 3, 100036.	6.7	22
32	Fate of secondary effluent dissolved organic matter during soil-aquifer treatment. <i>Science Bulletin</i> , 2007, 52, 2496-2505.	1.7	21
33	Bioelectricity generation and dewatered sludge degradation in microbial capacitive desalination cell. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5159-5167.	2.7	21
34	Transformation of erythromycin during secondary effluent soil aquifer recharging: Removal contribution and degradation path. <i>Journal of Environmental Sciences</i> , 2017, 51, 173-180.	3.2	21
35	Efficiency assessment of ZVI-based media as fillers in permeable reactive barrier for multiple heavy metal-contaminated groundwater remediation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127605.	6.5	21
36	Comparison of dissolved organic matter fractions in a secondary effluent and a natural water. <i>Environmental Monitoring and Assessment</i> , 2011, 180, 371-383.	1.3	19

#	ARTICLE	IF	CITATIONS
37	Simultaneous sludge degradation, desalination and bioelectricity generation in two-phase microbial desalination cells. <i>Chemical Engineering Journal</i> , 2019, 361, 180-188.	6.6	19
38	Fluorescence spectroscopic characterization of dissolved organic matter fractions in soils in soil aquifer treatment. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4591-4603.	1.3	17
39	Application of ultra-sonication, acid precipitation and membrane filtration for co-recovery of protein and humic acid from sewage sludge. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 327-335.	3.3	17
40	Organic matter extracted from activated sludge with ammonium hydroxide and its characterization. <i>Journal of Environmental Sciences</i> , 2010, 22, 641-647.	3.2	16
41	Effects of organic loading rates on high-solids anaerobic digestion of food waste in horizontal flow reactor: Methane production, stability and mechanism. <i>Chemosphere</i> , 2022, 293, 133650.	4.2	16
42	Fluorescence spectroscopic studies of the effect of granular activated carbon adsorption on structural properties of dissolved organic matter fractions. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 784-796.	3.3	14
43	Removal and transformation of organic matters in domestic wastewater during lab-scale chemically enhanced primary treatment and a trickling filter treatment. <i>Journal of Environmental Sciences</i> , 2013, 25, 59-68.	3.2	13
44	Dissolved organic matter removal during coal slag additive soil aquifer treatment for secondary effluent recharging: Contribution of aerobic biodegradation. <i>Journal of Environmental Management</i> , 2015, 156, 158-166.	3.8	12
45	Removal trend of amoxicillin and tetracycline during groundwater recharging reusing: Redox sensitivity and microbial community response. <i>Chemosphere</i> , 2021, 282, 131011.	4.2	12
46	Can biochar addition improve the sustainability of intermittent aerated constructed wetlands for treating wastewater containing heavy metals?. <i>Chemical Engineering Journal</i> , 2022, 444, 136636.	6.6	12
47	Sources, fates and treatment strategies of typical viruses in urban sewage collection/treatment systems: A review. <i>Desalination</i> , 2022, 534, 115798.	4.0	10
48	Characterization and transformation of dissolved organic matter in a full-scale wastewater treatment plant in Harbin, China. <i>Desalination and Water Treatment</i> , 2012, 46, 295-303.	1.0	7
49	Removal trends of sulfonamides and their ARGs during soil aquifer treatment and subsequent chlorination: effect of aerobic and anaerobic biodegradation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2331-2340.	1.2	7
50	Reduction of dissolved organic matter in secondary municipal effluents by enhanced coagulation. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 751-760.	1.3	6
51	Utilization of artificial recharged effluent for irrigation: pollutants' removal and risk assessment. <i>Journal of Water Reuse and Desalination</i> , 2017, 7, 77-87.	1.2	6
52	Performance of sludge degradation, mineralization and electro-energy harvesting in a sludge treatment electro-wetland: Insight into the sludge loading rate. <i>Journal of Water Process Engineering</i> , 2021, 40, 101779.	2.6	6
53	Horizontal flow reactor optimization for biogas recovery during high solid organics fermentation: Rheological characteristic analyses. <i>Journal of Water Process Engineering</i> , 2021, 40, 101776.	2.6	4
54	Effect of pig manure-derived sulfadiazine on species distribution and bioactivities of soil ammonia-oxidizing microorganisms after fertilization. <i>Journal of Hazardous Materials</i> , 2022, 423, 126994.	6.5	4

#	ARTICLE	IF	CITATIONS
55	HYDRUS-2D simulations of typical pollutant migration in a soil aquifer system in the Zibo-Weifang funnel area of China. <i>Journal of Cleaner Production</i> , 2022, 345, 131099.	4.6	4
56	Utilization of artificial recharged effluent as makeup water for industrial cooling system: corrosion and scaling. <i>Water Science and Technology</i> , 2016, 73, 2559-2569.	1.2	3
57	Organic and nitrogen load removal from bio-treated landfill leachates by a dual-anode system. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 2104-2112.	1.2	3
58	Evaluation of flyash additive for removal of dissolved organic matter during soil aquifer treatment of wastewater treatment plant effluent. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1445-1454.	1.6	1
59	Using formaldehyde as a novel chemical actinometer for 185nm vacuum ultraviolet photon flux quantification in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 432, 114080.	2.0	0