

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202 papers	5,859 citations	36 h-index	70 g-index
215 ext. papers	7,983 ext. citations	6.9 avg, IF	6.4 L-index

#	Paper	IF	Citations
202	Machinery health prognostics: A systematic review from data acquisition to RUL prediction. <i>Mechanical Systems and Signal Processing</i> , 2018 , 104, 799-834	7.8	758
201	A recurrent neural network based health indicator for remaining useful life prediction of bearings. <i>Neurocomputing</i> , 2017 , 240, 98-109	5.4	517
200	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7316-7325	8.9	418
199	A neural network constructed by deep learning technique and its application to intelligent fault diagnosis of machines. <i>Neurocomputing</i> , 2018 , 272, 619-628	5.4	273
198	Impacts of sterilization, microwave and ultrasonication pretreatment on hydrogen producing using waste sludge. <i>Bioresource Technology</i> , 2008 , 99, 3651-8	11	182
197	Adsorption characteristics of Cu and Zn onto various size fractions of aggregates from red paddy soil. <i>Journal of Hazardous Materials</i> , 2014 , 264, 176-83	12.8	140
196	Effect of salinity on extracellular polymeric substances of activated sludge from an anoxic-aerobic sequencing batch reactor. <i>Chemosphere</i> , 2013 , 93, 2789-95	8.4	119
195	Machinery health indicator construction based on convolutional neural networks considering trend burr. <i>Neurocomputing</i> , 2018 , 292, 142-150	5.4	115
194	The effect of aeration rate on forced-aeration composting of chicken manure and sawdust. <i>Bioresource Technology</i> , 2010 , 101, 1899-903	11	115
193	Three-dimensional fluorescence excitation-emission matrix (EEM) spectroscopy with regional integration analysis for assessing waste sludge hydrolysis treated with multi-enzyme and thermophilic bacteria. <i>Bioresource Technology</i> , 2014 , 171, 22-8	11	97
192	Enhanced aerobic sludge granulation in sequencing batch reactor by Mg ²⁺ augmentation. <i>Bioresource Technology</i> , 2009 , 100, 64-7	11	90
191	Partial nitrification and denitrification in a sequencing batch reactor treating high-salinity wastewater. <i>Chemical Engineering Journal</i> , 2016 , 288, 207-215	14.7	75
190	Long-term effects of ZnO nanoparticles on nitrogen and phosphorus removal, microbial activity and microbial community of a sequencing batch reactor. <i>Bioresource Technology</i> , 2016 , 216, 428-36	11	73
189	Recurrent convolutional neural network: A new framework for remaining useful life prediction of machinery. <i>Neurocomputing</i> , 2020 , 379, 117-129	5.4	73
188	Effect of hexavalent chromium on extracellular polymeric substances of granular sludge from an aerobic granular sequencing batch reactor. <i>Chemical Engineering Journal</i> , 2014 , 251, 165-174	14.7	71
187	Transactivation of Atg4b by C/EBP β promotes autophagy to facilitate adipogenesis. <i>Molecular and Cellular Biology</i> , 2013 , 33, 3180-90	4.8	70
186	Nitrogen removal pathway and dynamics of microbial community with the increase of salinity in simultaneous nitrification and denitrification process. <i>Science of the Total Environment</i> , 2019 , 697, 134047	10.2	69

185	A new bearing fault diagnosis method based on modified convolutional neural networks. <i>Chinese Journal of Aeronautics</i> , 2020 , 33, 439-447	3.7	69
184	Effects of hydraulic retention time (HRT) on denitrification using waste activated sludge thermal hydrolysis liquid and acidogenic liquid as carbon sources. <i>Bioresource Technology</i> , 2017 , 224, 147-156	11	63
183	Remaining Useful Life Prediction Based on a General Expression of Stochastic Process Models. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5709-5718	8.9	59
182	Magnetic FeO nanoparticles induced effects on performance and microbial community of activated sludge from a sequencing batch reactor under long-term exposure. <i>Bioresource Technology</i> , 2017 , 225, 377-385	11	57
181	Structural and functional properties of organic matters in extracellular polymeric substances (EPS) and dissolved organic matters (DOM) after heat pretreatment with waste sludge. <i>Bioresource Technology</i> , 2016 , 219, 614-623	11	54
180	A comparison of different pretreatments on hydrogen fermentation from waste sludge by fluorescence excitation-emission matrix with regional integration analysis. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 197-208	6.7	52
