

# Yang Liu

## List of Publications by Year in descending order

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242  
papers

8,146  
citations

41258

49  
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79541

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246  
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docs citations

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times ranked

8205  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review of microbial electrolysis cells coupled with anaerobic digester for enhanced biomethane recovery from high-strength feedstocks. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 50-89.	6.6	27
2	Municipal wastewater treatment using a membrane aerated biofilm reactor. <i>Journal of Environmental Engineering and Science</i> , 2022, 17, 99-107.	0.3	3
3	The influent COD/N ratio controlled the linear alkylbenzene sulfonate biodegradation and extracellular polymeric substances accumulation in an oxygen-based membrane biofilm reactor. <i>Journal of Hazardous Materials</i> , 2022, 422, 126862.	6.5	18
4	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
5	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
6	Impacts of granular activated carbon addition on anaerobic granulation in blackwater treatment. <i>Environmental Research</i> , 2022, 206, 112406.	3.7	17
7	Microbial co-occurrence network topological properties link with reactor parameters and reveal importance of low-abundance genera. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 3.	2.9	52
8	Calcium Hypochlorite Pretreatment Enhances Waste-Activated Sludge Degradation during Aerobic Digestion. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	0.7	2
9	Effective N <sub>2</sub> O emission control during the nitrification/denitrification treatment of ammonia rich wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107234.	3.3	6
10	Dopamine Assisted Self-Cleaning, Antifouling, and Antibacterial Coating <i>via</i> Dynamic Covalent Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 9557-9569.	4.0	37
11	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
12	Effect of phosphate and ammonium concentrations, total suspended solids and alkalinity on lignin-induced struvite precipitation. <i>Scientific Reports</i> , 2022, 12, 2901.	1.6	6
13	Response of antibiotic resistance genes and microbial niches to dissolved oxygen in an oxygen-based membrane biofilm reactor during greywater treatment. <i>Science of the Total Environment</i> , 2022, 833, 155062.	3.9	17
14	Metagenomic insights into direct interspecies electron transfer and quorum sensing in blackwater anaerobic digestion reactors supplemented with granular activated carbon. <i>Bioresource Technology</i> , 2022, 352, 127113.	4.8	26
15	Modeling and optimization of an upflow anaerobic sludge blanket (UASB) system treating blackwaters. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107614.	3.3	6
16	Hyperbranched Polyesters Based on Indole- and Lignin-Derived Monomeric Aromatic Aldehydes as Effective Nonionic Antimicrobial Coatings with Excellent Biocompatibility. <i>Biomacromolecules</i> , 2022, 23, 150-162.	2.6	13
17	Anaerobic digestion of thickened waste activated sludge under calcium hypochlorite stress: Performance stability and microbial communities. <i>Environmental Research</i> , 2022, 212, 113441.	3.7	7
18	Importance of low-abundance microbial species in response to disturbances in wastewater bioreactors. <i>Chemical Engineering Research and Design</i> , 2022, 162, 663-671.	2.7	4

