

# Yingdi Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9768189/publications.pdf>

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17  
papers

476  
citations

686830

13  
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887659

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docs citations

17  
times ranked

253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial community dynamics in anaerobic digesters treating conventional and vacuum toilet flushed blackwater. <i>Water Research</i> , 2019, 160, 249-258.	5.3	71
2	Enhancing biomethane recovery from source-diverted blackwater through hydrogenotrophic methanogenesis dominant pathway. <i>Chemical Engineering Journal</i> , 2019, 378, 122258.	6.6	46
3	Granular activated carbon stimulated microbial physiological changes for enhanced anaerobic digestion of municipal sewage. <i>Chemical Engineering Journal</i> , 2020, 400, 125838.	6.6	44
4	Key syntrophic partnerships identified in a granular activated carbon amended UASB treating municipal sewage under low temperature conditions. <i>Bioresource Technology</i> , 2020, 312, 123556.	4.8	41
5	RNA-based spatial community analysis revealed intra-reactor variation and expanded collection of direct interspecies electron transfer microorganisms in anaerobic digestion. <i>Bioresource Technology</i> , 2020, 298, 122534.	4.8	39
6	Different micro-aeration rates facilitate production of different end-products from source-diverted blackwater. <i>Water Research</i> , 2020, 177, 115783.	5.3	37
7	Microbial community dynamics in granular activated carbon enhanced up-flow anaerobic sludge blanket (UASB) treating municipal sewage under sulfate reducing and psychrophilic conditions. <i>Chemical Engineering Journal</i> , 2021, 405, 126957.	6.6	30
8	Impacts of conductive materials on microbial community during syntrophic propionate oxidization for biomethane recovery. <i>Water Environment Research</i> , 2021, 93, 84-93.	1.3	28
9	Biomethane recovery from source-diverted household blackwater: Impacts from feed sulfate. <i>Chemical Engineering Research and Design</i> , 2020, 136, 28-38.	2.7	27
10	Self-fluidized GAC-amended UASB reactor for enhanced methane production. <i>Chemical Engineering Journal</i> , 2021, 420, 127652.	6.6	24
11	Calcium phosphate granules formation: Key to high rate of mesophilic UASB treatment of toilet wastewater. <i>Science of the Total Environment</i> , 2021, 773, 144972.	3.9	21
12	Enhancing the resistance to H <sub>2</sub> S toxicity during anaerobic digestion of low-strength wastewater through granular activated carbon (GAC) addition. <i>Journal of Hazardous Materials</i> , 2022, 430, 128473.	6.5	18
13	Impacts of granular activated carbon addition on anaerobic granulation in blackwater treatment. <i>Environmental Research</i> , 2022, 206, 112406.	3.7	17
14	A high-rate anaerobic biofilm reactor for biomethane recovery from source-separated blackwater at ambient temperature. <i>Water Environment Research</i> , 2021, 93, 61-74.	1.3	11
15	Roles of granular activated carbon (GAC) and operational factors on active microbiome development in anaerobic reactors. <i>Bioresource Technology</i> , 2022, 343, 126104.	4.8	10
16	Calcium hypochlorite pretreatment improves thermophilic digestion of waste activated sludge in an upflow anaerobic sludge blanket reactor. <i>Science of the Total Environment</i> , 2022, 809, 151130.	3.9	8
17	A new non-steady-state mass balance model for quantifying microbiome responses to disturbances in wastewater bioreactors. <i>Journal of Environmental Management</i> , 2021, 296, 113370.	3.8	4