List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Bioelectrochemical enhancement of methane production in low temperature anaerobic digestion at 10°C. Water Research, 2016, 99, 281-287.	11.3	103
2	Performance of anaerobic treatment of blackwater collected from different toilet flushing systems: Can we achieve both energy recovery and water conservation?. Journal of Hazardous Materials, 2019, 365, 44-52.	12.4	95
3	Microbial community dynamics in anaerobic digesters treating conventional and vacuum toilet flushed blackwater. Water Research, 2019, 160, 249-258.	11.3	71
4	Anaerobic treatment of raw domestic wastewater in a UASB-digester at 10â€ [–] °C and microbial community dynamics. Chemical Engineering Journal, 2018, 334, 2088-2097.	12.7	67
5	Spatial distribution of dynamics characteristic in the intermittent aeration static composting of sewage sludge. Bioresource Technology, 2011, 102, 5528-5532.	9.6	65
6	High-loading food waste and blackwater anaerobic co-digestion: Maximizing bioenergy recovery. Chemical Engineering Journal, 2020, 394, 124911.	12.7	55
7	Co-digestion to support low temperature anaerobic pretreatment of municipal sewage in a UASB–digester. Bioresource Technology, 2013, 148, 560-566.	9.6	52
8	Microbial co-occurrence network topological properties link with reactor parameters and reveal importance of low-abundance genera. Npj Biofilms and Microbiomes, 2022, 8, 3.	6.4	52
9	Impact of zero valent iron on blackwater anaerobic digestion. Bioresource Technology, 2019, 285, 121351.	9.6	49
10	Greywater treatment using an oxygen-based membrane biofilm reactor: Formation of dynamic multifunctional biofilm for organics and nitrogen removal. Chemical Engineering Journal, 2020, 386, 123989.	12.7	48
11	Enhancing biomethane recovery from source-diverted blackwater through hydrogenotrophic methanogenesis dominant pathway. Chemical Engineering Journal, 2019, 378, 122258.	12.7	46
12	Overcoming ammonia inhibition in anaerobic blackwater treatment with granular activated carbon: the role of electroactive microorganisms. Environmental Science: Water Research and Technology, 2019, 5, 383-396.	2.4	46
13	Granular activated carbon stimulated microbial physiological changes for enhanced anaerobic digestion of municipal sewage. Chemical Engineering Journal, 2020, 400, 125838.	12.7	44
14	Enhancing blackwater methane production by enriching hydrogenotrophic methanogens through hydrogen supplementation. Bioresource Technology, 2019, 278, 481-485.	9.6	42
15	Key syntrophic partnerships identified in a granular activated carbon amended UASB treating municipal sewage under low temperature conditions. Bioresource Technology, 2020, 312, 123556.	9.6	41
16	RNA-based spatial community analysis revealed intra-reactor variation and expanded collection of direct interspecies electron transfer microorganisms in anaerobic digestion. Bioresource Technology, 2020, 298, 122534.	9.6	39
17	Different micro-aeration rates facilitate production of different end-products from source-diverted blackwater. Water Research, 2020, 177, 115783.	11.3	37
18	Anaerobically digested blackwater treatment by simultaneous denitrification and anammox processes: Feeding loading affects reactor performance and microbial community succession. Chemosphere, 2020, 241, 125101.	8.2	35

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19	Improving the energy efficiency of a pilot-scale UASB-digester for low temperature domestic wastewater treatment. Biochemical Engineering Journal, 2018, 135, 71-78.	3.6	30
20	Promoting waste activated sludge reduction by linear alkylbenzene sulfonates: Surfactant dose control extracellular polymeric substances solubilization and microbial community succession. Journal of Hazardous Materials, 2019, 374, 74-82.	12.4	30
21	Microbial community dynamics in granular activated carbon enhanced up-flow anaerobic sludge blanket (UASB) treating municipal sewage under sulfate reducing and psychrophilic conditions. Chemical Engineering Journal, 2021, 405, 126957.	12.7	30
22	Biomethane recovery from source-diverted household blackwater: Impacts from feed sulfate. Chemical Engineering Research and Design, 2020, 136, 28-38.	5.6	27
23	Metagenomic insights into direct interspecies electron transfer and quorum sensing in blackwater anaerobic digestion reactors supplemented with granular activated carbon. Bioresource Technology, 2022, 352, 127113.	9.6	26
24	Anaerobic digestion of blackwater assisted by granular activated carbon: From digestion inhibition to methanogenesis enhancement. Chemosphere, 2019, 233, 462-471.	8.2	25
25	Experimental investigation on the shear properties of notched connections in mass timber panel-concrete composite floors. Construction and Building Materials, 2020, 234, 117375.	7.2	25
26	Treatment of grey water (GW) with high linear alkylbenzene sulfonates (LAS) content and carbon/nitrogen (C/N) ratio in an oxygen-based membrane biofilm reactor (O2-MBfR). Chemosphere, 2020, 258, 127363.	8.2	25
27	Self-fluidized GAC-amended UASB reactor for enhanced methane production. Chemical Engineering Journal, 2021, 420, 127652.	12.7	24
28	Simultaneous Phosphorus Recovery in Energy Generation Reactor (SPRING): High Rate Thermophilic Blackwater Treatment. Resources, Conservation and Recycling, 2021, 164, 105163.	10.8	24
29	Degradation of recalcitrant naphthenic acids from raw and ozonated oil sands process-affected waters by a semi-passive biofiltration process. Water Research, 2018, 133, 310-318.	11.3	23
30	Calcium phosphate granules formation: Key to high rate of mesophilic UASB treatment of toilet wastewater. Science of the Total Environment, 2021, 773, 144972.	8.0	21
31	Mesophiles outperform thermophiles in the anaerobic digestion of blackwater with kitchen residuals: Insights into process limitations. Waste Management, 2020, 105, 279-288.	7.4	20
32	Integrated mild ozonation with biofiltration can effectively enhance the removal of naphthenic acids from hydrocarbon-contaminated water. Science of the Total Environment, 2019, 678, 197-206.	8.0	19
33	Performance assessment on anaerobic co-digestion of Cannabis ruderalis and blackwater: Ultrasonic pretreatment and kinetic analysis. Resources, Conservation and Recycling, 2021, 169, 105506.	10.8	19
34	Biofiltration of oil sands process water in fixed-bed biofilm reactors shapes microbial community structure for enhanced degradation of naphthenic acids. Science of the Total Environment, 2020, 718, 137028.	8.0	18
35	Enhancing the resistance to H2S toxicity during anaerobic digestion of low-strength wastewater through granular activated carbon (GAC) addition. Journal of Hazardous Materials, 2022, 430, 128473.	12.4	18
36	Three-dimension oxygen gradient induced low energy input for grey water treatment in an oxygen-based membrane biofilm reactor. Environmental Research, 2020, 191, 110124.	7.5	17

