Yongmei Li

List of Publications by Year in descending order

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78	2,529	172457	206112
papers	citations	29 h-index	48 g-index

79	79	79	2297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing the quantity and quality of short-chain fatty acids production from waste activated sludge using CaO2 as an additive. Water Research, 2015, 83, 84-93.	11.3	177
2	Sorption and degradation of bisphenol A by aerobic activated sludge. Journal of Hazardous Materials, 2008, 155, 305-311.	12.4	132
3	Removal of phenolic endocrine disrupting compounds from waste activated sludge using UV, H2O2, and UV/H2O2 oxidation processes: Effects of reaction conditions and sludge matrix. Science of the Total Environment, 2014, 493, 307-323.	8.0	123
4	Performance of calcium peroxide for removal of endocrine-disrupting compounds in waste activated sludge and promotion of sludge solubilization. Water Research, 2015, 71, 125-139.	11.3	121
5	Anoxic degradation of nitrogenous heterocyclic compounds by acclimated activated sludge. Process Biochemistry, 2001, 37, 81-86.	3.7	106
6	Removal of chlorpheniramine in a nanoscale zero-valent iron induced heterogeneous Fenton system: Influencing factors and degradation intermediates. Chemical Engineering Journal, 2016, 284, 1058-1067.	12.7	98
7	Metagenomic characterization of the enhanced performance of anaerobic fermentation of waste activated sludge with CaO2 addition at ambient temperature: Fatty acid biosynthesis metabolic pathway and CAZymes. Water Research, 2020, 170, 115309.	11.3	88
8	Synergistic pretreatment of waste activated sludge using CaO2 in combination with microwave irradiation to enhance methane production during anaerobic digestion. Applied Energy, 2016, 183, 1123-1132.	10.1	86
9	Effect of CaO2 addition on anaerobic digestion of waste activated sludge at different temperatures and the promotion of valuable carbon source production under ambient condition. Bioresource Technology, 2018, 265, 247-256.	9.6	72
10	Aerobic granular sludge for simultaneous accumulation of mineral phosphorus and removal of nitrogen via nitrite in wastewater. Bioresource Technology, 2014, 154, 178-184.	9.6	71
11	Removal of steroid estrogens from waste activated sludge using Fenton oxidation: Influencing factors and degradation intermediates. Chemosphere, 2014, 105, 24-30.	8.2	66
12	Fractionation and identification of iron-phosphorus compounds in sewage sludge. Chemosphere, 2019, 223, 250-256.	8.2	62
13	Attenuation of pharmaceutically active compounds in aqueous solution by UV/CaO2 process: Influencing factors, degradation mechanism and pathways. Water Research, 2019, 164, 114922.	11.3	54
14	Sorption and Biodegradation of 17Î²-Estradiol by Acclimated Aerobic Activated Sludge and Isolation of the Bacterial Strain. Environmental Engineering Science, 2009, 26, 783-790.	1.6	51
15	Characterization of morphology and component of struvite pellets crystallized from sludge dewatering liquor: Effects of total suspended solid and phosphate concentrations. Journal of Hazardous Materials, 2016, 310, 261-269.	12.4	51
16	Characterization of pharmaceuticals and personal care products as N-nitrosodimethylamine precursors during disinfection processes using free chlorine and chlorine dioxide. Journal of Hazardous Materials, 2014, 276, 499-509.	12.4	49
17	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. Water Research, 2022, 212, 118128.	11.3	47
18	Enhanced removal of oxytetracycline by UV-driven advanced oxidation with peracetic acid: Insight into the degradation intermediates and N-nitrosodimethylamine formation potential. Chemosphere, 2021, 274, 129726.	8.2	44

