Liang Guo

List of Publications by Year in Descending Order

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	YOLO-SLAM: A semantic SLAM system towards dynamic environment with geometric constraint. *Neural Computing and Applications*, **2022**, 34, 6011	4.8	4
201	Machine vision based adaptive online condition monitoring for milling cutter under spindle rotation. *Mechanical Systems and Signal Processing*, **2022**, 171, 108904	7.8	1
200	Regulation of carbon source metabolism in mixotrophic microalgae cultivation in response to light intensity variation. *Journal of Environmental Management*, **2022**, 302, 114095	7.9	1
199	An unsupervised feature learning based health indicator construction method for performance assessment of machines. *Mechanical Systems and Signal Processing*, **2022**, 167, 108573	7.8	8
198	Multiple activation functions and data augmentation based light weight network for in-situ tool condition monitoring. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	1
197	Effect of mixed primary and secondary sludge for two-stage anaerobic digestion (AD). *Bioresource Technology*, **2022**, 343, 126160	11	3
196	Machine vision based condition monitoring and fault diagnosis of machine tools using information from machined surface texture: A review. *Mechanical Systems and Signal Processing*, **2022**, 164, 108068	7.8	11
195	Enhanced aerobic granular sludge by static magnetic field to treat saline wastewater via simultaneous partial nitrification and denitrification (SPND) process.. *Bioresource Technology*, **2022**, 350, 126891	11	2
194	Metagenomics and network analysis elucidating the coordination between fermentative bacteria and microalgae in a novel bacterial-algal coupling reactor (BACR) for mariculture wastewater treatment.. *Water Research*, **2022**, 215, 118256	12.5	1
193	Comparison on anaerobic phosphorus release and recovery from waste activated sludge by different chemical pretreatment methods: Focus on struvite quality and benefit analysis.. *Science of the Total Environment*, **2022**, 154110	10.2	0
192	Sulfamethoxazole removal from mariculture wastewater in moving bed biofilm reactor and insight into the changes of antibiotic and resistance genes.. *Chemosphere*, **2022**, 298, 134327	8.4	2
191	Insight in degradation of tetracycline in mariculture wastewater by ultraviolet/persulfate advanced oxidation process.. *Environmental Research*, **2022**, 212, 113324	7.9	0
190	Roles of illumination on distribution of phosphorus in Chlorella vulgaris under mixotrophic cultivation.. *Chemosphere*, **2022**, 134904	8.4	0
189	Comparison of primary and secondary sludge carbon sources derived from hydrolysis or acidogenesis for nitrate reduction and denitrification kinetics: Organics utilization and microbial community shift.. *Environmental Research*, **2022**, 212, 113403	7.9	0
188	Adversarial domain adaptation network with pseudo-siamese feature extractors for cross-bearing fault transfer diagnosis. *Engineering Applications of Artificial Intelligence*, **2022**, 113, 104932	7.2	0
187	Reconstruction Domain Adaptation Transfer Network for Partial Transfer learning of Machinery Fault Diagnostics. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 1-1	5.2	2
186	Multi-source Partial Transfer Network for Machinery Fault Diagnostics. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1

#	Reference	Impact	Citations
185	Online remaining useful life prediction of milling cutters based on multi-source data and feature learning. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	7
184	The hydrolysis and reduction of mixing primary sludge and secondary sludge with thermophilic bacteria pretreatment. *Chemical Engineering Research and Design*, **2021**, 156, 288-294	5.5	0
183	Accelerating phosphorus release from waste activated sludge by nitrilotriacetic acid addition during anaerobic fermentation process and struvite recovery. *Chemical Engineering Research and Design*, **2021**, 147, 1066-1076	5.5	7
182	Identification and Investigation of Autolysin Genes in Clostridium saccharoperbutylacetonicum Strain N1-4 for Enhanced Biobutanol Production. *Applied and Environmental Microbiology*, **2021**, 87,	4.8	2
