

Mark van Loosdrecht

List of Publications by Year in descending order

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Version: 2024-02-01

934
papers

82,490
citations

219

146
h-index

1027

235
g-index

971
all docs

971
docs citations

971
times ranked

30168
citing authors

#	ARTICLE	IF	CITATIONS
1	Density measurements of aerobic granular sludge. Environmental Technology (United Kingdom), 2023, 44, 1985-1995.	2.2	10
2	Biological removal processes in aerobic granular sludge exposed to diclofenac. Environmental Technology (United Kingdom), 2022, 43, 3295-3308.	2.2	2
3	A general approach to explore prokaryotic protein glycosylation reveals the unique surface layer modulation of an anammox bacterium. ISME Journal, 2022, 16, 346-357.	9.8	8
4	Insight on how biopolymers recovered from aerobic granular wastewater sludge can reduce the flammability of synthetic polymers. Science of the Total Environment, 2022, 805, 150434.	8.0	9
5	Short and long term continuous hydroxylamine feeding in a granular sludge partial nitrification reactor. Water Research, 2022, 209, 117945.	11.3	1
6	Pilot-scale magnetic recovery of vivianite from digested sewage sludge. Water Research, 2022, 212, 118131.	11.3	36
7	Intensifying existing urban wastewater. Science, 2022, 375, 377-378.	12.6	66
8	Physiology of anammox adaptation to low temperatures and promising biomarkers: A review. Bioresource Technology, 2022, 349, 126847.	9.6	25
9	From wastewater to resource. One Earth, 2022, 5, 122-125.	6.8	12
10	Ionic strength of the liquid phase of different sludge streams in a wastewater treatment plant. Water Science and Technology, 2022, 85, 1920-1935.	2.5	6
11	Engineering an acetoacetyl-CoA reductase from Cupriavidus necator toward NADH preference under physiological conditions. Scientific Reports, 2022, 12, 3757.	3.3	6
12	Vivianite precipitation for iron recovery from anaerobic groundwater. Water Research, 2022, 217, 118345.	11.3	9
13	Modelling of methane production and emissions. , 2022, , 197-212.		0
14	On the mechanisms for aerobic granulation - model based evaluation. Water Research, 2022, 216, 118365.	11.3	23
15	Efficient formation of vivianite without anaerobic digester: Study in excess activated sludge. Journal of Environmental Chemical Engineering, 2022, 10, 107473.	6.7	9
16	Controlling factors and involved mechanisms on forming alginate like extracellular polymers in flocculent sludge. Chemical Engineering Journal, 2022, 439, 135792.	12.7	13
17	Effect of temperature on the compositions of ladderane lipids in globally surveyed anammox populations. Science of the Total Environment, 2022, 830, 154715.	8.0	7
18	Sulfated glycosaminoglycan-like polymers are present in an acidophilic biofilm from a sulfidic cave. Science of the Total Environment, 2022, 829, 154472.	8.0	12

