

Yongmei Li

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Effect of surfactants on phosphorus release and acidogenic fermentation of waste activated sludge containing different aluminium phosphate forms. <i>Chemosphere</i> , 2022, 287, 132213.	8.2	8
2	Insight into using a novel ultraviolet/peracetic acid combination disinfection process to simultaneously remove antibiotics and antibiotic resistance genes in wastewater: Mechanism and comparison with conventional processes. <i>Water Research</i> , 2022, 210, 118019.	11.3	36
3	Motivation of reactive oxygen and nitrogen species by a novel non-thermal plasma coupled with calcium peroxide system for synergistic removal of sulfamethoxazole in waste activated sludge. <i>Water Research</i> , 2022, 212, 118128.	11.3	47
4	The prevalence and removal of antibiotic resistance genes in full-scale wastewater treatment plants: Bacterial host, influencing factors and correlation with nitrogen metabolic pathway. <i>Science of the Total Environment</i> , 2022, 827, 154154.	8.0	26
5	Comprehensively understanding metabolic pathways of protein during the anaerobic digestion of waste activated sludge. <i>Chemosphere</i> , 2022, 297, 134117.	8.2	31
6	A novel approach using protein-rich biomass as co-fermentation substrates to enhance phosphorus recovery from FePs-bearing sludge. <i>Water Research</i> , 2022, 218, 118479.	11.3	14
7	Understanding roles of humic substance and protein on iron phosphate transformation during anaerobic fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2022, 355, 127242.	9.6	7
8	Pretreatment using UV combined with CaO ₂ for the anaerobic digestion of waste activated sludge: Mechanistic modeling for attenuation of trace organic contaminants. <i>Journal of Hazardous Materials</i> , 2021, 402, 123484.	12.4	20
9	Heterogeneous activation of peroxydisulfate by sulfur-doped g-C ₃ N ₄ under visible-light irradiation: Implications for the degradation of spiramycin and an assessment of N-nitrosodimethylamine formation potential. <i>Journal of Hazardous Materials</i> , 2021, 406, 124328.	12.4	31
10	Phosphorus recovery from municipal wastewater with improvement of denitrifying phosphorus uptake based on a novel AAO-SBSPR process. <i>Chemical Engineering Journal</i> , 2021, 417, 127907.	12.7	18
11	Multi-swarm competitive swarm optimizer for large-scale optimization by entropy-assisted diversity measurement and management. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e6126.	2.2	1
12	Influence of ferric iron dosing on aerobic granular sludge: granule formation, nutrient removal and microbial community. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1277-1284.	3.2	4
13	Enhanced biological nitrogen removal under low dissolved oxygen in an anaerobic-anoxic-oxic system: Kinetics, stoichiometry and microbial community. <i>Chemosphere</i> , 2021, 263, 128184.	8.2	40
14	Novel CaO ₂ beads used in the anaerobic fermentation of iron-rich sludge for simultaneous short-chain fatty acids and phosphorus recovery under ambient conditions. <i>Bioresource Technology</i> , 2021, 322, 124553.	9.6	27
15	Effects of ferric-phosphate forms on phosphorus release and the performance of anaerobic fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2021, 323, 124622.	9.6	17
16	Enhanced removal of oxytetracycline by UV-driven advanced oxidation with peracetic acid: Insight into the degradation intermediates and N-nitrosodimethylamine formation potential. <i>Chemosphere</i> , 2021, 274, 129726.	8.2	44
17	Fabricating a novel ternary recyclable Fe ₃ O ₄ /graphene/sulfur-doped g-C ₃ N ₄ composite catalyst for enhanced removal of ranitidine under visible-light irradiation and reducing of its N-nitrosodimethylamine formation potential. <i>Journal of Hazardous Materials</i> , 2021, 413, 125288.	12.4	12
18	Understanding the abiotic interaction between phosphate and macromolecular organic compounds in waste activated sludge during anaerobic treatment. <i>Science of the Total Environment</i> , 2021, 782, 146864.	8.0	3