181	Enhanced heterogeneous photo-Fenton-like degradation of tetracycline over CuFeO/biochar catalyst through accelerating electron transfer under visible light. *Journal of Environmental Management*, **2021**, 285, 112093	7.9	25
180	Effects of salinity on pollutant removal and bacterial community in a partially saturated vertical flow constructed wetland. *Bioresource Technology*, **2021**, 329, 124890	11	10
179	Optimal Motion Planning for Differential Drive Mobile Robots based on Multiple-Interval Chebyshev Pseudospectral Methods. *Robotica*, **2021**, 39, 391-410	2.1	1
178	Effects of aluminum oxide nanoparticles on the performance, extracellular polymeric substances, microbial community and enzymatic activity of sequencing batch reactor. *Environmental Technology (United Kingdom)*, **2021**, 42, 366-376	2.6	2
177	Integrating acidogenic fermentation and microalgae cultivation of bacterial-algal coupling system for mariculture wastewater treatment. *Bioresource Technology*, **2021**, 320, 124335	11	22
176	Photoelectrocatalytic degradation of p-chloronitrobenzene by g-CN/TiO nanotube arrays photoelectrodes under visible light irradiation. *Chemosphere*, **2021**, 267, 129242	8.4	14
175	Effects of chemical oxygen demand concentration, pH and operation cycle on polyhydroxyalkanoates synthesis with waste sludge. *Environmental Technology (United Kingdom)*, **2021**, 42, 1922-1929	2.6	1
174	Pareto-optimal Adaptive Loss Residual Shrinkage Network for Imbalanced Classification of Machinery Fault Diagnostics. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	8
173	Automatically Designing Network-based Deep Transfer Learning Architectures based on Genetic Algorithm for In-situ Tool Condition Monitoring. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
172	Similarity-Measured Isolation Forest: Anomaly Detection Method for Machine Monitoring Data. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-12	5.2	7
171	Macromolecular Structural Responses of Coking Coal to Stress-Strain Environments Based on High-Resolution Transmission Electron Microscopy. *Journal of Nanoscience and Nanotechnology*, **2021**, 21, 772-780	1.3	
170	A High-Efficiency, Portable Solar Energy-Harvesting System Based on a Foldable-Wings Mechanism for Self-Powered Applications in Railways. *Energy Technology*, **2021**, 9, 2000794	3.5	9
169	17.6%-Efficient Quasiplanar Heterojunction Organic Solar Cells from a Chlorinated 3D Network Acceptor. *Advanced Materials*, **2021**, 33, e2102778	24	20
168	Effect of aerobic/anoxic duration on the performance, microbial activity and microbial community of sequencing batch biofilm reactor treating synthetic mariculture wastewater. *Bioresource Technology*, **2021**, 333, 125198	11	4

167	Enhancing microalgae growth and product accumulation with carbon source regulation: New perspective for the coordination between photosynthesis and aerobic respiration. *Chemosphere*, **2021**, 278, 130435	8.4	5
166	A fault pulse extraction and feature enhancement method for bearing fault diagnosis. *Measurement: Journal of the International Measurement Confederation*, **2021**, 182, 109718	4.6	6
165	Bacterial-algal coupling system for high strength mariculture wastewater treatment: Effect of temperature on nutrient recovery and microalgae cultivation. *Bioresource Technology*, **2021**, 338, 125574	11	11
164	MiDAN: A framework for cross-domain intelligent fault diagnosis with imbalanced datasets. *Measurement: Journal of the International Measurement Confederation*, **2021**, 183, 109834	4.6	5
163	Thermophilic bacteria combined with alkyl polyglucose pretreated mariculture solid wastes using as denitrification carbon source for marine recirculating aquaculture wastewater treatment. *Science of the Total Environment*, **2021**, 792, 148447	10.2	3
162	Enhanced in-situ electro-generation of HO using PTFE and NHHCO modified C/PTFE electrode for treatment of landfill leachate. *Journal of Environmental Management*, **2021**, 295, 112933	7.9	0
161	Mariculture wastewater treatment with Bacterial-Algal Coupling System (BACS): Effect of light intensity on microalgal biomass production and nutrient removal. *Environmental Research*, **2021**, 201, 111578	7.9	6