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19	Effluent recirculation weakens the hydrolysis of high-solid content feeds in upflow anaerobic sludge blanket reactors. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107913.	3.3	5
20	A multifaceted screening of applied voltages for electro-assisted anaerobic digestion of blackwater: Significance of temperature, hydrolysis/acidogenesis, electrode corrosion, and energy efficiencies. <i>Bioresource Technology</i> , 2022, 360, 127533.	4.8	4
21	Phosphorus Removal from Aerobic Granular Sludge: Proliferation of Polyphosphate-Accumulating Organisms (PAOs) under Different Feeding Strategies. <i>Processes</i> , 2022, 10, 1399.	1.3	5
22	Mature landfill leachate treatment using granular sludge-based reactor (GSR) via nitrification/denitrification: Process startup and optimization. <i>Science of the Total Environment</i> , 2022, 844, 157078.	3.9	10
23	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
24	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
25	Self-fluidized GAC-amended UASB reactor for enhanced methane production. <i>Chemical Engineering Journal</i> , 2021, 420, 127652.	6.6	24
26	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
27	Evolution of extracellular polymeric substances (EPS) in aerobic sludge granulation: Composition, adherence and viscoelastic properties. <i>Chemosphere</i> , 2021, 262, 128033.	4.2	46
28	Simultaneous Phosphorus Recovery in Energy Generation Reactor (SPRING): High Rate Thermophilic Blackwater Treatment. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105163.	5.3	24
29	Role of syntrophic acetate oxidation and hydrogenotrophic methanogenesis in co-digestion of blackwater with food waste. <i>Journal of Cleaner Production</i> , 2021, 283, 125393.	4.6	14
30	Effect of feeding strategy and organic loading rate on the formation and stability of aerobic granular sludge. <i>Journal of Water Process Engineering</i> , 2021, 39, 101709.	2.6	38
31	State-of-the-art technologies for continuous high-rate biohydrogen production. <i>Bioresource Technology</i> , 2021, 320, 124304.	4.8	73
32	Mechanisms and kinetics of greywater treatment using biologically active granular activated carbon. <i>Chemosphere</i> , 2021, 263, 128113.	4.2	27
33	Release of Cellulose Nanocrystal Particles from Natural Rubber Latex Composites into Immersed Aqueous Media. <i>ACS Applied Bio Materials</i> , 2021, 4, 1413-1423.	2.3	3
34	Coupling Microbial Electrolysis Cell and Activated Carbon Biofilter for Source-Separated Greywater Treatment. <i>Processes</i> , 2021, 9, 281.	1.3	4
35	Antifouling and Antibacterial Polymer-Coated Surfaces Based on the Combined Effect of Zwitterions and the Natural Borneol. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9006-9014.	4.0	65
36	Impact of Total Suspended Solids on Struvite Precipitation from Source-Diverted Blackwater. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	3

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37	Dual Cross-Linked Hydrogels with Injectable, Self-Healing, and Antibacterial Properties Based on the Chemical and Physical Cross-Linking. <i>Biomacromolecules</i> , 2021, 22, 1685-1694.	2.6	35
38	Evaluation of influent microbial immigration to activated sludge is affected by different-sized community segregation. <i>Npj Clean Water</i> , 2021, 4, .	3.1	4
39	Lumen air pressure (LAP) affecting greywater treatment in an oxygen-based membrane biofilm reactor (O <sub>2</sub> -MBfR). <i>Chemosphere</i> , 2021, 270, 129541.	4.2	14
40	Effects of micro-aeration on microbial niches and antimicrobial resistances in blackwater anaerobic digesters. <i>Water Research</i> , 2021, 196, 117035.	5.3	39
41	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
42	Anaerobic co-digestion of Cannabis ruderalis straw and blackwater: Hydrothermal pretreatment assessment and mono/co-digestion analysis. <i>Renewable Energy</i> , 2021, 170, 1107-1113.	4.3	13
43	Performance assessment on anaerobic co-digestion of Cannabis ruderalis and blackwater: Ultrasonic pretreatment and kinetic analysis. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105506.	5.3	19
44	Thermophilic co-digestion of blackwater and organic kitchen waste: Impacts of granular activated carbon and different mixing ratios. <i>Waste Management</i> , 2021, 131, 453-461.	3.7	7
45	Greywater biodegradability and biological treatment technologies: A critical review. <i>International Biodeterioration and Biodegradation</i> , 2021, 161, 105211.	1.9	40
46	Pushing the organic loading rate in electrochemically assisted anaerobic digestion of blackwater at ambient temperature: Insights into microbial community dynamics. <i>Science of the Total Environment</i> , 2021, 781, 146694.	3.9	15
47	Shaping biofilm microbiomes by changing GAC location during wastewater anaerobic digestion. <i>Science of the Total Environment</i> , 2021, 780, 146488.	3.9	18
48	Impact of feedwater protein contents on calcium phosphate mineralization in anaerobic digesters. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106445.	3.3	2
49	Extracellular electron transfer influences the transport and retention of ferrihydrite nanoparticles in quartz sand coated with <i>Shewanella oneidensis</i> biofilm. <i>Journal of Hazardous Materials</i> , 2021, 417, 126023.	6.5	3
50	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
51	Assessing the risk from trace organic contaminants released via greywater irrigation to the aquatic environment. <i>Water Research</i> , 2021, 205, 117664.	5.3	13
52	Enhanced trichloroethylene biodegradation: Roles of biochar-microbial collaboration beyond adsorption. <i>Science of the Total Environment</i> , 2021, 792, 148451.	3.9	36
53	Cometabolism accelerated simultaneous ammoxidation and organics mineralization in an oxygen-based membrane biofilm reactor treating greywater under low dissolved oxygen conditions. <i>Science of the Total Environment</i> , 2021, 789, 147898.	3.9	13
54	Microbiologically induced calcite precipitation technology for mineralizing lead and cadmium in landfill leachate. <i>Journal of Environmental Management</i> , 2021, 296, 113199.	3.8	28

