Yu Liu

List of Publications by Year
in descending order

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349 papers	23,752 citations	7561 77 h-index	10724 138 g-index
367 all docs	367 docs citations	367 times ranked	16011 citing authors

#	Article	IF	Citations
1	Inhibition mechanisms of ammonia and sulfate in high-solids anaerobic digesters for food waste treatment: Microbial community and element distributions responses. Chinese Chemical Letters, 2023, 34, 107439.	4.8	17
2	Circular economy is game-changing municipal wastewater treatment technology towards energy and carbon neutrality. Chemical Engineering Journal, 2022, 429, 132114.	6.6	25
3	Twelve natural estrogens in urines of swine and cattle: Concentration profiles and importance of eight less-studied. Science of the Total Environment, 2022, 803, 150042.	3.9	17
4	Towards carbon neutrality and water sustainability: An integrated anaerobic fixed-film MBR-reverse osmosis-chlorination process for municipal wastewater reclamation. Chemosphere, 2022, 287, 132060.	4.2	12
5	Waste cooking oil used as carbon source for microbial lipid production: Promoter or inhibitor. Environmental Research, 2022, 203, 111881.	3.7	46
6	Investigations on the pyrolysis of microalgal-bacterial granular sludge: Products, kinetics, and potential mechanisms. Bioresource Technology, 2022, 349, 126328.	4.8	26
7	Stability properties of natural estrogen conjugates in different aqueous samples at room temperature and tips for sample storage. Environmental Science and Pollution Research, 2022, 29, 24589-24598.	2.7	5
8	A mainstream anammox fixed-film membrane bioreactor with novel sandwich-structured carriers for fast start-up, effective sludge retention and membrane fouling mitigation. Bioresource Technology, 2022, 347, 126370.	4.8	13
9	Granule size informs the characteristics and performance of microalgal-bacterial granular sludge for wastewater treatment. Bioresource Technology, 2022, 346, 126649.	4.8	25
10	Sulfite may disrupt estrogen homeostasis in human via inhibition of steroid arylsulfatase. Environmental Science and Pollution Research, 2022, 29, 19913.	2.7	2
11	Necessity of direct energy and ammonium recovery for carbon neutral municipal wastewater reclamation in an innovative anaerobic MBR-biochar adsorption-reverse osmosis process. Water Research, 2022, 211, 118058.	5.3	30
12	Facile Synthesis of Magnetic Biochar Derived from Burley Tobacco Stems towards Enhanced Cr(VI) Removal: Performance and Mechanism. Nanomaterials, 2022, 12, 678.	1.9	22
13	Dissolved methane in anaerobic effluent: Emission or recovery?. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	3
14	A continuous-flow non-aerated microalgal-bacterial granular sludge process for aquaculture wastewater treatment under natural day-night conditions. Bioresource Technology, 2022, 350, 126914.	4.8	19
15	Microalgal-bacterial granular sludge for municipal wastewater treatment: From concept to practice. Bioresource Technology, 2022, 354, 127201.	4.8	23
16	Twelve natural estrogens in urines of six threatened or endangered mammalian species in Zoo Park: implications and their potential risk. Environmental Science and Pollution Research, 2022, 29, 49404-49410.	2.7	5
17	Deciphering the concurrence of comammox, partial denitrification and anammox in a single low-oxygen mainstream nitrogen removal reactor. Chemosphere, 2022, 305, 135409.	4.2	18
18	Making waves: Improving removal performance of conventional wastewater treatment plants on endocrine disrupting compounds (EDCs): their conjugates matter. Water Research, 2021, 188, 116469.	5.3	46

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19	A novel single-stage ceramic membrane moving bed biofilm reactor coupled with reverse osmosis for reclamation of municipal wastewater to NEWater-like product water. Chemosphere, 2021, 268, 128836.	4.2	15