160	Impact of carbon/nitrogen ratio on the performance and microbial community of sequencing batch biofilm reactor treating synthetic mariculture wastewater. *Journal of Environmental Management*, **2021**, 298, 113528	7.9	7
159	Control of toxic sulfide in mariculture environment by iron-coated ceramsite and immobilized sulfur oxidizing bacteria. *Science of the Total Environment*, **2021**, 793, 148658	10.2	2
158	Effect of phosphorus concentration and light/dark condition on phosphorus uptake and distribution with microalgae. *Bioresource Technology*, **2021**, 340, 125745	11	5
157	Phosphorus uptake, distribution and transformation with Chlorella vulgaris under different trophic modes. *Chemosphere*, **2021**, 285, 131366	8.4	3
156	An insight into the phosphorus distribution in extracellular and intracellular cell of Chlorella vulgaris under mixotrophic cultivation. *Algal Research*, **2021**, 60, 102482	5	1
155	Deep Coupled Joint Distribution Adaptation Network: A Method for Intelligent Fault Diagnosis Between Artificial and Real Damages. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-12	5.2	11
154	SCD1 promotes lipid mobilization in subcutaneous white adipose tissue. *Journal of Lipid Research*, **2020**, 61, 1589-1604	6.3	5
153	Rewiring carbon flux in Escherichia coli using a bifunctional molecular switch. *Metabolic Engineering*, **2020**, 61, 47-57	9.7	13
152	Insight into the effect of oxytetracycline on the pollutant removal performance, nitrogen removal rate, microbial community and enzymatic activity of sequencing batch reactor. *Journal of Water Process Engineering*, **2020**, 36, 101309	6.7	0
151	Engineering microbial cell morphology and membrane homeostasis toward industrial applications. *Current Opinion in Biotechnology*, **2020**, 66, 18-26	11.4	10
150	Elucidating temperature on mixotrophic cultivation of a Chlorella vulgaris strain: Different carbon source application and enzyme activity revelation. *Bioresource Technology*, **2020**, 314, 123721	11	9

149	Polyhydroxyalkanoate (PHA) production with acid or alkali pretreated sludge acidogenic liquid as carbon source: Substrate metabolism and monomer composition. *Chemical Engineering Research and Design*, **2020**, 142, 156-164	5.5	10
148	Elucidating salinity adaptation and shock loading on denitrification performance: Focusing on microbial community shift and carbon source evaluation. *Bioresource Technology*, **2020**, 305, 123030	11	14
147	Effect of norfloxacin on performance, microbial enzymatic activity and microbial community of a sequencing batch reactor. *Environmental Technology and Innovation*, **2020**, 18, 100726	7	9
146	Deep Focus Parallel Convolutional Neural Network for Imbalanced Classification of Machinery Fault Diagnostics. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 8680-8689	5.2	25
145	Transcriptomics of Planococcus kocurii O516 reveals the degrading metabolism of sulfamethoxazole in marine aquaculture wastewater. *Environmental Pollution*, **2020**, 265, 114939	9.3	5
144	Effect of salinity and pH on dark fermentation with thermophilic bacteria pretreated swine wastewater. *Journal of Environmental Management*, **2020**, 271, 111023	7.9	13
143	Single and combined effects of divalent copper and hexavalent chromium on the performance, microbial community and enzymatic activity of sequencing batch reactor. *Science of the Total Environment*, **2020**, 719, 137289	10.2	6
142	Instance-based ensemble deep transfer learning network: A new intelligent degradation recognition method and its application on ball screw. *Mechanical Systems and Signal Processing*, **2020**, 140, 106681	7.8	25
141	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. *Chemosphere*, **2020**, 249, 126165	8.4	7
140	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. *Bioresource Technology*, **2020**, 304, 122982	11	22
139	Effects of transient 3-chloroaniline shock loading on the performance, microbial community and enzymatic activity of sequencing batch reactor. *Journal of Environmental Management*, **2020**, 258, 110017	7.9	4