179	Performance and microbial community of a sequencing batch biofilm reactor treating synthetic mariculture wastewater under long-term exposure to norfloxacin. <i>Bioresource Technology</i> , 2016 , 222, 139-147	11	52
178	Impact of sulfadiazine on performance and microbial community of a sequencing batch biofilm reactor treating synthetic mariculture wastewater. <i>Bioresource Technology</i> , 2017 , 235, 122-130	11	50
177	Effective hydrogen production using waste sludge and its filtrate. <i>Energy</i> , 2010 , 35, 3557-3562	7.9	50
176	Multifeatures Fusion and Nonlinear Dimension Reduction for Intelligent Bearing Condition Monitoring. <i>Shock and Vibration</i> , 2016 , 2016, 1-10	1.1	49
175	Effect of anaerobic/aerobic duration on nitrogen removal and microbial community in a simultaneous partial nitrification and denitrification system under low salinity. <i>Science of the Total Environment</i> , 2019 , 651, 859-870	10.2	46
174	Long-term impacts of titanium dioxide nanoparticles (TiO NPs) on performance and microbial community of activated sludge. <i>Bioresource Technology</i> , 2017 , 238, 361-368	11	44
173	Effect of S-TE (solubilization by thermophilic enzyme) digestion conditions on hydrogen production from waste sludge. <i>Bioresource Technology</i> , 2012 , 117, 368-72	11	44
172	Application of iron oxide (Fe ₃ O ₄) nanoparticles during the two-stage anaerobic digestion with waste sludge: Impact on the biogas production and the substrate metabolism. <i>Renewable Energy</i> , 2020 , 146, 2724-2735	8.1	43
171	Performance evaluation, microbial enzymatic activity and microbial community of a sequencing batch reactor under long-term exposure to cerium dioxide nanoparticles. <i>Bioresource Technology</i> , 2016 , 220, 262-270	11	41
170	Degradation and transformation of extracellular polymeric substances (EPS) and dissolved organic matters (DOM) during two-stage anaerobic digestion with waste sludge. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9619-9629	6.7	39
169	Extracellular polymeric substances, microbial activity and microbial community of biofilm and suspended sludge at different divalent cadmium concentrations. <i>Bioresource Technology</i> , 2016 , 205, 213-21	11	37
168	Long-term effects of cupric oxide nanoparticles (CuO NPs) on the performance, microbial community and enzymatic activity of activated sludge in a sequencing batch reactor. <i>Journal of Environmental Management</i> , 2017 , 187, 330-339	7.9	36

167	Long-term effects of combined divalent copper and tetracycline on the performance, microbial activity and community in a sequencing batch reactor. <i>Bioresource Technology</i> , 2018 , 249, 916-923	11	36
166	Impact of ampicillin on the nitrogen removal, microbial community and enzymatic activity of activated sludge. <i>Bioresource Technology</i> , 2019 , 272, 337-345	11	35
165	Acetylation of Mitochondrial Trifunctional Protein β -Subunit Enhances Its Stability To Promote Fatty Acid Oxidation and Is Decreased in Nonalcoholic Fatty Liver Disease. <i>Molecular and Cellular Biology</i> , 2016 , 36, 2553-67	4.8	34
164	Perchlorate reduction by hydrogen autotrophic bacteria in a bioelectrochemical reactor. <i>Journal of Environmental Management</i> , 2014 , 142, 10-6	7.9	34
163	The influence of Fe, Fe and magnet powder (FeO) on aerobic granulation and their mechanisms. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 1-11	7	32
162	Engineering synergetic CO-fixing pathways for malate production. <i>Metabolic Engineering</i> , 2018 , 47, 496-504	5.4	32
161	Three-dimensional fluorescence excitation-emission matrix (EEM) spectroscopy with regional integration analysis for assessing waste sludge hydrolysis at different pretreated temperatures. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 24061-24067	5.1	30
160	Adsorptive Stripping Analysis of Riboflavin at Electrically Heated Graphite Cylindrical Electrodes. <i>Electroanalysis</i> , 2007 , 19, 2251-2257	3	30
159	Performance evaluation and microbial community of a sequencing batch biofilm reactor (SBBR) treating mariculture wastewater at different chlortetracycline concentrations. <i>Journal of Environmental Management</i> , 2016 , 182, 496-504	7.9	29