20	Reverse osmosis concentrate: An essential link for closing loop of municipal wastewater reclamation towards urban sustainability. Chemical Engineering Journal, 2021, 421, 127773.	6.6	17
21	Transparent exopolymer particles (TEPs)-associated protobiofilm: A neglected contributor to biofouling during membrane filtration. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	3.3	31
22	Microalgal-bacterial granular sludge process: A game changer of future municipal wastewater treatment?. Science of the Total Environment, 2021, 752, 141957.	3.9	77
23	Legislation against endocrine-disrupting compounds in drinking water: essential but not enough to ensure water safety. Environmental Science and Pollution Research, 2021, 28, 19505-19510.	2.7	20
24	Cadmium-effect on performance and symbiotic relationship of microalgal-bacterial granules. Journal of Cleaner Production, 2021, 282, 125383.	4.6	33
25	Veterinary antibiotics in swine and cattle wastewaters of China and the United States: Features and differences. Water Environment Research, 2021, 93, 1516-1529.	1.3	13
26	Inhibition Properties of Arylsulfatase and Î²-Glucuronidase by Hydrogen Peroxide, Hypochlorite, and Peracetic Acid. ACS Omega, 2021, 6, 8163-8170.	1.6	5
27	Possible overestimation of bisphenol analogues in municipal wastewater analyzed with GC-MS. Environmental Pollution, 2021, 273, 116505.	3.7	18
28	Temperature-effect on the performance of non-aerated microalgal-bacterial granular sludge process in municipal wastewater treatment. Journal of Environmental Management, 2021, 282, 111955.	3.8	66
29	Microalgal-bacterial granular sludge for municipal wastewater treatment under simulated natural diel cycles: Performances-metabolic pathways-microbial community nexus. Algal Research, 2021, 54, 102198.	2.4	33
30	Occurrence and removal of 17Î±-ethynylestradiol (EE2) in municipal wastewater treatment plants: Current status and challenges. Chemosphere, 2021, 271, 129551.	4.2	49
31	Tetracycline-induced decoupling of symbiosis in microalgal-bacterial granular sludge. Environmental Research, 2021, 197, 111095.	3.7	34
32	Far-Less Studied Natural Estrogens as Ignored Emerging Contaminants in Surface Water: Insights from Their Occurrence in the Pearl River, South China. ACS ES&T Water, 2021, 1, 1776-1784.	2.3	11
33	Integrated forward osmosis-adsorption process for strontium-containing water treatment: Pre-concentration and solidification. Journal of Hazardous Materials, 2021, 414, 125518.	6.5	17
34	Circular economy-driven ammonium recovery from municipal wastewater: State of the art, challenges and solutions forward. Bioresource Technology, 2021, 334, 125231.	4.8	45
35	A review of 17Î±-ethynylestradiol (EE2) in surface water across 32 countries: Sources, concentrations, and potential estrogenic effects. Journal of Environmental Management, 2021, 292, 112804.	3.8	52
36	Insight into the rapid biogranulation for suspended single-cell microalgae harvesting in wastewater treatment systems: Focus on the role of extracellular polymeric substances. Chemical Engineering Journal, 2021, , 132631.	6.6	6

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37	A Global Overview of SARS-CoV-2 in Wastewater: Detection, Treatment, and Prevention. ACS ES&T Water, 2021, 1, 2174-2185.	2.3	8
38	Concurrent removal of Cu(II), Co(II) and Ni(II) from wastewater by nanostructured layered sodium vanadosilicate: Competitive adsorption kinetics and mechanisms. Journal of Environmental Chemical Engineering, 2021, 9, 105945.	3.3	11
39	Phosphate recovery from the P-enriched brine of AnMBR-RO-IE treating municipal wastewater via an innovated phosphorus recovery batch reactor with nano-sorbents. Chemosphere, 2021, 284, 131259.	4.2	5
40	The Limitations in Current Studies of Organic Fouling and Future Prospects. Membranes, 2021, 11, 922.	1.4	3