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19	Motivation of reactive oxidation species in peracetic acid by adding nanoscale zero-valent iron to synergic removal of spiramycin under ultraviolet irradiation: Mechanism and N-nitrosodimethylamine formation potential assessment. <i>Water Research</i> , 2021, 205, 117684.	11.3	22
20	Enhanced degradation of glucocorticoids, a potential COVID-19 remedy, by co-fermentation of waste activated sludge and animal manure: The role of manure type and degradation mechanism. <i>Environmental Research</i> , 2021, 201, 111488.	7.5	9
21	Effect of complexing agents on phosphorus release from chemical-enhanced phosphorus removal sludge during anaerobic fermentation. <i>Bioresource Technology</i> , 2020, 301, 122745.	9.6	40
22	Metagenomic characterization of the enhanced performance of anaerobic fermentation of waste activated sludge with CaO ₂ addition at ambient temperature: Fatty acid biosynthesis metabolic pathway and CAZymes. <i>Water Research</i> , 2020, 170, 115309.	11.3	88
23	Editorial: Sustainable wastewater treatment and resource recovery. <i>Water Science and Technology</i> , 2020, 82, iii-iii.	2.5	0
24	Effects of sodium dodecyl sulfate on forward osmosis membrane fouling and its cleaning. <i>Chemosphere</i> , 2020, 257, 127180.	8.2	13
25	Integrated Fixed Film Activated Sludge (IFAS) membrane BioReactor: The influence of the operational parameters. <i>Bioresource Technology</i> , 2020, 301, 122752.	9.6	11
26	Treatment of greywater by forward osmosis technology: role of the operating temperature. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 3434-3443.	2.2	18
27	Attenuation of pharmaceutically active compounds in aqueous solution by UV/CaO ₂ process: Influencing factors, degradation mechanism and pathways. <i>Water Research</i> , 2019, 164, 114922.	11.3	54
28	Permeation of greywater constituents in an aquaporin based biomimetic forward osmosis membrane process: experimental performance and modeling. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1567-1575.	3.2	7
29	Enhanced treatment of composite industrial wastewater using anaerobic-anaerobic membrane bioreactor: performance, membrane fouling and microbial community. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2292-2304.	3.2	13
30	Fractionation and identification of iron-phosphorus compounds in sewage sludge. <i>Chemosphere</i> , 2019, 223, 250-256.	8.2	62
31	MP-UV/CaO ₂ as a pretreatment method for the removal of carbamazepine and primidone in waste activated sludge and improving the solubilization of sludge. <i>Water Research</i> , 2019, 151, 158-169.	11.3	24
32	Genotoxicity assay and potential byproduct identification during different UV-based water treatment processes. <i>Chemosphere</i> , 2019, 217, 176-182.	8.2	12
33	A novel AAO-SBSPR process based on phosphorus mass balance for nutrient removal and phosphorus recovery from municipal wastewater. <i>Water Research</i> , 2018, 144, 763-773.	11.3	33
34	Effect of CaO ₂ addition on anaerobic digestion of waste activated sludge at different temperatures and the promotion of valuable carbon source production under ambient condition. <i>Bioresource Technology</i> , 2018, 265, 247-256.	9.6	72
35	Oxidation of N-nitrosodimethylamine in a heterogeneous nanoscale zero-valent iron/H ₂ O ₂ /Fenton-like system: influencing factors and degradation pathway. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 552-561.	3.2	12
36	Evaluation of the control strategy for aeration energy reduction in a nutrient removing wastewater treatment plant based on the coupling of ASM1 to an aeration model. <i>Biochemical Engineering Journal</i> , 2017, 124, 44-53.	3.6	13

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37	Characterization of N-nitrosodimethylamine formation from the ozonation of ranitidine. <i>Journal of Environmental Sciences</i> , 2017, 58, 116-126.	6.1	21