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55	Calcium hypochlorite enhances the digestibility of and the phosphorus recovery from waste activated sludge. <i>Bioresource Technology</i> , 2021, 340, 125658.	4.8	16
56	Anaerobically digested blackwater treatment by simultaneous denitrification and anammox processes: Feeding loading affects reactor performance and microbial community succession. <i>Chemosphere</i> , 2020, 241, 125101.	4.2	35
57	Treatment of fracturing wastewater using microalgae-bacteria consortium. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 484-490.	0.9	10
58	Effect and mechanism of quorum sensing on horizontal transfer of multidrug plasmid RP4 in BAC biofilm. <i>Science of the Total Environment</i> , 2020, 698, 134236.	3.9	51
59	Life cycle assessment of decentralized greywater treatment systems with reuse at different scales in cold regions. <i>Environment International</i> , 2020, 134, 105215.	4.8	59
60	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
61	Greywater treatment using an oxygen-based membrane biofilm reactor: Formation of dynamic multifunctional biofilm for organics and nitrogen removal. <i>Chemical Engineering Journal</i> , 2020, 386, 123989.	6.6	48
62	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
63	Effects of Electrokinetic Phenomena on Bacterial Deposition Monitored by Quartz Crystal Microbalance with Dissipation Monitoring. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14036-14045.	4.6	11
64	Blackwater biomethane recovery using a thermophilic upflow anaerobic sludge blanket reactor: Impacts of effluent recirculation on reactor performance. <i>Journal of Environmental Management</i> , 2020, 274, 111157.	3.8	16
65	Phosphorus recovery from source-diverted blackwater through struvite precipitation. <i>Science of the Total Environment</i> , 2020, 743, 140747.	3.9	46
66	Phosphorus recovery from synthetic biosolid digestion supernatant through lignin-induced struvite precipitation. <i>Journal of Cleaner Production</i> , 2020, 276, 124235.	4.6	9
67	Three-dimension oxygen gradient induced low energy input for grey water treatment in an oxygen-based membrane biofilm reactor. <i>Environmental Research</i> , 2020, 191, 110124.	3.7	17
68	Water reclamation and reuse. <i>Water Environment Research</i> , 2020, 92, 1701-1710.	1.3	2
69	Viability of a Single-Stage Unsaturated-Saturated Granular Activated Carbon Biofilter for Greywater Treatment. <i>Sustainability</i> , 2020, 12, 8847.	1.6	5
70	Development and investigation of novel antifouling cellulose acetate ultrafiltration membrane based on dopamine modification. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 652-659.	3.6	30
71	Single reactor nitrification-denitrification for high strength digested biosolid thickening lagoon supernatant treatment. <i>Biochemical Engineering Journal</i> , 2020, 160, 107630.	1.8	10
72	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