158	Suv39h1 mediates AP-2-dependent inhibition of C/EBP β expression during adipogenesis. <i>Molecular and Cellular Biology</i> , 2014 , 34, 2330-8	4.8	29
157	Characteristics of extracellular polymeric substances from sludge and biofilm in a simultaneous nitrification and denitrification system under high salinity stress. <i>Bioprocess and Biosystems Engineering</i> , 2016 , 39, 1375-89	3.7	29
156	Optimization of polyhydroxyalkanoates (PHA) synthesis with heat pretreated waste sludge. <i>Waste Management</i> , 2018 , 82, 15-25	8.6	28
155	Synthesis of cubic fluorite CeO ₂ nanowires. <i>Journal of Materials Science</i> , 2005 , 40, 1305-1307	4.3	26
154	Deep Focus Parallel Convolutional Neural Network for Imbalanced Classification of Machinery Fault Diagnostics. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 8680-8689	5.2	25
153	Instance-based ensemble deep transfer learning network: A new intelligent degradation recognition method and its application on ball screw. <i>Mechanical Systems and Signal Processing</i> , 2020 , 140, 106681	7.8	25
152	Enhanced heterogeneous photo-Fenton-like degradation of tetracycline over CuFeO/biochar catalyst through accelerating electron transfer under visible light. <i>Journal of Environmental Management</i> , 2021 , 285, 112093	7.9	25
151	Long-term effects of salinity on extracellular polymeric substances, microbial activity and microbial community from biofilm and suspended sludge in an anoxic-aerobic sequencing batch biofilm reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 275-280	5.3	24
150	MicroRNA-140 promotes adipocyte lineage commitment of C3H10T1/2 pluripotent stem cells via targeting osteopetrosis-associated transmembrane protein 1. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8222-8230	5.4	23

149	Performance evaluation of a mesophilic (37 degrees C) upflow anaerobic sludge blanket reactor in treating distiller's grains wastewater. <i>Journal of Hazardous Materials</i> , 2007 , 141, 808-13	12.8	23
148	Heterotrophic denitrification strategy for marine recirculating aquaculture wastewater treatment using mariculture solid wastes fermentation liquid as carbon source: Optimization of COD/NO-N ratio and hydraulic retention time. <i>Bioresource Technology</i> , 2020 , 304, 122982	11	22
147	Effect of Magnet Powder (Fe ₃ O ₄) on Aerobic Granular Sludge (AGS) Formation and Microbial Community Structure Characteristics. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9707-9715	8.3	22
146	Integrating acidogenic fermentation and microalgae cultivation of bacterial-algal coupling system for mariculture wastewater treatment. <i>Bioresource Technology</i> , 2021 , 320, 124335	11	22
145	Preparation of graphene/TiO ₂ nanotube array photoelectrodes and their photocatalytic activity for the degradation of alachlor. <i>Catalysis Science and Technology</i> , 2016 , 6, 1892-1902	5.5	21
144	Effects of hexavalent chromium on performance and microbial community of an aerobic granular sequencing batch reactor. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4575-86	5.1	21
143	BMP4 mediates the interplay between adipogenesis and angiogenesis during expansion of subcutaneous white adipose tissue. <i>Journal of Molecular Cell Biology</i> , 2016 , 8, 302-12	6.3	21
142	Enhancing denitrification efficiency for nitrogen removal using waste sludge alkaline fermentation liquid as external carbon source. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 4633-4644	5.1	21
141	BMP4 facilitates beige fat biogenesis via regulating adipose tissue macrophages. <i>Journal of Molecular Cell Biology</i> , 2019 , 11, 14-25	6.3	21
140	Protein Inhibitor of Activated STAT 1 (PIAS1) Protects Against Obesity-Induced Insulin Resistance by Inhibiting Inflammation Cascade in Adipose Tissue. <i>Diabetes</i> , 2015 , 64, 4061-74	0.9	20
139	17.6%-Efficient Quasipolar Heterojunction Organic Solar Cells from a Chlorinated 3D Network Acceptor. <i>Advanced Materials</i> , 2021 , 33, e2102778	24	20
138	Effect of different substrate concentrations and salinity on hydrogen production from mariculture organic waste (MOW). <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 736-743	6.7	19