41	Assessment of Microalgal-Bacterial Granular Sludge Process for Environmentally Sustainable Municipal Wastewater Treatment. ACS ES&T Water, 2021, 1, 2459-2469.	2.3	40
42	Potential toxicity and implication of halogenated byproducts generated in MBR onlineâ€cleaning with hypochlorite. Journal of Chemical Technology and Biotechnology, 2020, 95, 20-26.	1.6	8
43	Performance, membrane fouling control and cost analysis of an integrated anaerobic fixed-film MBR and reverse osmosis process for municipal wastewater reclamation to NEWater-like product water. Journal of Membrane Science, 2020, 593, 117442.	4.1	52
44	A review on mainstream deammonification of municipal wastewater: Novel dual step process. Bioresource Technology, 2020, 299, 122674.	4.8	31
45	Integration of an anaerobic fluidized-bed membrane bioreactor (MBR) with zeolite adsorption and reverse osmosis (RO) for municipal wastewater reclamation: Comparison with an anoxic-aerobic MBR coupled with RO. Chemosphere, 2020, 245, 125569.	4.2	30
46	Modelling bacterial chemotaxis for indirectly binding attractants. Journal of Theoretical Biology, 2020, 487, 110120.	0.8	2
47	Formation mechanisms of emerging organic contaminants during on-line membrane cleaning with NaOCl in MBR. Journal of Hazardous Materials, 2020, 386, 121966.	6.5	29
48	Performance and microbial community in a single-stage simultaneous carbon oxidation, partial nitritation, denitritation and anammox system treating synthetic coking wastewater under the stress of phenol. Chemosphere, 2020, 243, 125382.	4.2	30
49	A novel micro-ferrous dosing strategy for enhancing biological phosphorus removal from municipal wastewater. Science of the Total Environment, 2020, 704, 135453.	3.9	41
50	Delicate manipulation of cobalt oxide nanodot clusterization on binder-free TiO2-nanorod photoanodes for efficient photoelectrochemical catalysis. Journal of Alloys and Compounds, 2020, 820, 153139.	2.8	5
51	Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. Science of the Total Environment, 2020, 704, 135369.	3.9	56
52	Development of an integrated aerobic granular sludge MBR and reverse osmosis process for municipal wastewater reclamation. Science of the Total Environment, 2020, 748, 141309.	3.9	8
53	Catalytic pyrolysis of rain tree biomass with nano nickel oxide synthetized from nickel plating slag: A green path for treating waste by waste. Bioresource Technology, 2020, 315, 123831.	4.8	30
54	Architecting epitaxial-lattice-mismatch-free (LMF) zinc oxide/bismuth oxyiodide nano-heterostructures for efficient photocatalysis. Journal of Materials Chemistry C, 2020, 8, 11263-11273.	2.7	19

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55	Simultaneous anti-fouling and flux-enhanced membrane distillation via incorporating graphene oxide on PTFE membrane for coking wastewater treatment. Applied Surface Science, 2020, 531, 147349.	3.1	39
56	Defensive responses of microalgal-bacterial granules to tetracycline in municipal wastewater treatment. Bioresource Technology, 2020, 312, 123605.	4.8	56
57	Natural adsorption of methylene blue by waste fallen leaves of Magnoliaceae and its repeated thermal regeneration for reuse. Journal of Cleaner Production, 2020, 267, 121903.	4.6	68
58	An innovative alkaline protease-based pretreatment approach for enhanced short-chain fatty acids production via a short-term anaerobic fermentation of waste activated sludge. Bioresource Technology, 2020, 312, 123397.	4.8	19
59	Ultrafast removal of radioactive strontium ions from contaminated water by nanostructured layered sodium vanadosilicate with high adsorption capacity and selectivity. Journal of Hazardous Materials, 2020, 398, 122907.	6.5	38
60	Trace determination of eleven natural estrogens and insights from their occurrence in a municipal wastewater treatment plant and river water. Water Research, 2020, 182, 115976.	5.3	40