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19	Catabolism of sialic acids in an environmental microbial community. FEMS Microbiology Ecology, 2022, 98, .	2.7	5
20	Enhancing extraction of alginate like extracellular polymers (ALE) from flocculent sludge by surfactants. Science of the Total Environment, 2022, 837, 155673.	8.0	3
21	Metagenomic profiling and transfer dynamics of antibiotic resistance determinants in a full-scale granular sludge wastewater treatment plant. Water Research, 2022, 219, 118571.	11.3	34
22	Making Waves: A sea change in treating wastewater – Why thermodynamics supports resource recovery and recycling. Water Research, 2022, 218, 118516.	11.3	15
23	On anammox activity at low temperature: Effect of ladderane composition and process conditions. Chemical Engineering Journal, 2022, 445, 136712.	12.7	12
24	Impact of primary sedimentation on granulation and treatment performance of municipal wastewater by aerobic granular sludge process. Journal of Environmental Management, 2022, 315, 115191.	7.8	8
25	Application of data reconciliation to a dynamically operated wastewater treatment process with off-gas measurements. Environmental Science: Water Research and Technology, 2022, 8, 2114-2125.	2.4	1
26	Sustainability tensions and opportunities for aviation biofuel production in Brazil. , 2022, , 237-262.		1
27	Quantification of polyhydroxyalkanoate accumulated in waste activated sludge. Water Research, 2022, 221, 118795.	11.3	14
28	Diffusion of soluble organic substrates in aerobic granular sludge: Effect of molecular weight. Water Research X, 2022, 16, 100148.	6.1	3
29	Creating coagulants through the combined use of ash and brine. Science of the Total Environment, 2022, 845, 157344.	8.0	6
30	Free-floating extracellular DNA: Systematic profiling of mobile genetic elements and antibiotic resistance from wastewater. Water Research, 2021, 189, 116592.	11.3	67
31	Simultaneous biodegradability enhancement and high-efficient nitrogen removal in an innovative single stage anaerobic/anoxic/aerobic hybrid airlift bioreactor (HALBR) for composting leachate treatment: Process modeling and optimization. Chemical Engineering Journal, 2021, 407, 127019.	12.7	19
32	Nanocellulose recovery from domestic wastewater. Journal of Cleaner Production, 2021, 280, 124507.	9.3	23
33	Ammonia removal from thermal hydrolysis dewatering liquors via three different deammonification technologies. Science of the Total Environment, 2021, 755, 142684.	8.0	19
34	Enhanced Methane Recovery from Waste-Activated Sludge by Alginate-Degrading Consortia: The Overlooked Role of Alginate in Extracellular Polymeric Substances. Environmental Science and Technology Letters, 2021, 8, 86-91.	8.7	17
35	Annual dynamics of antimicrobials and resistance determinants in flocculent and aerobic granular sludge treatment systems. Water Research, 2021, 190, 116752.	11.3	35
36	Dynamic impact of cellulose and readily biodegradable substrate on oxygen transfer efficiency in sequencing batch reactors. Water Research, 2021, 190, 116724.	11.3	14

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37	A hydrophilic and antifouling nanofiltration membrane modified by citric acid functionalized tannic acid (CA-f-TA) nanocomposite for dye removal from biologically treated baker's yeast wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104963.	6.7	36
38	Hydroxylamine and the nitrogen cycle: A review. <i>Water Research</i> , 2021, 190, 116723.	11.3	108
39	How to measure diffusion coefficients in biofilms: A critical analysis. <i>Biotechnology and Bioengineering</i> , 2021, 118, 1273-1285.	3.3	18
40	An NADH preferring acetoacetyl-CoA reductase is engaged in poly-3-hydroxybutyrate accumulation in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2021, 325, 207-216.	3.8	9
41	Relieving the inhibition of humic acid on anaerobic digestion of excess sludge by metal ions. <i>Water Research</i> , 2021, 188, 116541.	11.3	52
42	Trehalose as an osmolyte in <i>Candidatus Accumulibacter phosphatis</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 379-388.	3.6	2
43	Evaluation of a Full-Scale Suspended Sludge Deammonification Technology Coupled with an Hydrocyclone to Treat Thermal Hydrolysis Dewatering Liquors. <i>Processes</i> , 2021, 9, 278.	2.8	9
44	Cost of fouling in full-scale reverse osmosis and nanofiltration installations in the Netherlands. <i>Desalination</i> , 2021, 500, 114865.	8.2	90
45	Exploration and verification of the feasibility of sulfide-driven partial denitrification coupled with anammox for wastewater treatment. <i>Water Research</i> , 2021, 193, 116905.	11.3	65
46	<scp>OSiD</scp>: opening the conceptual design of biobased processes to a context-sensitive sustainability analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 961-972.	3.7	4
47	Simultaneous nitrification and phosphate removal by bioaugmented aerobic granules treating a fluoroorganic compound. <i>Water Science and Technology</i> , 2021, 83, 2404-2413.	2.5	0
48	Biodegradation of organophosphorus pesticides in moving bed biofilm reactors: Analysis of microbial community and biodegradation pathways. <i>Journal of Hazardous Materials</i> , 2021, 408, 124950.	12.4	36
49	Increased extracellular polymeric substances production contributes for the robustness of aerobic granular sludge during long-term intermittent exposure to 2-fluorophenol in saline wastewater. <i>Journal of Water Process Engineering</i> , 2021, 40, 101977.	5.6	18
50	Production of nonulosonic acids in the extracellular polymeric substances of <i>Candidatus Accumulibacter phosphatis</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3327-3338.	3.6	14
51	Formation and ripening of alginate-like exopolymer gel layers during and after membrane filtration. <i>Water Research</i> , 2021, 195, 116959.	11.3	10
52	Assessment of the Impact of Temperature on Biofilm Composition with a Laboratory Heat Exchanger Module. <i>Microorganisms</i> , 2021, 9, 1185.	3.6	9
53	Unravelling the removal mechanisms of bacterial and viral surrogates in aerobic granular sludge systems. <i>Water Research</i> , 2021, 195, 116992.	11.3	8
54	â€˜Blue Routeâ€™™ for combating climate change. <i>National Science Review</i> , 2021, 8, nwab099.	9.5	2