137	Effect of Fe ₃ O ₄ nanoparticles on composition and spectroscopic characteristics of extracellular polymeric substances from activated sludge. <i>Process Biochemistry</i> , 2018 , 75, 212-220	4.8	19
136	Insights into the effect of nickel (Ni(II)) on the performance, microbial enzymatic activity and extracellular polymeric substances of activated sludge. <i>Environmental Pollution</i> , 2019 , 251, 81-89	9.3	18
135	Comparison of thermophilic bacteria and alkyl polyglucose pretreatment on two-stage anaerobic digestion with waste sludge: Biogas production potential and substrate metabolism process. <i>Bioresource Technology</i> , 2018 , 249, 694-703	11	18
134	Enhancing the hydrolysis of saline waste sludge with thermophilic bacteria pretreatment: New insights through the evolution of extracellular polymeric substances and dissolved organic matters transformation. <i>Science of the Total Environment</i> , 2019 , 670, 31-40	10.2	17
133	Effect of oxytetracycline on performance and microbial community of an anoxic-aerobic sequencing batch reactor treating mariculture wastewater. <i>RSC Advances</i> , 2015 , 5, 53893-53904	3.7	17
132	Salinity effect on simultaneous nitrification and denitrification, microbial characteristics in a hybrid sequencing batch biofilm reactor. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 65-75	3.7	17

131	Effect of florfenicol on performance and microbial community of a sequencing batch biofilm reactor treating mariculture wastewater. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 363-372 ^{2.6}	16
130	Long-term effect of different Cu(II) concentrations on the performance, microbial enzymatic activity and microbial community of sequencing batch reactor. <i>Environmental Pollution</i> , 2019 , 255, 113216 ^{9.3}	16
129	Enhancing the tolerance of <i>Clostridium saccharoperbutylacetonicum</i> to lignocellulosic-biomass-derived inhibitors for efficient biobutanol production by overexpressing efflux pumps genes from <i>Pseudomonas putida</i> . <i>Bioresource Technology</i> , 2020 , 312, 123532	11 16
128	Impacts of silver nanoparticles on performance and microbial community and enzymatic activity of a sequencing batch reactor. <i>Journal of Environmental Management</i> , 2017 , 204, 667-673	7.9 15
127	Enrichment and immobilization of sulfide removal microbiota applied for environmental biological remediation of aquaculture area. <i>Environmental Pollution</i> , 2016 , 214, 307-313	9.3 15
126	Long-term effects of nickel oxide nanoparticles on performance, microbial enzymatic activity, and microbial community of a sequencing batch reactor. <i>Chemosphere</i> , 2017 , 169, 387-395	8.4 15
125	On-line milling cutter wear monitoring in a wide field-of-view camera. <i>Wear</i> , 2020 , 460-461, 203479	3.5 15
124	Engineering <i>Clostridium saccharoperbutylacetonicum</i> for High Level Isopropanol-Butanol-Ethanol (IBE) Production from Acetic Acid Pretreated Switchgrass Using the CRISPR-Cas9 System. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18153-18164	8.3 14
123	The effects of divalent copper on performance, extracellular polymeric substances and microbial community of an anoxic/aerobic sequencing batch reactor. <i>RSC Advances</i> , 2015 , 5, 30737-30747	3.7 14
122	Elucidating salinity adaptation and shock loading on denitrification performance: Focusing on microbial community shift and carbon source evaluation. <i>Bioresource Technology</i> , 2020 , 305, 123030	11 14
121	Enhancing denitrification with waste sludge carbon source: the substrate metabolism process and mechanisms. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 13079-13092	5.1 14
120	Statistical key factors optimization of conditions for hydrogen production from S-TE (solubilization by thermophilic enzyme) waste sludge. <i>Bioresource Technology</i> , 2013 , 137, 51-6	11 14
119	Deep convolution feature learning for health indicator construction of bearings 2017 ,	14
118	Co-valorization of paper mill sludge and corn steep liquor for enhanced n-butanol production with <i>Clostridium tyrobutyricum</i> Bat1::adhE2. <i>Bioresource Technology</i> , 2020 , 296, 122347	11 14
117	Size-dependent effects of ZnO nanoparticles on performance, microbial enzymatic activity and extracellular polymeric substances in sequencing batch reactor. <i>Environmental Pollution</i> , 2020 , 257, 113596 ^{9.3}	14