61	State of the art of straw treatment technology: Challenges and solutions forward. Bioresource Technology, 2020, 313, 123656.	4.8	69
62	Mechanism of phosphate adsorption on superparamagnetic microparticles modified with transitional elements: Experimental observation and computational modelling. Chemosphere, 2020, 258, 127327.	4.2	11
63	Nanomaterials for radioactive wastewater decontamination. Environmental Science: Nano, 2020, 7, 1008-1040.	2.2	60
64	An environmentally sustainable approach for online chemical cleaning of MBR with activated peroxymonosulfate. Journal of Membrane Science, 2020, 600, 117872.	4.1	25
65	Bisphenol analogues in Chinese bottled water: Quantification and potential risk analysis. Science of the Total Environment, 2020, 713, 136583.	3.9	88
66	New insight into enhanced production of short-chain fatty acids from waste activated sludge by cation exchange resin-induced hydrolysis. Chemical Engineering Journal, 2020, 388, 124235.	6.6	92
67	A self-sustaining synergetic microalgal-bacterial granular sludge process towards energy-efficient and environmentally sustainable municipal wastewater treatment. Water Research, 2020, 179, 115884.	5.3	160
68	Food Waste to Biofertilizer: A Potential Game Changer of Global Circular Agricultural Economy. Journal of Agricultural and Food Chemistry, 2020, 68, 5021-5023.	2.4	30
69	Removal mechanisms of phosphorus in non-aerated microalgal-bacterial granular sludge process. Bioresource Technology, 2020, 312, 123531.	4.8	58
70	The role of transparent exopolymer particles (TEP) in membrane fouling: A critical review. Water Research, 2020, 181, 115930.	5.3	128
71	One step further to closed water loop: Reclamation of municipal wastewater to high-grade product water. Chinese Science Bulletin, 2020, 65, 1358-1367.	0.4	5
72	Biodiesel Production: Status and Perspectives. , 2019, , 503-522.		10

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73	Towards mainstream deammonification of municipal wastewater: Partial nitrification-anammox versus partial denitrification-anammox. Science of the Total Environment, 2019, 692, 393-401.	3.9	149
74	Insights into removal mechanisms of bisphenol A and its analogues in municipal wastewater treatment plants. Science of the Total Environment, 2019, 692, 107-116.	3.9	116
75	Technology feasibility and economic viability of an innovative integrated ceramic membrane bioreactor and reverse osmosis process for producing ultrapure water from municipal wastewater. Chemical Engineering Journal, 2019, 375, 122078.	6.6	30
76	Enhanced methane production from waste activated sludge by combining calcium peroxide with ultrasonic: Performance, mechanism, and implication. Bioresource Technology, 2019, 279, 108-116.	4.8	52
77	Halogenated organics generated during online chemical cleaning of MBR: An emerging threat to water supply and public health. Science of the Total Environment, 2019, 656, 547-549.	3.9	11
78	An innovative anaerobic MBR-reverse osmosis-ion exchange process for energy-efficient reclamation of municipal wastewater to NEWater-like product water. Journal of Cleaner Production, 2019, 230, 1287-1293.	4.6	64
79	Turning food waste to energy and resources towards a great environmental and economic sustainability: An innovative integrated biological approach. Biotechnology Advances, 2019, 37, 107414.	6.0	218
80	Environmental sustainability: a pressing challenge to biological sewage treatment processes. Current Opinion in Environmental Science and Health, 2019, 12, 1-5.	2.1	39
81	Bacterial community and eutrophic index analysis of the East Lake. Environmental Pollution, 2019, 252, 682-688.	3.7	40
82	Integrated upflow anaerobic fixed-bed and single-stage step-feed process for mainstream deammonification: A step further towards sustainable municipal wastewater reclamation. Science of the Total Environment, 2019, 678, 559-564.	3.9	25