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55	Scaling-up microbial community-based polyhydroxyalkanoate production: status and challenges. <i>Bioresource Technology</i> , 2021, 327, 124790.	9.6	60
56	Database-independent de novo metaproteomics of complex microbial communities. <i>Cell Systems</i> , 2021, 12, 375-383.e5.	6.2	35
57	Role of air scouring in anaerobic/anoxic tanks providing nitrogen removal by mainstream anammox conversion in a hybrid biofilm/suspended growth full-scale WWTP in China. <i>Water Environment Research</i> , 2021, 93, 2198-2209.	2.7	8
58	Nitrous oxide emission from full-scale municipal aerobic granular sludge. <i>Water Research</i> , 2021, 198, 117159.	11.3	21
59	Efficient cooling tower operation at alkaline pH for the control of <i>Legionella pneumophila</i> and other pathogenic genera. <i>Water Research</i> , 2021, 197, 117047.	11.3	5
60	Vivianite scaling in wastewater treatment plants: Occurrence, formation mechanisms and mitigation solutions. <i>Water Research</i> , 2021, 197, 117045.	11.3	23
61	A new anti-fouling polysulphone nanofiltration membrane blended by amine-functionalized MCM-41 for post treating waste stabilization pond's effluent. <i>Journal of Environmental Management</i> , 2021, 290, 112649.	7.8	22
62	Upgrading residues from wastewater and drinking water treatment plants as low-cost adsorbents to remove extracellular DNA and microorganisms carrying antibiotic resistance genes from treated effluents. <i>Science of the Total Environment</i> , 2021, 778, 146364.	8.0	28
63	Recovered granular sludge extracellular polymeric substances as carrier for bioaugmentation of granular sludge reactor. <i>Chemosphere</i> , 2021, 275, 130037.	8.2	6
64	Temperature and Nutrient Limitations Decrease Transfer of Conjugative IncP-1 Plasmid pJK5 to Wild <i>Escherichia coli</i> Strains. <i>Frontiers in Microbiology</i> , 2021, 12, 656250.	3.5	20
65	An omics-based framework for assessing the health risk of antimicrobial resistance genes. <i>Nature Communications</i> , 2021, 12, 4765.	12.8	248
66	Natural deep eutectic solvents as biofilm structural breakers. <i>Water Research</i> , 2021, 201, 117323.	11.3	20
67	Elemental sulfur as electron donor and/or acceptor: Mechanisms, applications and perspectives for biological water and wastewater treatment. <i>Water Research</i> , 2021, 202, 117373.	11.3	80
68	Potential of off-gas analyses for sequentially operated reactors demonstrated on full-scale aerobic granular sludge technology. <i>Science of the Total Environment</i> , 2021, 787, 147651.	8.0	10
69	Highly Selective Fermentation of Waste-Activated Sludge by Alginate-Degrading Consortia. <i>ACS ES&T Engineering</i> , 2021, 1, 1606-1617.	7.6	10
70	Un-aerated feeding alters the fate of dissolved methane during aerobic wastewater treatment. <i>Water Research</i> , 2021, 204, 117619.	11.3	3
71	Recovery of extracellular biopolymers from conventional activated sludge: Potential, characteristics and limitation. <i>Water Research</i> , 2021, 205, 117706.	11.3	42
72	Simultaneous nitrification and denitrification in microbial community-based polyhydroxyalkanoate production. <i>Bioresource Technology</i> , 2021, 337, 125420.	9.6	8