116	Performance and bacterial communities in unsaturated and saturated zones of a vertical-flow constructed wetland with continuous-feed. <i>Bioresource Technology</i> , 2020 , 315, 123859	11 14
115	Photoelectrocatalytic degradation of p-chloronitrobenzene by g-CN/TiO nanotube arrays photoelectrodes under visible light irradiation. <i>Chemosphere</i> , 2021 , 267, 129242	8.4 14
114	Enhancement of acid re-assimilation and biosolvent production in <i>Clostridium saccharoperbutylacetonicum</i> through metabolic engineering for efficient biofuel production from lignocellulosic biomass. <i>Bioresource Technology</i> , 2019 , 281, 217-225	11 13

113	Rewiring carbon flux in Escherichia coli using a bifunctional molecular switch. <i>Metabolic Engineering</i> , 2020 , 61, 47-57	9.7	13
112	Effect of salinity and pH on dark fermentation with thermophilic bacteria pretreated swine wastewater. <i>Journal of Environmental Management</i> , 2020 , 271, 111023	7.9	13
111	Deep Cost Adaptive Convolutional Network: A Classification Method for Imbalanced Mechanical Data. <i>IEEE Access</i> , 2020 , 8, 71486-71496	3.5	13
110	Study on substrate metabolism process of saline waste sludge and its biological hydrogen production potential. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 16383-16395	5.1	13
109	Dynamic consolidated bioprocessing for direct production of xylonate and shikimate from xylan by Escherichia coli. <i>Metabolic Engineering</i> , 2020 , 60, 128-137	9.7	13
108	Effect of Substrate Conversion on Performance of Microbial Fuel Cells and Anodic Microbial Communities. <i>Environmental Engineering Science</i> , 2017 , 34, 666-674	2	12
107	Machinery vibration signal denoising based on learned dictionary and sparse representation. <i>Journal of Physics: Conference Series</i> , 2015 , 628, 012124	0.3	11
106	Performance comparison of biofilm and suspended sludge from a sequencing batch biofilm reactor treating mariculture wastewater under oxytetracycline stress. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2391-404	2.6	11
105	Enhanced Hydrogen Production from Sewage Sludge Pretreated by Thermophilic Bacteria. <i>Energy & Fuels</i> , 2010 , 24, 6081-6085	4.1	11
104	The effects of denitrification with sludge alkaline fermentation liquid and thermal hydrolysis liquid as carbon sources. <i>RSC Advances</i> , 2016 , 6, 72333-72341	3.7	11
103	Bacterial-algal coupling system for high strength mariculture wastewater treatment: Effect of temperature on nutrient recovery and microalgae cultivation. <i>Bioresource Technology</i> , 2021 , 338, 125574	11	11
102	Machine vision based condition monitoring and fault diagnosis of machine tools using information from machined surface texture: A review. <i>Mechanical Systems and Signal Processing</i> , 2022 , 164, 108068	7.8	11
101	Deep Coupled Joint Distribution Adaptation Network: A Method for Intelligent Fault Diagnosis Between Artificial and Real Damages. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	11
100	Effect of salinity on nitrogen removal by simultaneous nitrification and denitrification in a sequencing batch biofilm reactor. <i>Desalination and Water Treatment</i> , 2016 , 57, 7378-7386		10
99	Engineering microbial cell morphology and membrane homeostasis toward industrial applications. <i>Current Opinion in Biotechnology</i> , 2020 , 66, 18-26	11.4	10
98	Polyhydroxyalkanoate (PHA) production with acid or alkali pretreated sludge acidogenic liquid as carbon source: Substrate metabolism and monomer composition. <i>Chemical Engineering Research and Design</i> , 2020 , 142, 156-164	5.5	10
97	A Feature Extraction Method for Vibration Signal of Bearing Incipient Degradation. <i>Measurement Science Review</i> , 2016 , 16, 149-159	1.7	10
96	Effect of magnesium oxide nanoparticles on microbial diversity and removal performance of sequencing batch reactor. <i>Journal of Environmental Management</i> , 2018 , 222, 475-482	7.9	10

95	Comparison of thermophilic bacteria (TB) pretreated primary and secondary waste sludge carbon sources on denitrification performance at different HRTs. <i>Bioresource Technology</i> , 2020 , 297, 122438	11	10
94	Effects of salinity on pollutant removal and bacterial community in a partially saturated vertical flow constructed wetland. <i>Bioresource Technology</i> , 2021 , 329, 124890	11	10
