

Leiyu Feng

List of Publications by Year in descending order

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42
papers

2,925
citations

218381

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276539

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docs citations

42
times ranked

3209
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric Oxide: A Neglected Driver for the Conjugative Transfer of Antibiotic Resistance Genes among Wastewater Microbiota. <i>Environmental Science & Technology</i> , 2022, 56, 6466-6478.	4.6	20
2	Sulfadiazine inhibits hydrogen production during sludge anaerobic fermentation by affecting pyruvate decarboxylation. <i>Science of the Total Environment</i> , 2022, 838, 156415.	3.9	6
3	Polycyclic aromatic hydrocarbons stimulate acidogenesis, acetogenesis and methanogenesis during anaerobic co-digestion of waste activated sludge and food waste. <i>Bioresource Technology</i> , 2022, 360, 127567.	4.8	8
4	Nitrogen-doped porous carbon derived from digested sludge for electrochemical reduction of carbon dioxide to formate. <i>Science of the Total Environment</i> , 2021, 759, 143575.	3.9	21
5	Volatile fatty acids production from waste activated sludge during anaerobic fermentation: The effect of superfine sand. <i>Bioresource Technology</i> , 2021, 319, 124249.	4.8	23
6	Bisphenol A alters volatile fatty acids accumulation during sludge anaerobic fermentation by affecting amino acid metabolism, material transport and carbohydrate-active enzymes. <i>Bioresource Technology</i> , 2021, 323, 124588.	4.8	34
7	Petroleum hydrocarbon-contaminated soil bioremediation assisted by isolated bacterial consortium and sophorolipid. <i>Environmental Pollution</i> , 2021, 273, 116476.	3.7	50
8	Microbial Ecological Mechanism for Long-Term Production of High Concentrations of <i>n</i> -Caproate via Lactate-Driven Chain Elongation. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	20
9	Metagenomic analysis reveals nonylphenol-shaped acidification and methanogenesis during sludge anaerobic digestion. <i>Water Research</i> , 2021, 196, 117004.	5.3	64
10	Boron-, sulfur-, and phosphorus-doped graphene for environmental applications. <i>Science of the Total Environment</i> , 2020, 698, 134239.	3.9	79
11	Pig manure-derived nitrogen-doped mesoporous carbon for adsorption and catalytic oxidation of tetracycline. <i>Science of the Total Environment</i> , 2020, 708, 135071.	3.9	46
12	Carbon Nitride Anchored on a Nitrogen-Doped Carbon Nanotube Surface for Enhanced Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56954-56962.	4.0	19
13	Application of alkyl polyglycosides for enhanced bioremediation of petroleum hydrocarbon-contaminated soil using <i>Sphingomonas changbaiensis</i> and <i>Pseudomonas stutzeri</i> . <i>Science of the Total Environment</i> , 2020, 719, 137456.	3.9	46
14	Bio-denitrification performance enhanced by graphene-facilitated iron acquisition. <i>Water Research</i> , 2020, 180, 115916.	5.3	70
15	Acidogenic Fermentation Facilitates Anaerobic Biodegradation of Polycyclic Aromatic Hydrocarbons in Waste Activated Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5404-5411.	3.2	15
16	New method for algae comprehensive utilization: Algae-derived biochar enhances algae anaerobic fermentation for short-chain fatty acids production. <i>Bioresource Technology</i> , 2019, 289, 121637.	4.8	66
17	Simultaneous enhancement of nonylphenol biodegradation and short-chain fatty acids production in waste activated sludge under acidogenic conditions. <i>Science of the Total Environment</i> , 2019, 651, 24-31.	3.9	17
18	Activated carbon promotes short-chain fatty acids production from algae during anaerobic fermentation. <i>Science of the Total Environment</i> , 2019, 658, 1131-1138.	3.9	30