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19	Phosphate release involving PAOs activity during anaerobic fermentation of EBPR sludge and the extension of ADM1. Chemical Engineering Journal, 2016, 287, 436-447.	12.7	43
20	Enhancing phosphorus release from waste activated sludge containing ferric or aluminum phosphates by EDTA addition during anaerobic fermentation process. Chemosphere, 2017, 171, 601-608.	8.2	41
21	Reinvestigation on the ozonation of N-nitrosodimethylamine: Influencing factors and degradation mechanism. Water Research, 2013, 47, 4993-5002.	11.3	40
22	Effect of complexing agents on phosphorus release from chemical-enhanced phosphorus removal sludge during anaerobic fermentation. Bioresource Technology, 2020, 301, 122745.	9.6	40
23	Enhanced biological nitrogen removal under low dissolved oxygen in an anaerobic-anoxic-oxic system: Kinetics, stoichiometry and microbial community. Chemosphere, 2021, 263, 128184.	8.2	40
24	Understanding the impact of influent nitrogen concentration on granule size and microbial community in a granule-based enhanced biological phosphorus removal system. Bioresource Technology, 2015, 177, 209-216.	9.6	38
25	Occurrence and removal of N-nitrosodimethylamine and its precursors in wastewater treatment plants in and around Shanghai. Frontiers of Environmental Science and Engineering, 2014, 8, 519-530.	6.0	36
26	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. Bioresource Technology, 2016, 218, 18-26.	9.6	36
27	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. Water Research, 2022, 210, 118019.	11.3	36
28	A novel AAO-SBSPR process based on phosphorus mass balance for nutrient removal and phosphorus recovery from municipal wastewater. Water Research, 2018, 144, 763-773.	11.3	33
29	Heterogeneous activation of peroxydisulfate by sulfur-doped g-C3N4 under visible-light irradiation: Implications for the degradation of spiramycin and an assessment of N-nitrosodimethylamine formation potential. Journal of Hazardous Materials, 2021, 406, 124328.	12.4	31
30	Comprehensively understanding metabolic pathways of protein during the anaerobic digestion of waste activated sludge. Chemosphere, 2022, 297, 134117.	8.2	31
31	Nitrate-dependent biodegradation of quinoline, isoquinoline, and 2-methylquinoline by acclimated activated sludge. Journal of Hazardous Materials, 2010, 173, 151-158.	12.4	29
32	Novel CaO2 beads used in the anaerobic fermentation of iron-rich sludge for simultaneous short-chain fatty acids and phosphorus recovery under ambient conditions. Bioresource Technology, 2021, 322, 124553.	9.6	27
33	The prevalence and removal of antibiotic resistance genes in full-scale wastewater treatment plants: Bacterial host, influencing factors and correlation with nitrogen metabolic pathway. Science of the Total Environment, 2022, 827, 154154.	8.0	26
34	Distribution and seasonal variation of estrogenic endocrine disrupting compounds, N-nitrosodimethylamine, and N-nitrosodimethylamine formation potential in the Huangpu River, China. Journal of Environmental Sciences, 2014, 26, 1023-1033.	6.1	25
35	Waste activated sludge hydrolysis and acidification: A comparison between sodium hydroxide and steel slag addition. Journal of Environmental Sciences, 2016, 48, 200-208.	6.1	24
36	MP-UV/CaO2 as a pretreatment method for the removal of carbamazepine and primidone in waste activated sludge and improving the solubilization of sludge. Water Research, 2019, 151, 158-169.	11.3	24

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37	Effect of high orthophosphate concentration on mesophilic anaerobic sludge digestion and its modeling. Chemical Engineering Journal, 2015, 260, 791-800.	12.7	23
38	Nitrateâ€dependent degradation of 17Î±â€ethinylestradiol by acclimated activated sludge under anaerobic conditions. Journal of Chemical Technology and Biotechnology, 2009, 84, 1841-1847.	3.2	22
39	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. Water Research, 2021, 205, 117684.	11.3	22
40	Characterization of N-nitrosodimethylamine formation from the ozonation of ranitidine. Journal of Environmental Sciences, 2017, 58, 116-126.	6.1	21
41	N-nitrosodimethylamine formation from ozonation of chlorpheniramine: Influencing factors and transformation mechanism. Journal of Hazardous Materials, 2015, 299, 584-594.	12.4	20
42	Pretreatment using UV combined with CaO2 for the anaerobic digestion of waste activated sludge: Mechanistic modeling for attenuation of trace organic contaminants. Journal of Hazardous Materials, 2021, 402, 123484.	12.4	20
43	Sludge Retention Time as a Suitable Operational Parameter to Remove Both Estrogen and Nutrients in an Anaerobicâ€“Anoxicâ€“Aerobic Activated Sludge System. Environmental Engineering Science, 2013, 30, 161-169.	1.6	19
44	Removal of bisphenol A and 4â€nâ€nonylphenol coupled to nitrate reduction using acclimated activated sludge under anaerobic conditions. Journal of Chemical Technology and Biotechnology, 2014, 89, 391-400.	3.2	19
45	Degradation of nicosulfuron by a novel isolated bacterial strain Klebsiella sp. Y1: condition optimization, kinetics and degradation pathway. Water Science and Technology, 2016, 73, 2896-2903.	2.5	18
46	Treatment of greywater by forward osmosis technology: role of the operating temperature. Environmental Technology (United Kingdom), 2019, 40, 3434-3443.	2.2	18
47	Phosphorus recovery from municipal wastewater with improvement of denitrifying phosphorus uptake based on a novel AAO-SBSPR process. Chemical Engineering Journal, 2021, 417, 127907.	12.7	18
48	Effects of ferric-phosphate forms on phosphorus release and the performance of anaerobic fermentation of waste activated sludge. Bioresource Technology, 2021, 323, 124622.	9.6	17
49	A novel approach using protein-rich biomass as co-fermentation substrates to enhance phosphorus recovery from FePs-bearing sludge. Water Research, 2022, 218, 118479.	11.3	14
50	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. Biochemical Engineering Journal, 2017, 124, 44-53.	3.6	13
51	Enhanced treatment of composite industrial wastewater using anaerobicâ€anoxicâ€oxic membrane bioreactor: performance, membrane fouling and microbial community. Journal of Chemical Technology and Biotechnology, 2019, 94, 2292-2304.	3.2	13
52	Effects of sodium dodecyl sulfate on forward osmosis membrane fouling and its cleaning. Chemosphere, 2020, 257, 127180.	8.2	13
53	Oxidation of N-nitrosodimethylamine in a heterogeneous nanoscale zero-valent iron/H₂O₂Fenton-like system: influencing factors and degradation pathway. Journal of Chemical Technology and Biotechnology, 2017, 92, 552-561.	3.2	12
54	Genotoxicity assay and potential byproduct identification during different UV-based water treatment processes. Chemosphere, 2019, 217, 176-182.	8.2	12