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73	Periodic chemical cleaning with urea: disintegration of biofilms and reduction of key biofilm-forming bacteria from reverse osmosis membranes. <i>Water Research X</i> , 2021, 13, 100117.	6.1	8
74	A techno-economic analysis of membrane-based advanced treatment processes for the reuse of municipal wastewater. <i>Journal of Water Reuse and Desalination</i> , 2021, 11, 705-725.	2.3	9
75	Rheological characterisation of alginate-like exopolymer gels crosslinked with calcium. <i>Water Research</i> , 2021, 207, 117835.	11.3	4
76	Identification of Extracellular Key Enzyme and Intracellular Metabolic Pathway in Alginate-Degrading Consortia via an Integrated Metaproteomic/Metagenomic Analysis. <i>Environmental Science & Technology</i> , 2021, 55, 16636-16645.	10.0	15
77	Strength characterization of full-scale aerobic granular sludge. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1896-1911.	2.2	19
78	Elucidating performance failures in use of granular sludge for nutrient removal from domestic wastewater in a warm coastal climate region. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1896-1911.	2.2	22
79	Biogenic iron oxides for phosphate removal. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 260-266.	2.2	15
80	Sustainable disposal of excess sludge: Incineration without anaerobic digestion. <i>Water Research</i> , 2020, 170, 115298.	11.3	111
81	Aerobic granular sludge contains Hyaluronic acid-like and sulfated glycosaminoglycans-like polymers. <i>Water Research</i> , 2020, 169, 115291.	11.3	58
82	Stress-induced assays for polyphosphate quantification by uncoupling acetic acid uptake and anaerobic phosphorus release. <i>Water Research</i> , 2020, 169, 115228.	11.3	24
83	Sulfide induced phosphate release from iron phosphates and its potential for phosphate recovery. <i>Water Research</i> , 2020, 171, 115389.	11.3	42
84	Impact of metal ions on structural EPS hydrogels from aerobic granular sludge. <i>Biofilm</i> , 2020, 2, 100011.	3.8	35
85	Flame retardant property of flax fabrics coated by extracellular polymeric substances recovered from both activated sludge and aerobic granular sludge. <i>Water Research</i> , 2020, 170, 115344.	11.3	70
86	Removal of bacterial and viral indicator organisms in full-scale aerobic granular sludge and conventional activated sludge systems. <i>Water Research X</i> , 2020, 6, 100040.	6.1	33
87	Impact of aerobic availability of readily biodegradable COD on morphological stability of aerobic granular sludge. <i>Water Research</i> , 2020, 187, 116402.	11.3	34
88	Genomic analysis of <i>Caldalkalibacillus thermarum</i> TA2.A1 reveals aerobic alkaliphilic metabolism and evolutionary hallmarks linking alkaliphilic bacteria and plant life. <i>Extremophiles</i> , 2020, 24, 923-935.	2.3	10
89	A settling model for full-scale aerobic granular sludge. <i>Water Research</i> , 2020, 186, 116135.	11.3	41
90	The role of the external mass transfer resistance in nitrite oxidizing bacteria repression in biofilm-based partial nitrification/anammox reactors. <i>Water Research</i> , 2020, 186, 116348.	11.3	31