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73	Life Cycle Assessment of Community-Based Sewer Mining: Integrated Heat Recovery and Fit-For-Purpose Water Reuse. <i>Environments - MDPI</i> , 2020, 7, 36.	1.5	5
74	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
75	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). <i>Chemosphere</i> , 2020, 258, 127363.	4.2	25
76	Mesophiles outperform thermophiles in the anaerobic digestion of blackwater with kitchen residuals: Insights into process limitations. <i>Waste Management</i> , 2020, 105, 279-288.	3.7	20
77	Improvement of biofuel recovery from food waste by integration of anaerobic digestion, digestate pyrolysis and syngas biomethanation under mesophilic and thermophilic conditions. <i>Journal of Cleaner Production</i> , 2020, 256, 120594.	4.6	42
78	The importance of integrated fixed film activated sludge reactor and intermittent aeration in nitrification-anammox systems: Understanding reactor optimization for lagoon supernatant treatment. <i>International Biodeterioration and Biodegradation</i> , 2020, 149, 104938.	1.9	13
79	Different micro-aeration rates facilitate production of different end-products from source-diverted blackwater. <i>Water Research</i> , 2020, 177, 115783.	5.3	37
80	High-loading food waste and blackwater anaerobic co-digestion: Maximizing bioenergy recovery. <i>Chemical Engineering Journal</i> , 2020, 394, 124911.	6.6	55
81	Long-term continuous partial nitrification-anammox reactor aeration optimization at different nitrogen loading rates for the treatment of ammonium rich digestate lagoon supernatant. <i>Process Biochemistry</i> , 2020, 99, 139-146.	1.8	8
82	Co-digestion of blackwater with kitchen organic waste: Effects of mixing ratios and insights into microbial community. <i>Journal of Cleaner Production</i> , 2019, 236, 117703.	4.6	55
83	Anammox reactor optimization for the treatment of ammonium rich digestate lagoon supernatant - Step feeding mitigates nitrite inhibition. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104733.	1.9	16
84	Enhancing biomethane recovery from source-diverted blackwater through hydrogenotrophic methanogenesis dominant pathway. <i>Chemical Engineering Journal</i> , 2019, 378, 122258.	6.6	46
85	Impact of the filamentous fungi overgrowth on the aerobic granular sludge process. <i>Bioresource Technology Reports</i> , 2019, 7, 100272.	1.5	10
86	Water reclamation and reuse. <i>Water Environment Research</i> , 2019, 91, 1080-1090.	1.3	6
87	Improving nitrogen removal in an IFAS nitrification-anammox reactor treating lagoon supernatant by manipulating biocarrier filling ratio and hydraulic retention time. <i>Biochemical Engineering Journal</i> , 2019, 152, 107365.	1.8	5
88	Overcoming ammonia inhibition in anaerobic blackwater treatment with granular activated carbon: the role of electroactive microorganisms. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 383-396.	1.2	46
89	Prussian blue analogue derived magnetic Cu-Fe oxide as a recyclable photo-Fenton catalyst for the efficient removal of sulfamethazine at near neutral pH values. <i>Chemical Engineering Journal</i> , 2019, 362, 865-876.	6.6	181
90	Comparison of extracellular polymeric substance (EPS) in nitrification and nitrification bioreactors. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104713.	1.9	46

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91	Impacts of biofilm on monochloramine decay in storm sewer systems: Direct reactions or AOB cometabolism. <i>Biochemical Engineering Journal</i> , 2019, 149, 107246.	1.8	0
92	Nutrient recovery from source-diverted blackwater: Optimization for enhanced phosphorus recovery and reduced co-precipitation. <i>Journal of Cleaner Production</i> , 2019, 235, 417-425.	4.6	17
93	Microbial community dynamics in anaerobic digesters treating conventional and vacuum toilet flushed blackwater. <i>Water Research</i> , 2019, 160, 249-258.	5.3	71
94	Anaerobic digestion of blackwater assisted by granular activated carbon: From digestion inhibition to methanogenesis enhancement. <i>Chemosphere</i> , 2019, 233, 462-471.	4.2	25
95	The value of floc and biofilm bacteria for anammox stability when treating ammonia-rich digester sludge thickening lagoon supernatant. <i>Chemosphere</i> , 2019, 233, 472-481.	4.2	36
96	Removal of <i>Cryptosporidium</i> surrogates in drinking water direct filtration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 499-505.	2.5	4
97	Importance of controlling phosphate concentration in nitrification-anammox reactor operation. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1234-1243.	1.2	7
98	Treatment of formaldehyde wastewater by a membrane-aerated biofilm reactor (MABR): The degradation of formaldehyde in the presence of the cosubstrate methanol. <i>Chemical Engineering Journal</i> , 2019, 372, 673-683.	6.6	61
99	Impact of zero valent iron on blackwater anaerobic digestion. <i>Bioresource Technology</i> , 2019, 285, 121351.	4.8	49
100	Pretreatment for anaerobic blackwater treatment: ultrasonication and thermal hydrolysis. <i>Journal of Environmental Engineering and Science</i> , 2019, 14, 32-36.	0.3	7
101	Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. <i>Coordination Chemistry Reviews</i> , 2019, 388, 63-78.	9.5	235
102	Comparative effects of GAC addition on methane productivity and microbial community in mesophilic and thermophilic anaerobic digestion of food waste. <i>Biochemical Engineering Journal</i> , 2019, 146, 79-87.	1.8	81
103	Promoting waste activated sludge reduction by linear alkylbenzene sulfonates: Surfactant dose control extracellular polymeric substances solubilization and microbial community succession. <i>Journal of Hazardous Materials</i> , 2019, 374, 74-82.	6.5	30
104	Evaluating Microbial and Chemical Hazards in Commercial Struvite Recovered from Wastewater. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5378-5386.	4.6	31
105	Adsorption and Co-precipitation of Metoprolol with Struvite Recovered from Synthetic Source Separated Black Wastewater. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 611, 012053.	0.3	0
106	Redworm elimination in an integrated fixed-film activated sludge reactor. <i>Journal of Environmental Engineering and Science</i> , 2019, 14, 44-53.	0.3	2
107	Microbial population dynamics in a partial nitrification reactor treating high ammonia strength supernatant from anaerobically digested sludge: Role of the feed water characteristics. <i>International Biodeterioration and Biodegradation</i> , 2019, 137, 109-117.	1.9	18
108	Rapid Mussel-Inspired Surface Zwitteration for Enhanced Antifouling and Antibacterial Properties. <i>Langmuir</i> , 2019, 35, 1621-1630.	1.6	62