38	Enhancing phosphorus release from waste activated sludge containing ferric or aluminum phosphates by EDTA addition during anaerobic fermentation process. <i>Chemosphere</i> , 2017, 171, 601-608.	8.2	41
39	Waste activated sludge hydrolysis and acidification: A comparison between sodium hydroxide and steel slag addition. <i>Journal of Environmental Sciences</i> , 2016, 48, 200-208.	6.1	24
40	Characterization of morphology and component of struvite pellets crystallized from sludge dewatering liquor: Effects of total suspended solid and phosphate concentrations. <i>Journal of Hazardous Materials</i> , 2016, 310, 261-269.	12.4	51
41	Synergistic pretreatment of waste activated sludge using CaO ₂ in combination with microwave irradiation to enhance methane production during anaerobic digestion. <i>Applied Energy</i> , 2016, 183, 1123-1132.	10.1	86
42	Degradation of nicosulfuron by a novel isolated bacterial strain <i>Klebsiella</i> sp. Y1: condition optimization, kinetics and degradation pathway. <i>Water Science and Technology</i> , 2016, 73, 2896-2903.	2.5	18
43	Anaerobic fermentation combined with low-temperature thermal pretreatment for phosphorus-accumulating granular sludge: Release of carbon source and phosphorus as well as hydrogen production potential. <i>Bioresource Technology</i> , 2016, 218, 18-26.	9.6	36
44	Phosphate release involving PAOs activity during anaerobic fermentation of EBPR sludge and the extension of ADM1. <i>Chemical Engineering Journal</i> , 2016, 287, 436-447.	12.7	43
45	Removal of chlorpheniramine in a nanoscale zero-valent iron induced heterogeneous Fenton system: Influencing factors and degradation intermediates. <i>Chemical Engineering Journal</i> , 2016, 284, 1058-1067.	12.7	98
46	Degradation of dimethylamine and three tertiary amines by activated sludge and isolated strains. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 847-858.	3.2	8
47	Nitrite accumulation and nitrous oxide emission during denitrification processes with quinoline or indole as the sole carbon source. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1317-1328.	3.2	7
48	Performance of calcium peroxide for removal of endocrine-disrupting compounds in waste activated sludge and promotion of sludge solubilization. <i>Water Research</i> , 2015, 71, 125-139.	11.3	121
49	Enhancing the quantity and quality of short-chain fatty acids production from waste activated sludge using CaO ₂ as an additive. <i>Water Research</i> , 2015, 83, 84-93.	11.3	177
50	N-nitrosodimethylamine formation from ozonation of chlorpheniramine: Influencing factors and transformation mechanism. <i>Journal of Hazardous Materials</i> , 2015, 299, 584-594.	12.4	20
51	Understanding the impact of influent nitrogen concentration on granule size and microbial community in a granule-based enhanced biological phosphorus removal system. <i>Bioresource Technology</i> , 2015, 177, 209-216.	9.6	38
52	Effect of high orthophosphate concentration on mesophilic anaerobic sludge digestion and its modeling. <i>Chemical Engineering Journal</i> , 2015, 260, 791-800.	12.7	23
53	Degradation of typical N-nitrosodimethylamine (NDMA) precursors and its formation potential in anoxic-aerobic (AO) activated sludge system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1727-1739.	1.7	3
54	Biodegradation of 2-methylquinoline by <i>Klebsiella pneumoniae</i> TJ-A isolated from acclimated activated sludge. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 27-38.	1.7	5

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55	Removal of bisphenol A and 4-nonylphenol coupled to nitrate reduction using acclimated activated sludge under anaerobic conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 391-400.	3.2	19
56	Elucidating the removal mechanism of N,N-dimethyldithiocarbamate in an anaerobic-anoxic-oxic activated sludge system. <i>Journal of Environmental Sciences</i> , 2014, 26, 566-574.	6.1	2