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91	Hydroxylamine metabolism of <i>Ca. Kuenenia stuttgartiensis</i> . <i>Water Research</i> , 2020, 184, 116188.	11.3	18
92	Heterogeneous diffusion in aerobic granular sludge. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3809-3819.	3.3	19
93	Biotechnology for Gas-to-Liquid (GTL) Wastewater Treatment: A Review. <i>Water (Switzerland)</i> , 2020, 12, 2126.	2.7	8
94	Revealing the Metabolic Flexibility of <i>Candidatus Accumulibacter phosphatis</i> through Redox Cofactor Analysis and Metabolic Network Modeling. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	24
95	Effect of phosphate availability on biofilm formation in cooling towers. <i>Biofouling</i> , 2020, 36, 800-815.	2.2	9
96	Ammonia removal from mixed dewatering liquors by three different deammonification technologies. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3440-3450.	2.4	1
97	Identification and role of microbial species developed in aerobic granular sludge bioreactor for livestock wastewater treatment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 479, 012026.	0.3	1
98	Sialic Acids: An Important Family of Carbohydrates Overlooked in Environmental Biofilms. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7694.	2.5	7
99	β -cyclodextrin functionalized MWCNTs as a promising antifouling agent in fabrication of composite nanofiltration membranes. <i>Separation and Purification Technology</i> , 2020, 247, 116979.	7.9	30
100	The SPPD-WRF Framework: A Novel and Holistic Methodology for Strategical Planning and Process Design of Water Resource Factories. <i>Sustainability</i> , 2020, 12, 4168.	3.2	17
101	A comparison between chemical cleaning efficiency in lab-scale and full-scale reverse osmosis membranes: Role of extracellular polymeric substances (EPS). <i>Journal of Membrane Science</i> , 2020, 609, 118189.	8.2	26
102	<i>Escherichia coli</i> metabolism under short-term repetitive substrate dynamics: adaptation and trade-offs. <i>Microbial Cell Factories</i> , 2020, 19, 116.	4.0	15
103	Variability in the composition of extracellular polymeric substances from a full-scale aerobic granular sludge reactor treating urban wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104156.	6.7	29
104	The potential and current status of earthen material for low-cost housing in rural India. <i>Construction and Building Materials</i> , 2020, 247, 118615.	7.2	58
105	Stable granulation of seawater-adapted aerobic granular sludge with filamentous <i>Thiothrix</i> bacteria. <i>Water Research</i> , 2020, 175, 115683.	11.3	59
106	Effect of the co-treatment of synthetic faecal sludge and wastewater in an aerobic granular sludge system. <i>Science of the Total Environment</i> , 2020, 741, 140480.	8.0	11
107	Exploring resource recovery potentials for the aerobic granular sludge process by mass and energy balances – energy, biopolymer and phosphorous recovery from municipal wastewater. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2164-2179.	2.4	18
108	Selecting for lactic acid producing and utilising bacteria in anaerobic enrichment cultures. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1281-1293.	3.3	45

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109	Extracellular protein isolation from the matrix of anammox biofilm using ionic liquid extraction. Applied Microbiology and Biotechnology, 2020, 104, 3643-3654.	3.6	13
110	“Candidatus Galacturonibacter soehngenii” Shows Acetogenic Catabolism of Galacturonic Acid but Lacks a Canonical Carbon Monoxide Dehydrogenase/Acetyl-CoA Synthase Complex. Frontiers in Microbiology, 2020, 11, 63.	3.5	6
111	Tackling the chemical diversity of microbial nonulosonic acids “ a universal large-scale survey approach. Chemical Science, 2020, 11, 3074-3080.	7.4	21
112	Biological phosphorus removal in seawater-adapted aerobic granular sludge. Water Research, 2020, 172, 115531.	11.3	36
113	The bottlenecks and causes, and potential solutions for municipal sewage treatment in China. Water Practice and Technology, 2020, 15, 160-169.	2.0	29
114	A critical review of resource recovery from municipal wastewater treatment plants “ market supply potentials, technologies and bottlenecks. Environmental Science: Water Research and Technology, 2020, 6, 877-910.	2.4	228
115	Bacterial community dynamics and disinfection impact in cooling water systems. Water Research, 2020, 172, 115505.	11.3	34
116	Decorating the Anammox House: Sialic Acids and Sulfated Glycosaminoglycans in the Extracellular Polymeric Substances of Anammox Granular Sludge. Environmental Science & Technology, 2020, 54, 5218-5226.	10.0	45
117	Anticipating Xenogenic Pollution at the Source: Impact of Sterilizations on DNA Release From Microbial Cultures. Frontiers in Bioengineering and Biotechnology, 2020, 8, 171.	4.1	11
118	Waste or Gold? Bioelectrochemical Resource Recovery in Source-Separated Urine. Trends in Biotechnology, 2020, 38, 990-1006.	9.3	35
119	When and why do gradients of the gas phase composition and pressure affect liquid-gas transfer?. Water Research, 2020, 178, 115844.	11.3	14
120	Isolation and Identification of Organics-Degrading Bacteria From Gas-to-Liquid Process Water. Frontiers in Bioengineering and Biotechnology, 2020, 8, 603305.	4.1	8
121	Microbial Identification and Extracellular Polymeric Substances Characterization of Aerobic Granules Developed in Treating Rubber Processing Wastewater. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 257-286.	0.5	3
122	Full-scale increased iron dosage to stimulate the formation of vivianite and its recovery from digested sewage sludge. Water Research, 2020, 182, 115911.	11.3	68
123	Treatment of sidestream dewatering liquors from thermally hydrolysed and anaerobically digested biosolids. Water Practice and Technology, 2020, 15, 142-150.	2.0	10
124	NADH-driven poly-3-hydroxybutyrate accumulation in Escherichia coli: Data from enzymatic assays and oxygen-limited continuous cultures. Data in Brief, 2020, 33, 106588.	1.0	2
125	Granulation and Biodegradation by Microbial Species in Granular Sequencing Batch Reactor for Soy Sauce Wastewater Treatment. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 287-308.	0.5	3
126	Effect of Iron on Phosphate Recovery from Sewage Sludge. , 2019, , 303-326.		8