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37	Impacts of granular activated carbon addition on anaerobic granulation in blackwater treatment. Environmental Research, 2022, 206, 112406.	7.5	17
38	Blackwater biomethane recovery using a thermophilic upflow anaerobic sludge blanket reactor: Impacts of effluent recirculation on reactor performance. Journal of Environmental Management, 2020, 274, 111157.	7.8	16
39	Evaluation of long term stability of seeded bacteria in a bio-enhanced activated carbon filter used for treating drinking water. International Biodeterioration and Biodegradation, 2013, 85, 701-708.	3.9	14
40	Influence of the organic loading rate on the performance and the granular sludge characteristics of an EGSB reactor used for treating traditional Chinese medicine wastewater. Environmental Science and Pollution Research, 2014, 21, 8167-8175.	5.3	13
41	Anaerobic co-digestion of Cannabis ruderalis straw and blackwater: Hydrothermal pretreatment assessment and mono/co-digestion analysis. Renewable Energy, 2021, 170, 1107-1113.	8.9	13
42	The effect of sludge recirculation rate on a UASB-digester treating domestic sewage at 15 ŰC. Water Science and Technology, 2012, 66, 2597-2603.	2.5	12
43	A highâ€rate anaerobic biofilm reactor for biomethane recovery from sourceâ€separated blackwater at ambient temperature. Water Environment Research, 2021, 93, 61-74.	2.7	11
44	Application of an indigenous microorganisms-based fixed-bed GAC-biofilm reactor for passive and sustainable treatment of oil sands process water through combined adsorption and biodegradation processes. Chemosphere, 2021, 280, 130635.	8.2	11
45	Roles of granular activated carbon (GAC) and operational factors on active microbiome development in anaerobic reactors. Bioresource Technology, 2022, 343, 126104.	9.6	10
46	Energy recovery from municipal wastewater: impacts of temperature and collection systems. Journal of Environmental Engineering and Science, 2019, 14, 24-31.	0.8	9
47	Calcium hypochlorite pretreatment improves thermophilic digestion of waste activated sludge in an upflow anaerobic sludge blanket reactor. Science of the Total Environment, 2022, 809, 151130.	8.0	8
48	Pretreatment for anaerobic blackwater treatment: ultrasonication and thermal hydrolysis. Journal of Environmental Engineering and Science, 2019, 14, 32-36.	0.8	7
49	Thermophilic co-digestion of blackwater and organic kitchen waste: Impacts of granular activated carbon and different mixing ratios. Waste Management, 2021, 131, 453-461.	7.4	7
50	Adsorption property of direct red brown onto acid-thermal-modified sepiolite and optimization of adsorption conditions using Box-Behnken response surface methodology. Desalination and Water Treatment, 2014, 52, 880-888.	1.0	4
51	Cocoamidopropyl Betaine Dosage Dependence of Short-Time Aerobic Digestion for Waste-Activated Sludge Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 877-884.	6.7	4
52	A new non-steady-state mass balance model for quantifying microbiome responses to disturbances in wastewater bioreactors. Journal of Environmental Management, 2021, 296, 113370.	7.8	4
53	Enhancement of tannery wastewater treatment at low temperature by coagulation coupled with cationic polyacrylamide. , 2009, , .		2
54	Impact of feedwater protein contents on calcium phosphate mineralization in anaerobic digesters. Journal of Environmental Chemical Engineering, 2021, 9, 106445.	6.7	2

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55	Calcium Hypochlorite Pretreatment Enhances Waste-Activated Sludge Degradation during Aerobic Digestion. Journal of Environmental Engineering, ASCE, 2022, 148, .	1.4	2
56	Coupling of (methaneÂ+Âair)-membrane biofilms and air-membrane biofilms: Treatment of p-nitroaniline wastewater. Journal of Hazardous Materials, 2022, 435, 128946.	12.4	2
57	The Characteristic of the Soluble Microbial Products from an Anaerobic Reactor at Low Temperature. Advanced Materials Research, 2012, 518-523, 1808-1812.	0.3	0