138	A Data-Flow Oriented Deep Ensemble Learning Method for Real-Time Surface Defect Inspection. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 4681-4691	5.2	9
137	Deep Cost Adaptive Convolutional Network: A Classification Method for Imbalanced Mechanical Data. *IEEE Access*, **2020**, 8, 71486-71496	3.5	13
136	Enhancing the tolerance of Clostridium saccharoperbutylacetonicum to lignocellulosic-biomass-derived inhibitors for efficient biobutanol production by overexpressing efflux pumps genes from Pseudomonas putida. *Bioresource Technology*, **2020**, 312, 123532	11	16
135	Effect of alkyl polyglycosides on the performance of thermophilic bacteria pretreatment for saline waste sludge hydrolysis. *Bioresource Technology*, **2020**, 296, 122307	11	6
134	Co-valorization of paper mill sludge and corn steep liquor for enhanced n-butanol production with Clostridium tyrobutyricum Δcat1::adhE2. *Bioresource Technology*, **2020**, 296, 122347	11	14
133	Recurrent convolutional neural network: A new framework for remaining useful life prediction of machinery. *Neurocomputing*, **2020**, 379, 117-129	5.4	73
132	Effect of magnetic powder on denitrification using the sludge alkaline fermentation liquid as a carbon source. *Environmental Science and Pollution Research*, **2020**, 27, 7712-7719	5.1	5

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131	Size-dependent effects of ZnO nanoparticles on performance, microbial enzymatic activity and extracellular polymeric substances in sequencing batch reactor. *Environmental Pollution*, **2020**, 257, 113596	9.3	14
130	Comparison of thermophilic bacteria (TB) pretreated primary and secondary waste sludge carbon sources on denitrification performance at different HRTs. *Bioresource Technology*, **2020**, 297, 122438	11	10
129	On-line milling cutter wear monitoring in a wide field-of-view camera. *Wear*, **2020**, 460-461, 203479	3.5	15
128	Research on automatic monitoring method of face milling cutter wear based on dynamic image sequence. *International Journal of Advanced Manufacturing Technology*, **2020**, 110, 3365-3376	3.2	9
127	Comparison of the effects of salinity on microbial community structures and functions in sequencing batch reactors with and without carriers. *Bioprocess and Biosystems Engineering*, **2020**, 43, 2175-2188	3.7	1
126	Denitrification performance evaluation and kinetics analysis with mariculture solid wastes (MSW) derived carbon source in marine recirculating aquaculture systems (RAS). *Bioresource Technology*, **2020**, 313, 123649	11	4
125	Performance and bacterial communities in unsaturated and saturated zones of a vertical-flow constructed wetland with continuous-feed. *Bioresource Technology*, **2020**, 315, 123859	11	14
124	Single and combined effect of divalent copper and oxytetracycline on the performance, microbial community and enzymatic activity of sequencing batch reactors. *Environmental Technology and Innovation*, **2020**, 20, 101048	7	3
123	A Novel Collision-Free Navigation Approach for Multiple Nonholonomic Robots Based on ORCA and Linear MPC. *Mathematical Problems in Engineering*, **2020**, 2020, 1-16	1.1	5
122	Salt-tolerant Microbiota Enhancing Contaminants Removal from Mariculture Wastewater Containing Sulfamethoxazole in an A/O-MBBR. *Journal of Ocean University of China*, **2020**, 19, 865-873	1	2
121	Application of iron oxide (Fe3O4) nanoparticles during the two-stage anaerobic digestion with waste sludge: Impact on the biogas production and the substrate metabolism. *Renewable Energy*, **2020**, 146, 2724-2735	8.1	43
120	A new bearing fault diagnosis method based on modified convolutional neural networks. *Chinese Journal of Aeronautics*, **2020**, 33, 439-447	3.7	69
119	A New Intelligent Fault Diagnosis Method and Its Application on Bearings. *Lecture Notes in Mechanical Engineering*, **2020**, 618-628	0.4	
118	Dynamic consolidated bioprocessing for direct production of xylonate and shikimate from xylan by Escherichia coli. *Metabolic Engineering*, **2020**, 60, 128-137	9.7	13
117	Enhancing plasmid transformation efficiency and enabling CRISPR-Cas9/Cpf1-based genome editing in Clostridium tyrobutyricum. *Biotechnology and Bioengineering*, **2020**, 117, 2911-2917	4.9	7