83	Insights into microbial community profiles associated with electric energy production in microbial fuel cells fed with food waste hydrolysate. Science of the Total Environment, 2019, 670, 50-58.	3.9	30
84	Engineering feasibility, economic viability and environmental sustainability of energy recovery from nitrous oxide in biological wastewater treatment plant. Bioresource Technology, 2019, 282, 514-519.	4.8	78
85	Dynamics of microbial community and tetracycline resistance genes in biological nutrient removal process. Journal of Environmental Management, 2019, 238, 84-91.	3.8	33
86	Is anaerobic digestion a reliable barrier for deactivation of pathogens in biosludge?. Science of the Total Environment, 2019, 668, 893-902.	3.9	68
87	A novel variable pH control strategy for enhancing lipid production from food waste: Biodiesel versus docosahexaenoic acid. Energy Conversion and Management, 2019, 189, 60-66.	4.4	22
88	Bioactivities and formation/utilization of soluble microbial products (SMP) in the biological sulfate reduction under different conditions. Chemosphere, 2019, 221, 37-44.	4.2	26
89	Efficient nano-regional photocatalytic heterostructure design via the manipulation of reaction site self-quenching effect. Applied Catalysis B: Environmental, 2019, 243, 220-228.	10.8	19
90	Pretreatment of landfill leachate in near-neutral pH condition by persulfate activated Fe-C micro-electrolysis system. Chemosphere, 2019, 216, 749-756.	4.2	47

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91	NOB suppression in pilot-scale mainstream nitritation-denitritation system coupled with MBR for municipal wastewater treatment. Chemosphere, 2019, 216, 633-639.	4.2	32
92	Decontamination of radioactive wastewater: State of the art and challenges forward. Chemosphere, 2019, 215, 543-553.	4.2	141
93	Remediation of oil spill-contaminated sands by chemical-free microbubbles generated in tap and saline water. Journal of Hazardous Materials, 2019, 366, 124-129.	6.5	11
94	Advanced treatment of salty eutrophication water using algal-bacterial granular sludge: With focus on nitrogen removal, phosphorus removal, and lipid accumulation. BioResources, 2019, 14, 9518-9530.	0.5	7
95	Mainstream anammox in a novel A-2B process for energy-efficient municipal wastewater treatment with minimized sludge production. Water Research, 2018, 138, 1-6.	5.3	117
96	Monitoring local membrane fouling mitigation by fluidized GAC in lab-scale and pilot-scale AnFMBRs. Separation and Purification Technology, 2018, 199, 331-345.	3.9	14
97	Enhanced phenol removal in an innovative lignite activated coke-assisted biological process. Bioresource Technology, 2018, 260, 357-363.	4.8	21
98	Bioaccumulation of Persistent Halogenated Organic Pollutants in Insects: Common Alterations to the Pollutant Pattern for Different Insects during Metamorphosis. Environmental Science & Technology, 2018, 52, 5145-5153.	4.6	35
99	Effect of tetracycline on microbial community structure associated with enhanced biological N&P removal in sequencing batch reactor. Bioresource Technology, 2018, 256, 414-420.	4.8	55
100	Electric energy production from food waste: Microbial fuel cells versus anaerobic digestion. Bioresource Technology, 2018, 255, 281-287.	4.8	59
101	A novel single-stage process integrating simultaneous COD oxidation, partial nitritation-denitritation and anammox (SCONDA) for treating ammonia-rich organic wastewater. Bioresource Technology, 2018, 254, 50-55.	4.8	65
102	Full nitration-denitration versus partial nitration-denitration-anammox for treating high-strength ammonium-rich organic wastewater. Bioresource Technology, 2018, 261, 379-384.	4.8	32