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127	Solubilization and characterization of extracellular proteins from anammox granular sludge. Water Research, 2019, 164, 114952.	11.3	70
128	The impact of mixtures of xylose and glucose on the microbial diversity and fermentative metabolism of sequencing-batch or continuous enrichment cultures. FEMS Microbiology Ecology, 2019, 95, .	2.7	5
129	Recovery of high-value and scarce resources from biological wastewater treatment: Sulfated polysaccharides. Water Research, 2019, 163, 114889.	11.3	36
130	Coupling of sulfur(thiosulfate)-driven denitrification and anammox process to treat nitrate and ammonium contained wastewater. Water Research, 2019, 163, 114854.	11.3	68
131	New Training to Meet the Global Phosphorus Challenge. Environmental Science & Technology, 2019, 53, 8479-8481.	10.0	29
132	Synergetic alginate conversion by a microbial consortium of hydrolytic bacteria and methanogens. Water Research, 2019, 163, 114892.	11.3	36
133	The full energy cost of avoiding CO ₂ : A clean-energy booking provision for a vigorous energy transition. Journal of Cleaner Production, 2019, 237, 117820.	9.3	5
134	Long term performance and dynamics of microbial biofilm communities performing sulfur-oxidizing autotrophic denitrification in a moving-bed biofilm reactor. Water Research, 2019, 166, 115038.	11.3	49
135	Dynamic simulation of N ₂ O emissions from a full-scale partial nitrification reactor. Biochemical Engineering Journal, 2019, 152, 107356.	3.6	12
136	Pilot-Scale Assessment of Urea as a Chemical Cleaning Agent for Biofouling Control in Spiral-Wound Reverse Osmosis Membrane Elements. Membranes, 2019, 9, 117.	3.0	11
137	Electrochemical pretreatment for stabilization of waste activated sludge: Simultaneously enhancing dewaterability, inactivating pathogens and mitigating hydrogen sulfide. Water Research, 2019, 166, 115035.	11.3	57
138	Dynamics of humic substance composition during anaerobic digestion of excess activated sludge. International Biodeterioration and Biodegradation, 2019, 145, 104771.	3.9	32
139	The leakage of sewer systems and the impact on the "black and odorous water bodies" and WWTPs in China. Water Science and Technology, 2019, 79, 334-341.	2.5	37
140	Environmental impacts of resource recovery from wastewater treatment plants. Water Research, 2019, 160, 268-277.	11.3	112
141	Adaptation of semi-continuous anaerobic sludge digestion to humic acids. Water Research, 2019, 161, 329-334.	11.3	47
142	Metabolism of sucrose in a non-fermentative Escherichia coli under oxygen limitation. Applied Microbiology and Biotechnology, 2019, 103, 6245-6256.	3.6	6
143	Determinants of presence and removal of antibiotic resistance genes during WWTP treatment: A cross-sectional study. Water Research, 2019, 161, 319-328.	11.3	131
144	"Candidatus Accumulibacter delftensis": A clade IC novel polyphosphate-accumulating organism without denitrifying activity on nitrate. Water Research, 2019, 161, 136-151.	11.3	74