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109	Cocoamidopropyl Betaine Dosage Dependence of Short-Time Aerobic Digestion for Waste-Activated Sludge Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 877-884.	3.2	4
110	Enhancing blackwater methane production by enriching hydrogenotrophic methanogens through hydrogen supplementation. <i>Bioresource Technology</i> , 2019, 278, 481-485.	4.8	42
111	Functionalized polystyrene microspheres as <i>Cryptosporidium</i> surrogates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 680-687.	2.5	8
112	Energy recovery from municipal wastewater: impacts of temperature and collection systems. <i>Journal of Environmental Engineering and Science</i> , 2019, 14, 24-31.	0.3	9
113	Influence of pyrolysis temperature on production of digested sludge biochar and its application for ammonium removal from municipal wastewater. <i>Journal of Cleaner Production</i> , 2019, 209, 927-936.	4.6	179
114	Performance of anaerobic treatment of blackwater collected from different toilet flushing systems: Can we achieve both energy recovery and water conservation?. <i>Journal of Hazardous Materials</i> , 2019, 365, 44-52.	6.5	95
115	Improving the energy efficiency of a pilot-scale UASB-digester for low temperature domestic wastewater treatment. <i>Biochemical Engineering Journal</i> , 2018, 135, 71-78.	1.8	30
116	Effect of Flow Rate Increase on the Performance of a Pilot-Scale Biological Nutrient Removal Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, 04018022.	0.7	5
117	Bioreactors for oil sands process-affected water (OSPW) treatment: A critical review. <i>Science of the Total Environment</i> , 2018, 627, 916-933.	3.9	35
118	Probing molecular interaction mechanisms of organic fouling on polyamide membrane using a surface forces apparatus: Implication for wastewater treatment. <i>Science of the Total Environment</i> , 2018, 622-623, 644-654.	3.9	16
119	Fabrication of antifouling and antibacterial polyethersulfone (PES)/cellulose nanocrystals (CNC) nanocomposite membranes. <i>Journal of Membrane Science</i> , 2018, 549, 350-356.	4.1	135
120	Field data analysis of active chlorine-containing stormwater samples. <i>Journal of Environmental Management</i> , 2018, 206, 51-59.	3.8	15
121	The role of ozone pretreatment on optimization of membrane bioreactor for treatment of oil sands process-affected water. <i>Journal of Hazardous Materials</i> , 2018, 347, 470-477.	6.5	22
122	Monochloramine loss mechanisms and dissolved organic matter characterization in stormwater. <i>Science of the Total Environment</i> , 2018, 631-632, 745-754.	3.9	13
123	Isotherm and kinetic studies on adsorption of oil sands process-affected water organic compounds using granular activated carbon. <i>Chemosphere</i> , 2018, 202, 716-725.	4.2	53
124	Contradictory effects of silver nanoparticles on activated sludge wastewater treatment. <i>Journal of Hazardous Materials</i> , 2018, 341, 448-456.	6.5	38
125	Monochloramine dissipation in storm sewer systems: field testing and model development. <i>Water Science and Technology</i> , 2018, 78, 2279-2287.	1.2	3
126	Interactions of a paracyclophane-based conjugated oligoelectrolyte with biological membranes. <i>RSC Advances</i> , 2018, 8, 39849-39853.	1.7	9