103	Chemical cleaning-associated generation of dissolved organic matter and halogenated byproducts in ceramic MBR: Ozone versus hypochlorite. Water Research, 2018, 140, 243-250.	5.3	63
104	A comprehensive review on food waste anaerobic digestion: Research updates and tendencies. Bioresource Technology, 2018, 247, 1069-1076.	4.8	432
105	Fate of tetracycline in enhanced biological nutrient removal process. Chemosphere, 2018, 193, 998-1003.	4.2	60
106	Oxidative stress induced membrane biofouling and its implications to on-line chemical cleaning in MBR. Chemical Engineering Journal, 2018, 334, 1917-1926.	6.6	21
107	A novel strategy towards sustainable and stable nitritation-denitritation in an A-B process for mainstream municipal wastewater treatment. Chemosphere, 2018, 193, 921-927.	4.2	15
108	Comparative study of dissolved organic matter generated from activated sludge during exposure to hypochlorite, hydrogen peroxide, acid and alkaline: Implications for on-line chemical cleaning of MBR. Chemosphere, 2018, 193, 295-303.	4.2	26

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109	4-Chlorophenol Oxidation Depends on the Activation of an AraC-Type Transcriptional Regulator, CphR, in Rhodococcus sp. Strain YH-5B. Frontiers in Microbiology, 2018, 9, 2481.	1.5	5
110	Migration and potential risk of trace phthalates in bottled water: AÂglobal situation. Water Research, 2018, 147, 362-372.	5.3	134
111	Ceramic membrane fouling by dissolved organic matter generated during on-line chemical cleaning with ozone in MBR. Water Research, 2018, 146, 328-336.	5.3	31
112	Energy self-sufficient biological municipal wastewater reclamation: Present status, challenges and solutions forward. Bioresource Technology, 2018, 269, 513-519.	4.8	89
113	Evaluation of anaerobic digestion of food waste and waste activated sludge: Soluble COD versus its chemical composition. Science of the Total Environment, 2018, 643, 21-27.	3.9	82
114	Enhanced dewaterability of waste activated sludge with Fe(II)-activated hypochlorite treatment. Environmental Science and Pollution Research, 2018, 25, 27628-27638.	2.7	32
115	A novel integrated thiosulfate-driven denitritation (TDD) and anaerobic ammonia oxidation (anammox) process for biological nitrogen removal. Biochemical Engineering Journal, 2018, 139, 68-73.	1.8	17
116	Microbial lipid production from food waste saccharified liquid and the effects of compositions. Energy Conversion and Management, 2018, 172, 306-315.	4.4	32
117	Biodiesels from microbial oils: Opportunity and challenges. Bioresource Technology, 2018, 263, 631-641.	4.8	121
118	Intermolecular interactions of polysaccharides in membrane fouling during microfiltration. Water Research, 2018, 143, 38-46.	5.3	82
119	Using an Attapulgite-Activated Carbon Composite Ceramisite Biofilter to Remove Dibutyl Phthalate from Source Water. Polish Journal of Environmental Studies, 2018, 27, 897-903.	0.6	4
120	Effect of mechanical scouring by granular activated carbon (GAC) on membrane fouling mitigation. Desalination, 2017, 403, 80-87.	4.0	49
121	Transparent exopolymer particles (TEP)-associated membrane fouling at different Na+ concentrations. Water Research, 2017, 111, 52-58.	5.3	27
122	Fate of dissolved organic matter and byproducts generated from on-line chemical cleaning with sodium hypochlorite in MBR. Chemical Engineering Journal, 2017, 323, 233-242.	6.6	50
123	New insights into co-digestion of activated sludge and food waste: Biogas versus biofertilizer. Bioresource Technology, 2017, 241, 448-453.	4.8	80
124	Comparison and distribution of copper oxide nanoparticles and copper ions in activated sludge reactors. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 507-514.	0.9	7
125	An integrated AMBBR and IFAS-SBR process for municipal wastewater treatment towards enhanced energy recovery, reduced energy consumption and sludge production. Water Research, 2017, 110, 262-269.	5.3	61