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145	Energy recovery from wastewater: Heat over organics. <i>Water Research</i> , 2019, 161, 74-77.	11.3	124
146	Importance of Species Sorting and Immigration on the Bacterial Assembly of Different-Sized Aggregates in a Full-Scale Aerobic Granular Sludge Plant. <i>Environmental Science & Technology</i> , 2019, 53, 8291-8301.	10.0	93
147	Magnetic separation and characterization of vivianite from digested sewage sludge. <i>Separation and Purification Technology</i> , 2019, 224, 564-579.	7.9	71
148	NanoSIMS reveals unusual enrichment of acetate and propionate by an anammox consortium dominated by <i>Jettenia asiatica</i> . <i>Water Research</i> , 2019, 159, 223-232.	11.3	37
149	A Case Study on Technical and Social Aspects of Earth Houses in Rural India. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2019, , 105-115.	0.4	3
150	Fe(III) reduction and vivianite formation in activated sludge. <i>Separation and Purification Technology</i> , 2019, 220, 126-135.	7.9	47
151	Adsorption as a technology to achieve ultra-low concentrations of phosphate: Research gaps and economic analysis. <i>Water Research X</i> , 2019, 4, 100029.	6.1	210
152	Chemical characterization methods for the analysis of structural extracellular polymeric substances (EPS). <i>Water Research</i> , 2019, 157, 201-208.	11.3	192
153	Biofilm compressibility in ultrafiltration: A relation between biofilm morphology, mechanics and hydraulic resistance. <i>Water Research</i> , 2019, 157, 335-345.	11.3	30
154	Effect of Lactate on the Microbial Community and Process Performance of an EBPR System. <i>Frontiers in Microbiology</i> , 2019, 10, 125.	3.5	24
155	Resource recovery and wastewater treatment modelling. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 631-642.	2.4	57
156	Reply to "Evolutionary placement of <i>Methanonatronarchaeia</i> ". <i>Nature Microbiology</i> , 2019, 4, 560-561.	13.3	7
157	Sialic acids in the extracellular polymeric substances of seawater-adapted aerobic granular sludge. <i>Water Research</i> , 2019, 155, 343-351.	11.3	41
158	Denitrification as an N ₂ O sink. <i>Water Research</i> , 2019, 151, 381-387.	11.3	101
159	Effect of humic acids on batch anaerobic digestion of excess sludge. <i>Water Research</i> , 2019, 155, 431-443.	11.3	149
160	Microplastics in wastewater treatment plants: Detection, occurrence and removal. <i>Water Research</i> , 2019, 152, 21-37.	11.3	1,069
161	Recent advances in dissimilatory sulfate reduction: From metabolic study to application. <i>Water Research</i> , 2019, 150, 162-181.	11.3	115
162	Modelling anaerobic, aerobic and partial nitrification-anammox granular sludge reactors - A review. <i>Water Research</i> , 2019, 149, 322-341.	11.3	90

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163	Role of feed water biodegradable substrate concentration on biofouling: Biofilm characteristics, membrane performance and cleanability. <i>Water Research</i> , 2019, 150, 1-11.	11.3	22
164	Stratification of nitrifier guilds in granular sludge in relation to nitrification. <i>Water Research</i> , 2019, 148, 479-491.	11.3	28
165	The future of WRRF modelling – outlook and challenges. <i>Water Science and Technology</i> , 2019, 79, 3-14.	2.5	31
166	Diversity and metabolism of xylose and glucose fermenting microbial communities in sequencing batch or continuous culturing. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	23
167	Extracellular polymeric substances of biofilms: Suffering from an identity crisis. <i>Water Research</i> , 2019, 151, 1-7.	11.3	228
168	Effect of pore size distribution and particle size of porous metal oxides on phosphate adsorption capacity and kinetics. <i>Chemical Engineering Journal</i> , 2019, 358, 160-169.	12.7	184
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