57	Occurrence and removal of N-nitrosodimethylamine and its precursors in wastewater treatment plants in and around Shanghai. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 519-530.	6.0	36
58	Aerobic granular sludge for simultaneous accumulation of mineral phosphorus and removal of nitrogen via nitrite in wastewater. <i>Bioresource Technology</i> , 2014, 154, 178-184.	9.6	71
59	Removal of steroid estrogens from waste activated sludge using Fenton oxidation: Influencing factors and degradation intermediates. <i>Chemosphere</i> , 2014, 105, 24-30.	8.2	66
60	Removal of phenolic endocrine disrupting compounds from waste activated sludge using UV, H ₂ O ₂ , and UV/H ₂ O ₂ oxidation processes: Effects of reaction conditions and sludge matrix. <i>Science of the Total Environment</i> , 2014, 493, 307-323.	8.0	123
61	Distribution and seasonal variation of estrogenic endocrine disrupting compounds, N-nitrosodimethylamine, and N-nitrosodimethylamine formation potential in the Huangpu River, China. <i>Journal of Environmental Sciences</i> , 2014, 26, 1023-1033.	6.1	25
62	Characterization of pharmaceuticals and personal care products as N-nitrosodimethylamine precursors during disinfection processes using free chlorine and chlorine dioxide. <i>Journal of Hazardous Materials</i> , 2014, 276, 499-509.	12.4	49
63	Reinvestigation on the ozonation of N-nitrosodimethylamine: Influencing factors and degradation mechanism. <i>Water Research</i> , 2013, 47, 4993-5002.	11.3	40
64	Biodegradation of 2-methylquinoline by <i>Enterobacter aerogenes</i> TJ-D isolated from activated sludge. <i>Journal of Environmental Sciences</i> , 2013, 25, 1310-1318.	6.1	3
65	Struvite pellet crystallization in a high-strength nitrogen and phosphorus stream. <i>Water Science and Technology</i> , 2013, 68, 1300-1305.	2.5	6
66	Sludge Retention Time as a Suitable Operational Parameter to Remove Both Estrogen and Nutrients in an Anaerobic-Anoxic-Aerobic Activated Sludge System. <i>Environmental Engineering Science</i> , 2013, 30, 161-169.	1.6	19
67	Determination of N,N-dimethyldithiocarbamate in wastewater using pre-column derivatization and high-performance liquid chromatography. <i>Analytical Methods</i> , 2012, 4, 2996.	2.7	6
68	Influence of alkalinity and load on the start-up process of anaerobic reactors. , 2011, , .		0
69	Biodegradation and metabolites of 2-methylquinoline by acclimated activated sludge under aerobic and denitrifying conditions. <i>Process Biochemistry</i> , 2010, 45, 919-928.	3.7	7
70	Nitrate-dependent biodegradation of quinoline, isoquinoline, and 2-methylquinoline by acclimated activated sludge. <i>Journal of Hazardous Materials</i> , 2010, 173, 151-158.	12.4	29
71	Sorption and Biodegradation of 17 β -Estradiol by Acclimated Aerobic Activated Sludge and Isolation of the Bacterial Strain. <i>Environmental Engineering Science</i> , 2009, 26, 783-790.	1.6	51
72	Sorption and Biodegradation of 17beta-Estradiol by Acclimated Activated Sludge under Anaerobic Conditions. , 2009, , .		0

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73	Effects of Pyridine and Methanol on the Biodegradation of 2-methylpyridine by Activated Sludge under Denitrifying Conditions. , 2009, , .		0
74	Nitrate-dependent degradation of 17 β -ethinylestradiol by acclimated activated sludge under anaerobic conditions. Journal of Chemical Technology and Biotechnology, 2009, 84, 1841-1847.	3.2	22
75	Effect of Temperature on the Sorption of 17 β -ethinylestradiol to Aerobic and Anaerobic Sludges. , 2009, , .		2
76	Sorption and degradation of bisphenol A by aerobic activated sludge. Journal of Hazardous Materials, 2008, 155, 305-311.	12.4	132
77	Promotive effect of pyridine on indole degradation by activated sludge under anoxic conditions. Frontiers of Environmental Science and Engineering in China, 2007, 1, 493-497.	0.8	6
78	Anoxic degradation of nitrogenous heterocyclic compounds by acclimated activated sludge. Process Biochemistry, 2001, 37, 81-86.	3.7	106