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55	Fabricating a novel ternary recyclable Fe3O4/graphene/sulfur-doped g-C3N4 composite catalyst for enhanced removal of ranitidine under visible-light irradiation and reducing of its N-nitrosodimethylamine formation potential. Journal of Hazardous Materials, 2021, 413, 125288.	12.4	12
56	Integrated Fixed Film Activated Sludge (IFAS) membrane BioReactor: The influence of the operational parameters. Bioresource Technology, 2020, 301, 122752.	9.6	11
57	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. Environmental Research, 2021, 201, 111488.	7.5	9
58	Degradation of dimethylamine and three tertiary amines by activated sludge and isolated strains. Journal of Chemical Technology and Biotechnology, 2015, 90, 847-858.	3.2	8
59	Effect of surfactants on phosphorus release and acidogenic fermentation of waste activated sludge containing different aluminium phosphate forms. Chemosphere, 2022, 287, 132213.	8.2	8
60	Biodegradation and metabolites of 2-methylquinoline by acclimated activated sludge under aerobic and denitrifying conditions. Process Biochemistry, 2010, 45, 919-928.	3.7	7
61	Nitrite accumulation and nitrous oxide emission during denitrification processes with quinoline or indole as the sole carbon source. Journal of Chemical Technology and Biotechnology, 2015, 90, 1317-1328.	3.2	7
62	Permeation of greywater constituents in an aquaporin based biomimetic forward osmosis membrane process: experimental performance and modeling. Journal of Chemical Technology and Biotechnology, 2019, 94, 1567-1575.	3.2	7
63	Understanding roles of humic substance and protein on iron phosphate transformation during anaerobic fermentation of waste activated sludge. Bioresource Technology, 2022, 355, 127242.	9.6	7
64	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
65	Determination of N,N-dimethyldithiocarbamate in wastewater using pre-column derivatization and high-performance liquid chromatography. Analytical Methods, 2012, 4, 2996.	2.7	6
66	Struvite pellet crystallization in a high-strength nitrogen and phosphorus stream. Water Science and Technology, 2013, 68, 1300-1305.	2.5	6
67	Biodegradation of 2-methylquinoline byKlebsiella pneumoniaeTJ-A isolated from acclimated activated sludge. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 27-38.	1.7	5
68	Influence of ferric iron dosing on aerobic granular sludge: granule formation, nutrient removal and microbial community. Journal of Chemical Technology and Biotechnology, 2021, 96, 1277-1284.	3.2	4
69	Biodegradation of 2-methylquinoline by Enterobacter aerogenes TJ-D isolated from activated sludge. Journal of Environmental Sciences, 2013, 25, 1310-1318.	6.1	3
70	Degradation of typical N-nitrosodimethylamine (NDMA) precursors and its formation potential in anoxic-aerobic (AO) activated sludge system. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1727-1739.	1.7	3
71	Understanding the abiotic interaction between phosphate and macromolecular organic compounds in waste activated sludge during anaerobic treatment. Science of the Total Environment, 2021, 782, 146864.	8.0	3
72	Effect of Temperature on the Sorption of 17α-ethinylestradiol to Aerobic and Anaerobic Sludges. , 2009, , .		2

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73	Elucidating the removal mechanism of N,N-dimethyldithiocarbamate in an anaerobic-anoxic-oxic activated sludge system. Journal of Environmental Sciences, 2014, 26, 566-574.	6.1	2
74	Multiâ€swarm competitive swarm optimizer for largeâ€scale optimization by entropyâ€assisted diversity measurement and management. Concurrency Computation Practice and Experience, 2021, 33, e6126.	2.2	1
75	Sorption and Biodegradation of 17beta-Estradiol by Acclimated Activated Sludge under Anaerobic Conditions. , 2009, , .		0
76	Effects of Pyridine and Methanol on the Biodegradation of 2-methylpyridine by Activated Sludge under Denitrifying Conditions. , 2009, , .		0
77	Influence of alkalinity and load on the start-up process of anaerobic reactors. , 2011, , .		0
78	Editorial: Sustainable wastewater treatment and resource recovery. Water Science and Technology, 2020, 82, iii-iii.	2.5	0