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127	Impact of antimicrobial silver nanoparticles on anode respiring bacteria in a microbial electrolysis cell. <i>Chemosphere</i> , 2018, 213, 259-267.	4.2	23
128	Impacts of ammonium loading on nitrification stability and microbial community dynamics in the integrated fixed-film activated sludge sequencing batch reactor (IFAS-SBR). <i>International Biodeterioration and Biodegradation</i> , 2018, 133, 63-69.	1.9	29
129	Role of biochar in the granulation of anaerobic sludge and improvement of electron transfer characteristics. <i>Bioresource Technology</i> , 2018, 268, 28-35.	4.8	117
130	Potential impacts of silver nanoparticles on bacteria in the aquatic environment. <i>Journal of Environmental Management</i> , 2017, 191, 290-296.	3.8	65
131	Effect of multi-walled carbon nanotubes on linear viscoelastic behavior and microstructure of zwitterionic wormlike micelle at high temperature. <i>Chemical Engineering Research and Design</i> , 2017, 123, 14-22.	2.7	26
132	Optimization of moving bed biofilm reactors for oil sands process-affected water treatment: The effect of HRT and ammonia concentrations. <i>Science of the Total Environment</i> , 2017, 598, 690-696.	3.9	16
133	Dynamics of naphthenic acids and microbial community structures in a membrane bioreactor treating oil sands process-affected water: impacts of supplemented inorganic nitrogen and hydraulic retention time. <i>RSC Advances</i> , 2017, 7, 17670-17681.	1.7	15
134	Filtration of Glycoprotein-Modified Carboxylated Polystyrene Microspheres as <i>Cryptosporidium</i> Oocysts Surrogates: Effects of Flow Rate, Alum, and Humic Acid. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, 04017032.	0.7	4
135	Transport of bacteria in porous media and its enhancement by surfactants for bioaugmentation: A review. <i>Biotechnology Advances</i> , 2017, 35, 490-504.	6.0	77
136	Characterization of microbial communities during start-up of integrated fixed-film activated sludge (IFAS) systems for the treatment of oil sands process-affected water (OSPW). <i>Biochemical Engineering Journal</i> , 2017, 122, 123-132.	1.8	29
137	Performance of flocs and biofilms in integrated fixed-film activated sludge (IFAS) systems for the treatment of oil sands process-affected water (OSPW). <i>Chemical Engineering Journal</i> , 2017, 314, 368-377.	6.6	27
138	Effect of low concentration rhamnolipid biosurfactant on <i>Pseudomonas aeruginosa</i> transport in natural porous media. <i>Water Resources Research</i> , 2017, 53, 361-375.	1.7	25
139	Comparison of biomass from integrated fixed-film activated sludge (IFAS), moving bed biofilm reactor (MBBR) and membrane bioreactor (MBR) treating recalcitrant organics: Importance of attached biomass. <i>Journal of Hazardous Materials</i> , 2017, 326, 120-129.	6.5	58
140	Benefits to decomposition rates when using digestate as compost co-feedstock: Part II – Focus on microbial community dynamics. <i>Waste Management</i> , 2017, 68, 85-95.	3.7	23
141	Wastewater ammonia removal using an integrated fixed-film activated sludge-sequencing batch biofilm reactor (IFAS-SBR): Comparison of suspended flocs and attached biofilm. <i>International Biodeterioration and Biodegradation</i> , 2017, 116, 38-47.	1.9	72
142	Monochloramine Loss Mechanisms in Tap Water. <i>Water Environment Research</i> , 2017, 89, 1999-2005.	1.3	11
143	Comparison of the transport and deposition of <i>Pseudomonas aeruginosa</i> under aerobic and anaerobic conditions. <i>Water Resources Research</i> , 2016, 52, 1127-1139.	1.7	5
144	Sulfate reducing bacterial community and in situ activity in mature fine tailings analyzed by real time qPCR and microsensor. <i>Journal of Environmental Sciences</i> , 2016, 44, 141-147.	3.2	5

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145	A two-step flocculation process on oil sands tailings treatment using oppositely charged polymer flocculants. <i>Science of the Total Environment</i> , 2016, 565, 369-375.	3.9	66
146	Application of forward osmosis membrane technology for oil sands process-affected water desalination. <i>Water Science and Technology</i> , 2016, 73, 1809-1816.	1.2	14
147	Self-Healing and Injectable Shear Thinning Hydrogels Based on Dynamic Oxaborole-Diol Covalent Cross-Linking. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 2315-2323.	2.6	42
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