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19	Integrated approach to enhance the anaerobic biodegradation of benz[\pm]anthracene: A high-molecule-weight polycyclic aromatic hydrocarbon in sludge by simultaneously improving the bioavailability and microbial activity. <i>Journal of Hazardous Materials</i> , 2019, 365, 322-330.	6.5	20
20	Influence of sulfadiazine on anaerobic fermentation of waste activated sludge for volatile fatty acids production: Focusing on microbial responses. <i>Chemosphere</i> , 2019, 219, 305-312.	4.2	45
21	Anaerobic accumulation of short-chain fatty acids from algae enhanced by damaging cell structure and promoting hydrolase activity. <i>Bioresource Technology</i> , 2018, 250, 777-783.	4.8	21
22	Acidogenic bacteria assisted biodegradation of nonylphenol in waste activated sludge during anaerobic fermentation for short-chain fatty acids production. <i>Bioresource Technology</i> , 2018, 268, 692-699.	4.8	32
23	Pyridinic and pyrrolic nitrogen-rich ordered mesoporous carbon for efficient oxygen reduction in microbial fuel cells. <i>RSC Advances</i> , 2017, 7, 14669-14677.	1.7	24
24	Immobilizing photogenerated electrons from graphitic carbon nitride for an improved visible-light photocatalytic activity. <i>Scientific Reports</i> , 2016, 6, 22808.	1.6	23
25	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.	3.2	24
26	Effect of nonylphenol on volatile fatty acids accumulation during anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2016, 105, 209-217.	5.3	71
27	Polycyclic Aromatic Hydrocarbon Affects Acetic Acid Production during Anaerobic Fermentation of Waste Activated Sludge by Altering Activity and Viability of Acetogen. <i>Environmental Science & Technology</i> , 2016, 50, 6921-6929.	4.6	145
28	Enhancing anaerobic digestion of waste activated sludge by pretreatment: effect of volatile to total solids. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1520-1529.	1.2	34
29	Alkyl polyglucose enhancing propionic acid enriched short-chain fatty acids production during anaerobic treatment of waste activated sludge and mechanisms. <i>Water Research</i> , 2015, 73, 332-341.	5.3	123
30	Dilemma of Sewage Sludge Treatment and Disposal in China. <i>Environmental Science & Technology</i> , 2015, 49, 4781-4782.	4.6	226
31	Biological nutrient removal with low nitrous oxide generation by cancelling the anaerobic phase and extending the idle phase in a sequencing batch reactor. <i>Chemosphere</i> , 2014, 109, 56-63.	4.2	38
32	Stimulating short-chain fatty acids production from waste activated sludge by nano zero-valent iron. <i>Journal of Biotechnology</i> , 2014, 187, 98-105.	1.9	92
33	Enhanced Bio-hydrogen Production from Protein Wastewater by Altering Protein Structure and Amino Acids Acidification Type. <i>Scientific Reports</i> , 2014, 4, 3992.	1.6	38
34	Enhancing Electrocatalytic Oxygen Reduction on Nitrogen-Doped Graphene by Active Sites Implantation. <i>Scientific Reports</i> , 2013, 3, 3306.	1.6	100
35	Nitrogen-doped carbon nanotubes as efficient and durable metal-free cathodic catalysts for oxygen reduction in microbial fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 1892.	15.6	343
36	Easy-to-Operate and Low-Temperature Synthesis of Gram-Scale Nitrogen-Doped Graphene and Its Application as Cathode Catalyst in Microbial Fuel Cells. <i>ACS Nano</i> , 2011, 5, 9611-9618.	7.3	205

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37	Co-fermentation of waste activated sludge with food waste for short-chain fatty acids production: effect of pH at ambient temperature. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 623-632.	0.8	25
38	The study on waste activated sludge reclamation via alkaline fermentation. , 2011, , .		0
39	Ultrasonic enhancement of waste activated sludge hydrolysis and volatile fatty acids accumulation at pH 10.0. <i>Water Research</i> , 2010, 44, 3329-3336.	5.3	144
40	Kinetic analysis of waste activated sludge hydrolysis and short-chain fatty acids production at pH 10. <i>Journal of Environmental Sciences</i> , 2009, 21, 589-594.	3.2	30
41	Effect of solids retention time and temperature on waste activated sludge hydrolysis and short-chain fatty acids accumulation under alkaline conditions in continuous-flow reactors. <i>Bioresource Technology</i> , 2009, 100, 44-49.	4.8	97
42	Enhancement of Waste Activated Sludge Protein Conversion and Volatile Fatty Acids Accumulation during Waste Activated Sludge Anaerobic Fermentation by Carbohydrate Substrate Addition: The Effect of pH. <i>Environmental Science & Technology</i> , 2009, 43, 4373-4380.	4.6	391