126	A holistic approach for food waste management towards zero-solid disposal and energy/resource recovery. Bioresource Technology, 2017, 228, 56-61.	4.8	60

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127	Single-stage versus two-stage anaerobic fluidized bed bioreactors in treating municipal wastewater: Performance, foulant characteristics, and microbial community. Chemosphere, 2017, 171, 158-167.	4.2	54
128	Comparison of the effects and distribution of zinc oxide nanoparticles and zinc ions in activated sludge reactors. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1073-1081.	0.9	4
129	An integrated engineering system for maximizing bioenergy production from food waste. Applied Energy, 2017, 206, 83-89.	5.1	74
130	A novel A-B process for enhanced biological nutrient removal in municipal wastewater reclamation. Chemosphere, 2017, 189, 39-45.	4.2	25
131	Enhanced microbubbles assisted cleaning of diesel contaminated sand. Marine Pollution Bulletin, 2017, 124, 331-335.	2.3	19
132	Effect of fluidized granular activated carbon (GAC) on critical flux in the microfiltration of particulate foulants. Journal of Membrane Science, 2017, 523, 409-417.	4.1	26
133	Characterization of soluble microbial products (SMPs) in a membrane bioreactor (MBR) treating synthetic wastewater containing pharmaceutical compounds. Water Research, 2016, 102, 594-606.	5.3	81
134	Effect of crude glycerol impurities on lipid preparation by Rhodosporidium toruloides yeast 32489. Bioresource Technology, 2016, 218, 373-379.	4.8	76
135	Phytoextraction, phytotransformation and rhizodegradation of ibuprofen associated with Typha angustifolia in a horizontal subsurface flow constructed wetland. Water Research, 2016, 102, 294-304.	5.3	61
136	Simultaneous nitrification, denitrification and phosphorus removal (SNDPR) in a full-scale water reclamation plant located in warm climate. Water Science and Technology, 2016, 74, 448-456.	1.2	23
137	Enhanced membrane biofouling potential by on-line chemical cleaning in membrane bioreactor. Journal of Membrane Science, 2016, 511, 84-91.	4.1	77
138	Enzymatic pretreatment of activated sludge, food waste and their mixture for enhanced bioenergy recovery and waste volume reduction via anaerobic digestion. Applied Energy, 2016, 179, 1131-1137.	5.1	157
139	Generation of dissolved organic matter and byproducts from activated sludge during contact with sodium hypochlorite and its implications to on-line chemical cleaning in MBR. Water Research, 2016, 104, 44-52.	5.3	72
140	Numerical simulation of plain concrete specimens with micromechanical model and simple lattice model. Magazine of Concrete Research, 2016, 68, 971-980.	0.9	1
141	State of the art of biological processes for coal gasification wastewater treatment. Biotechnology Advances, 2016, 34, 1064-1072.	6.0	103
142	Remediation of oil-contaminated sand with self-collapsing air microbubbles. Environmental Science and Pollution Research, 2016, 23, 23876-23883.	2.7	29
143	COD capture: a feasible option towards energy self-sufficient domestic wastewater treatment. Scientific Reports, 2016, 6, 25054.	1.6	148
144	New insights into transparent exopolymer particles (TEP) formation from precursor materials at various Na+/Ca2+ ratios. Scientific Reports, 2016, 6, 19747.	1.6	29

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145	Characterization of microbial communities in wetland mesocosms receiving caffeine-enriched wastewater. Environmental Science and Pollution Research, 2016, 23, 14526-14539.	2.7	13
146	High-throughput pyrosequencing analysis of bacteria relevant to cometabolic and metabolic degradation of ibuprofen in horizontal subsurface flow constructed wetlands. Science of the Total Environment, 2016, 562, 604-613.	3.9	52
