

# Yingqun

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,268  
citations

186254

28  
h-index

223791

46  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Turning food waste to energy and resources towards a great environmental and economic sustainability: An innovative integrated biological approach. <i>Biotechnology Advances</i> , 2019, 37, 107414.	11.7	218
2	A self-sustaining synergetic microalgal-bacterial granular sludge process towards energy-efficient and environmentally sustainable municipal wastewater treatment. <i>Water Research</i> , 2020, 179, 115884.	11.3	160
3	Biodiesels from microbial oils: Opportunity and challenges. <i>Bioresource Technology</i> , 2018, 263, 631-641.	9.6	121
4	New insight into enhanced production of short-chain fatty acids from waste activated sludge by cation exchange resin-induced hydrolysis. <i>Chemical Engineering Journal</i> , 2020, 388, 124235.	12.7	92
5	Kinetics studies of biodiesel production from waste cooking oil using FeCl <sub>3</sub> -modified resin as heterogeneous catalyst. <i>Renewable Energy</i> , 2017, 107, 522-530.	8.9	91
6	Enhancing volatile fatty acids production from waste activated sludge by a novel cation-exchange resin assistant strategy. <i>Journal of Cleaner Production</i> , 2021, 278, 123236.	9.3	84
7	Evaluation of anaerobic digestion of food waste and waste activated sludge: Soluble COD versus its chemical composition. <i>Science of the Total Environment</i> , 2018, 643, 21-27.	8.0	82
8	New insights into co-digestion of activated sludge and food waste: Biogas versus biofertilizer. <i>Bioresource Technology</i> , 2017, 241, 448-453.	9.6	80
9	Effect of crude glycerol impurities on lipid preparation by <i>Rhodospiridium toruloides</i> yeast 32489. <i>Bioresource Technology</i> , 2016, 218, 373-379.	9.6	76
10	An integrated engineering system for maximizing bioenergy production from food waste. <i>Applied Energy</i> , 2017, 206, 83-89.	10.1	74
11	State of the art of straw treatment technology: Challenges and solutions forward. <i>Bioresource Technology</i> , 2020, 313, 123656.	9.6	69
12	Current status and future prospects of sewer biofilms: Their structure, influencing factors, and substance transformations. <i>Science of the Total Environment</i> , 2019, 695, 133815.	8.0	67
13	A holistic approach for food waste management towards zero-solid disposal and energy/resource recovery. <i>Bioresource Technology</i> , 2017, 228, 56-61.	9.6	60
14	Cation exchange resin-induced hydrolysis for improving biodegradability of waste activated sludge: Characterization of dissolved organic matters and microbial community. <i>Bioresource Technology</i> , 2020, 302, 122870.	9.6	60
15	Electric energy production from food waste: Microbial fuel cells versus anaerobic digestion. <i>Bioresource Technology</i> , 2018, 255, 281-287.	9.6	59
16	Mixed methanol/ethanol on transesterification of waste cooking oil using Mg/Al hydrotalcite catalyst. <i>Energy</i> , 2016, 107, 523-531.	8.8	57
17	Defensive responses of microalgal-bacterial granules to tetracycline in municipal wastewater treatment. <i>Bioresource Technology</i> , 2020, 312, 123605.	9.6	56
18	Past, current, and future research on microalga-derived biodiesel: a critical review and bibliometric analysis. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10596-10610.	5.3	48

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19	Waste cooking oil used as carbon source for microbial lipid production: Promoter or inhibitor. <i>Environmental Research</i> , 2022, 203, 111881.	7.5	46
20	A novel micro-ferrous dosing strategy for enhancing biological phosphorus removal from municipal wastewater. <i>Science of the Total Environment</i> , 2020, 704, 135453.	8.0	41
21	Bacterial community and eutrophic index analysis of the East Lake. <i>Environmental Pollution</i> , 2019, 252, 682-688.	7.5	40
22	A bibliometric analysis of biodiesel research during 1991â€“2015. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 10-18.	3.0	38
23	Hydrolase activity and microbial community dynamic shift related to the lack in multivalent cations during cation exchange resin-enhanced anaerobic fermentation of waste activated sludge. <i>Journal of Hazardous Materials</i> , 2020, 398, 122930.	12.4	35
24	Tetracycline-induced decoupling of symbiosis in microalgal-bacterial granular sludge. <i>Environmental Research</i> , 2021, 197, 111095.	7.5	34
25	Enhanced lignin biodegradation by consortium of white rot fungi: microbial synergistic effects and product mapping. <i>Biotechnology for Biofuels</i> , 2021, 14, 162.	6.2	34
26	Cadmium-effect on performance and symbiotic relationship of microalgal-bacterial granules. <i>Journal of Cleaner Production</i> , 2021, 282, 125383.	9.3	33
27	Microbial lipid production from food waste saccharified liquid and the effects of compositions. <i>Energy Conversion and Management</i> , 2018, 172, 306-315.	9.2	32
28	Food Waste to Biofertilizer: A Potential Game Changer of Global Circular Agricultural Economy. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5021-5023.	5.2	30
29	Transesterification of waste cooking oil using FeCl <sub>3</sub> -modified resin catalyst and the research of catalytic mechanism. <i>Renewable Energy</i> , 2016, 86, 643-650.	8.9	26
30	Effects of low- and high-temperature thermal-alkaline pretreatments on anaerobic digestion of waste activated sludge. <i>Bioresource Technology</i> , 2021, 337, 125400.	9.6	24
31	A novel variable pH control strategy for enhancing lipid production from food waste: Biodiesel versus docosahexaenoic acid. <i>Energy Conversion and Management</i> , 2019, 189, 60-66.	9.2	22
32	Biodiesel production using unrefined methanol as transesterification agent and the research of individual effect of impurities. <i>Energy</i> , 2015, 82, 361-369.	8.8	19
33	An innovative alkaline protease-based pretreatment approach for enhanced short-chain fatty acids production via a short-term anaerobic fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2020, 312, 123397.	9.6	19
34	An appropriate technique for treating rural wastewater by a flow step feed system driven by wind-solar hybrid power. <i>Environmental Research</i> , 2020, 187, 109651.	7.5	18
35	An enhanced rural anoxic/oxic biological contact oxidation process with air-lift reflux technique to strengthen total nitrogen removal and reduce sludge generation. <i>Journal of Cleaner Production</i> , 2022, 348, 131371.	9.3	18
36	Characteristics of sewer biofilms in aerobic rural small diameter gravity sewers. <i>Journal of Environmental Sciences</i> , 2020, 90, 1-9.	6.1	17