93	Autotrophic perchlorate reduction kinetics of a microbial consortium using elemental sulfur as an electron donor. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 9694-703	5.1	9
92	Elucidating temperature on mixotrophic cultivation of a <i>Chlorella vulgaris</i> strain: Different carbon source application and enzyme activity revelation. <i>Bioresource Technology</i> , 2020 , 314, 123721	11	9
91	Effect of norfloxacin on performance, microbial enzymatic activity and microbial community of a sequencing batch reactor. <i>Environmental Technology and Innovation</i> , 2020 , 18, 100726	7	9
90	A Data-Flow Oriented Deep Ensemble Learning Method for Real-Time Surface Defect Inspection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 4681-4691	5.2	9
89	Research on automatic monitoring method of face milling cutter wear based on dynamic image sequence. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 110, 3365-3376	3.2	9
88	BMP4 Cross-talks With Estrogen/ER β Signaling to Regulate Adiposity and Glucose Metabolism in Females. <i>EBioMedicine</i> , 2016 , 11, 91-100	8.8	9
87	A High-Efficiency, Portable Solar Energy-Harvesting System Based on a Foldable-Wings Mechanism for Self-Powered Applications in Railways. <i>Energy Technology</i> , 2021 , 9, 2000794	3.5	9
86	Acetylation of Cavin-1 Promotes Lipolysis in White Adipose Tissue. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	8
85	Performance evaluation and microbial community shift of a sequencing batch reactor under silica nanoparticles stress. <i>Bioresource Technology</i> , 2017 , 245, 673-680	11	8
84	Nitrogen and Phosphorus Removal Enhanced by Side Stream System and Functional Microbial Communities in an Anaerobic/Anoxic/Oxic Process. <i>Environmental Engineering Science</i> , 2017 , 34, 599-606 ²		8
83	An unsupervised feature learning based health indicator construction method for performance assessment of machines. <i>Mechanical Systems and Signal Processing</i> , 2022 , 167, 108573	7.8	8
82	Pareto-optimal Adaptive Loss Residual Shrinkage Network for Imbalanced Classification of Machinery Fault Diagnostics. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	8
81	Kinetics comparison on simultaneous and sequential competitive adsorption of heavy metals in red soils. <i>Journal of Central South University</i> , 2015 , 22, 1269-1275	2.1	7
80	Insights into the effects of single and combined divalent copper and humic acid on the performance, microbial community and enzymatic activity of activated sludge from sequencing batch reactor. <i>Chemosphere</i> , 2020 , 249, 126165	8.4	7
79	Online remaining useful life prediction of milling cutters based on multi-source data and feature learning. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	7
78	Accelerating phosphorus release from waste activated sludge by nitrilotriacetic acid addition during anaerobic fermentation process and struvite recovery. <i>Chemical Engineering Research and Design</i> , 2021 , 147, 1066-1076	5.5	7

77	Similarity-Measured Isolation Forest: Anomaly Detection Method for Machine Monitoring Data. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	7
76	Impact of carbon/nitrogen ratio on the performance and microbial community of sequencing batch biofilm reactor treating synthetic mariculture wastewater. <i>Journal of Environmental Management</i> , 2021 , 298, 113528	7.9	7
75	Enhancing plasmid transformation efficiency and enabling CRISPR-Cas9/Cpf1-based genome editing in <i>Clostridium tyrobutyricum</i> . <i>Biotechnology and Bioengineering</i> , 2020 , 117, 2911-2917	4.9	7
74	Accelerating waste sludge hydrolysis with alkyl polyglucose pretreatment coupled with biological process of thermophilic bacteria: Hydrolytic enzyme activity and organic matters transformation. <i>Journal of Environmental Management</i> , 2019 , 247, 161-168	7.9	6
73	Single and combined effects of divalent copper and hexavalent chromium on the performance, microbial community and enzymatic activity of sequencing batch reactor. <i>Science of the Total Environment</i> , 2020 , 719, 137289	10.2	6
72	Insights into long-term effects of amino-functionalized multi-walled carbon nanotubes (MWCNTs-NH) on the performance, enzymatic activity and microbial community of sequencing batch reactor. <i>Environmental Pollution</i> , 2019 , 254, 113118	9.3	6