147	Advanced treatment of biologically treated coking wastewater by membrane distillation coupled with pre-coagulation. Desalination, 2016, 380, 43-51.	4.0	85
148	Characterizing the scouring efficiency of Granular Activated Carbon (GAC) particles in membrane fouling mitigation via wavelet decomposition of accelerometer signals. Journal of Membrane Science, 2016, 498, 105-115.	4.1	43
149	Correlating the hydrodynamics of fluidized granular activated carbon (GAC) with membrane-fouling mitigation. Journal of Membrane Science, 2016, 510, 38-49.	4.1	45
150	Characterization of bacterial communities in wetland mesocosms receiving pharmaceutical-enriched wastewater. Ecological Engineering, 2016, 90, 215-224.	1.6	34
151	Free nitrous acid inhibition on carbon storage microorganisms: Accumulated inhibitory effects and recoverability. Chemical Engineering Journal, 2016, 287, 285-291.	6.6	16
152	Ibuprofen removal in horizontal subsurface flow constructed wetlands: treatment performance and fungal community dynamics. Environmental Technology (United Kingdom), 2016, 37, 1467-1479.	1.2	7
153	Enhanced performance of submerged hollow fibre microfiltration by fluidized granular activated carbon. Journal of Membrane Science, 2016, 499, 47-55.	4.1	33
154	Role and significance of extracellular polymeric substances from granular sludge for simultaneous removal of organic matter and ammonia nitrogen. Bioresource Technology, 2015, 179, 460-466.	4.8	87
155	The challenges of mainstream deammonification process for municipal used water treatment. Applied Microbiology and Biotechnology, 2015, 99, 2485-2490.	1.7	158
156	Enhancing the hydrolysis and methane production potential of mixed food waste by an effective enzymatic pretreatment. Bioresource Technology, 2015, 183, 47-52.	4.8	109
157	A brief review on possible approaches towards controlling sulfate-reducing bacteria (SRB) in wastewater treatment systems. Desalination and Water Treatment, 2015, 53, 2799-2807.	1.0	23
158	Treatment of high salinity brines by direct contact membrane distillation: Effect of membrane characteristics and salinity. Chemosphere, 2015, 140, 143-149.	4.2	67
159	Ultrafiltration behaviors of alginate blocks at various calcium concentrations. Water Research, 2015, 83, 248-257.	5.3	76
160	Wastewater-Energy Nexus. Chemosphere, 2015, 140, 1.	4.2	3
161	Bioethanol production from mixed food waste by an effective enzymatic pretreatment. Fuel, 2015, 159, 463-469.	3.4	114
162	Application of constructed wetlands for wastewater treatment in tropical and subtropical regions (2000â€“2013). Journal of Environmental Sciences, 2015, 30, 30-46.	3.2	110

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163	Remediation technologies for oil-contaminated sediments. Marine Pollution Bulletin, 2015, 101, 483-490.	2.3	77
164	N2O accumulation from denitrification under different temperatures. Applied Microbiology and Biotechnology, 2015, 99, 9215-9226.	1.7	27
165	Molecular mechanisms governing aerobic granular sludge processes. Water Practice and Technology, 2015, 10, 277-281.	1.0	1
166	Sample-preparation methods for direct and indirect analysis of natural estrogens. TrAC - Trends in Analytical Chemistry, 2015, 64, 149-164.	5.8	39
167	Platform chemical production from food wastes using a biorefinery concept. Journal of Chemical Technology and Biotechnology, 2015, 90, 1364-1379.	1.6	76
168	Membrane Distillation Bioreactor (MDBR) â€“ A lower Green-House-Gas (GHG) option for industrial wastewater reclamation. Chemosphere, 2015, 140, 129-142.	4.2	48
169	Phytotoxicity and bioaccumulation of ZnO nanoparticles in Schoenoplectus tabernaemontani. Chemosphere, 2015, 120, 211-219.	4.2	70
170	Renewable Energy Derived from Food Waste and Co-digestion of Food Waste with Waste-Activated Sludge. , 2015, , 257-278.		0
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