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37	Sewers induce changes in the chemical characteristics, bacterial communities, and pathogen distribution of sewage and greywater. <i>Environmental Research</i> , 2020, 187, 109628.	7.5	14
38	Cation-exchange resin regeneration waste liquid as alternative NaCl source for enhancing anaerobic fermentation of waste activated sludge: Compositions of dissolved organic matters and chemical conditioning performance. <i>Bioresource Technology</i> , 2020, 313, 123659.	9.6	13
39	Enhanced anaerobic fermentation of waste activated sludge by NaCl assistant hydrolysis strategy: Improved bio-production of short-chain fatty acids and feasibility of NaCl reuse. <i>Bioresource Technology</i> , 2020, 312, 123303.	9.6	13
40	Microalgal-Bacterial Granular Sludge Process in Non-Aerated Municipal Wastewater Treatment under Natural Day-Night Conditions: Performance and Microbial Community. <i>Water (Switzerland)</i> , 2021, 13, 1479.	2.7	13
41	Greywater: Understanding biofilm bacteria succession, pollutant removal and low sulfide generation in small diameter gravity sewers. <i>Journal of Cleaner Production</i> , 2020, 268, 122426.	9.3	13
42	Synergistic effect of mixed methanol/ethanol on transesterification of waste food oil using p-toluenesulfonic acid as catalyst. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1547-1553.	2.3	12
43	Two <i>cm</i> Gene Clusters Essential for the Degradation of Diclofop-methyl in a Microbial Consortium of <i>Rhodococcus</i> sp. JT-3 and <i>Brevundimonas</i> sp. JT-9. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12217-12226.	5.2	12
44	Risk Assessment and Source Apportionment of Heavy Metals in Soils from Handan City. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9615.	2.5	11
45	Biodiesel Production: Status and Perspectives. , 2019, , 503-522.		10
46	Reactivation of Frozen Stored Microalgal-Bacterial Granular Sludge under Aeration and Non-Aeration Conditions. <i>Water (Switzerland)</i> , 2021, 13, 1974.	2.7	9
47	Fungi characteristics of biofilms from sewage and greywater in small diameter gravity sewers. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 532-539.	2.4	8
48	Recycling of neomycin fermentation residue using SEA-CBS technology: Growth performance and antibiotic resistance genes. <i>Science of the Total Environment</i> , 2022, 807, 150860.	8.0	8
49	Time-based succession existed in rural sewer biofilms: Bacterial communities, sulfate-reducing bacteria and methanogenic archaea, and sulfide and methane generation. <i>Science of the Total Environment</i> , 2021, 765, 144397.	8.0	7
50	Enhanced anaerobic fermentation of waste activated sludge by reverse osmosis brine and composition distribution in fermentative liquid. <i>Bioresource Technology</i> , 2020, 318, 123953.	9.6	6
51	Analysis of suitable private-secondary-main sewer diameters in rural areas based on cost model and hydraulic calculation. <i>Journal of Environmental Management</i> , 2021, 281, 111925.	7.8	6
52	Efficiency and Cost of Bioecological Rural Wastewater Treatment Powered Almost by Wind and Solar. <i>ACS ES&amp;T Water</i> , 2021, 1, 562-572.	4.6	6
53	4-Chlorophenol Oxidation Depends on the Activation of an AraC-Type Transcriptional Regulator, CphR, in <i>Rhodococcus</i> sp. Strain YH-5B. <i>Frontiers in Microbiology</i> , 2018, 9, 2481.	3.5	5
54	Field tests of crop growth using hydrothermal and spray-dried cephalosporin mycelia dregs as amendments: Utilization of nutrient and soil antibiotic resistance. <i>Environmental Research</i> , 2021, 202, 111638.	7.5	5

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55	New insights into the co-locating concept on synergistic co-digestion of sewage sludge and food waste towards energy self-sufficient in future WWTPs. <i>Bioresource Technology Reports</i> , 2020, 10, 100351.	2.7	4
56	Influences of flow conditions on bacterial communities in sewage and greywater small diameter gravity sewer biofilms. <i>Environmental Research</i> , 2020, 183, 109289.	7.5	4
57	The Impact of Bioaugmentation on the Performance and Microbial Community Dynamics of an Industrial-Scale Activated Sludge Sequencing Batch Reactor under Various Loading Shocks of Heavy Oil Refinery Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 2822.	2.7	3
58	Research on Immobilization Carrier on Ethanol Fermentation from Food Waste. <i>Advanced Materials Research</i> , 0, 878, 466-472.	0.3	2
59	Feasibility and transcriptomic analysis of betalain production by biomembrane surface fermentation of <i>Penicillium novae-zelandiae</i> . <i>AMB Express</i> , 2018, 8, 4.	3.0	2