71	Indirect identification of isoprenoid quinones in <i>Escherichia coli</i> by LC-MS with atmospheric pressure chemical ionization in negative mode. <i>Journal of Basic Microbiology</i> , 2004 , 44, 424-9	2.7	6
70	Effect of alkyl polyglycosides on the performance of thermophilic bacteria pretreatment for saline waste sludge hydrolysis. <i>Bioresource Technology</i> , 2020 , 296, 122307	11	6
69	A fault pulse extraction and feature enhancement method for bearing fault diagnosis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 182, 109718	4.6	6
68	Mariculture wastewater treatment with Bacterial-Algal Coupling System (BACS): Effect of light intensity on microalgal biomass production and nutrient removal. <i>Environmental Research</i> , 2021 , 201, 111578	7.9	6
67	SCD1 promotes lipid mobilization in subcutaneous white adipose tissue. <i>Journal of Lipid Research</i> , 2020 , 61, 1589-1604	6.3	5
66	Transcriptomics of <i>Planococcus kocurii</i> O516 reveals the degrading metabolism of sulfamethoxazole in marine aquaculture wastewater. <i>Environmental Pollution</i> , 2020 , 265, 114939	9.3	5
65	Optimization of operating conditions for the acidification metabolites production with waste sludge using response surface methodology (RSM). <i>Environmental Science and Pollution Research</i> , 2019 , 26, 30303-30312	5.1	5
64	Optimization of VFAs and ethanol production with waste sludge used as the denitrification carbon source. <i>Water Science and Technology</i> , 2015 , 72, 1348-57	2.2	5
63	Life prediction of CNC linear rolling guide based on DFNN performance degradation model 2010 ,		5
62	Effect of magnetic powder on denitrification using the sludge alkaline fermentation liquid as a carbon source. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 7712-7719	5.1	5
61	A Novel Collision-Free Navigation Approach for Multiple Nonholonomic Robots Based on ORCA and Linear MPC. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-16	1.1	5
60	Influence of saturated zone depth and vegetation on the performance of vertical flow-constructed wetland with continuous feeding. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 33286-33297	5.1	5

59	Enhancing microalgae growth and product accumulation with carbon source regulation: New perspective for the coordination between photosynthesis and aerobic respiration. <i>Chemosphere</i> , 2021 , 278, 130435	8.4	5
58	MI-DAN: A framework for cross-domain intelligent fault diagnosis with imbalanced datasets. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 183, 109834	4.6	5
57	Effect of phosphorus concentration and light/dark condition on phosphorus uptake and distribution with microalgae. <i>Bioresource Technology</i> , 2021 , 340, 125745	11	5
56	Photodegradation performance and mechanism of 4-nonylphenol by WO/TiO and TiO nanotube array photoelectrodes. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 3084-3092	2.6	4
55	Effects of transient 3-chloroaniline shock loading on the performance, microbial community and enzymatic activity of sequencing batch reactor. <i>Journal of Environmental Management</i> , 2020 , 258, 110017-9	7.9	4
54	Electrochemical Oxidation of Acid Black 2 Dye Wastewater Using Boron-Doped Diamond Anodes: Multiresponse Optimization and Degradation Mechanisms. <i>Environmental Engineering Science</i> , 2019 , 36, 1049-1060	2	4
53	YOLO-SLAM: A semantic SLAM system towards dynamic environment with geometric constraint. <i>Neural Computing and Applications</i> , 2022 , 34, 6011	4.8	4
52	Denitrification performance evaluation and kinetics analysis with mariculture solid wastes (MSW) derived carbon source in marine recirculating aquaculture systems (RAS). <i>Bioresource Technology</i> , 2020 , 313, 123649	11	4
51	Treatment of Municipal Landfill Leachate by Electrochemical Oxidation: Assessing Operating Variables and Oxidation Products. <i>Environmental Engineering Science</i> , 2019 , 36, 1503-1513	2	4
50	Effect of aerobic/anoxic duration on the performance, microbial activity and microbial community of sequencing batch biofilm reactor treating synthetic mariculture wastewater. <i>Bioresource Technology</i> , 2021 , 333, 125198	11	4
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