116	Enhancing swine wastewater hydrolysis with thermophilic bacteria and assisted pretreatments. *Water Environment Research*, **2020**, 92, 954-958	2.8	2
115	Characteristics of Sulfide Removal by Hydrogenovibrio thermophilus Strain TT in Mariculture System. *Journal of Ocean University of China*, **2019**, 18, 1185-1192	1	3
114	EngineeringClostridium saccharoperbutylacetonicumfor High Level Isopropanol-Butanol-Ethanol (IBE) Production from Acetic Acid Pretreated Switchgrass Using the CRISPR-Cas9 System. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 18153-18164	8.3	14

113	Accelerating waste sludge hydrolysis with alkyl polyglucose pretreatment coupled with biological process of thermophilic bacteria: Hydrolytic enzyme activity and organic matters transformation. *Journal of Environmental Management*, **2019**, 247, 161-168	7.9	6
112	Long-term impacts of carboxyl functionalized multi-walled carbon nanotubes on the performance, microbial enzymatic activity and microbial community of sequencing batch reactor. *Bioresource Technology*, **2019**, 286, 121382	11	2
111	Insights into the effect of nickel (Ni(II)) on the performance, microbial enzymatic activity and extracellular polymeric substances of activated sludge. *Environmental Pollution*, **2019**, 251, 81-89	9.3	18
110	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. *Science of the Total Environment*, **2019**, 670, 31-40	10.2	17
109	Enhancement of acid re-assimilation and biosolvent production in Clostridium saccharoperbutylacetonicum through metabolic engineering for efficient biofuel production from lignocellulosic biomass. *Bioresource Technology*, **2019**, 281, 217-225	11	13
108	Ball Screw Fault Detection and Location Based on Outlier and Instantaneous Rotational Frequency Estimation. *Shock and Vibration*, **2019**, 2019, 1-12	1.1	3
107	Optimization of operating conditions for the acidification metabolites production with waste sludge using response surface methodology (RSM). *Environmental Science and Pollution Research*, **2019**, 26, 30303-30312	5.1	5
106	Nitrogen removal pathway and dynamics of microbial community with the increase of salinity in simultaneous nitrification and denitrification process. *Science of the Total Environment*, **2019**, 697, 134047	10.2	69
105	Long-term effect of different Cu(II) concentrations on the performance, microbial enzymatic activity and microbial community of sequencing batch reactor. *Environmental Pollution*, **2019**, 255, 113216	9.3	16
104	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. *Environmental Pollution*, **2019**, 254, 113118	9.3	6
103	Electrochemical Oxidation of Acid Black 2 Dye Wastewater Using Boron-Doped Diamond Anodes: Multiresponse Optimization and Degradation Mechanisms. *Environmental Engineering Science*, **2019**, 36, 1049-1060	2	4
102	Treatment of Municipal Landfill Leachate by Electrochemical Oxidation: Assessing Operating Variables and Oxidation Products. *Environmental Engineering Science*, **2019**, 36, 1503-1513	2	4
101	Enhancing denitrification efficiency for nitrogen removal using waste sludge alkaline fermentation liquid as external carbon source. *Environmental Science and Pollution Research*, **2019**, 26, 4633-4644	5.1	21
100	Impact of ampicillin on the nitrogen removal, microbial community and enzymatic activity of activated sludge. *Bioresource Technology*, **2019**, 272, 337-345	11	35
99	. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 7316-7325	8.9	418
98	Effect of anaerobic/aerobic duration on nitrogen removal and microbial community in a simultaneous partial nitrification and denitrification system under low salinity. *Science of the Total Environment*, **2019**, 651, 859-870	10.2	46
97	BMP4 facilitates beige fat biogenesis via regulating adipose tissue macrophages. *Journal of Molecular Cell Biology*, **2019**, 11, 14-25	6.3	21
96	Two-stage pretreatment of excess sludge for electricity generation in microbial fuel cell. *Environmental Technology (United Kingdom)*, **2019**, 40, 1349-1358	2.6	3

95	Machinery health indicator construction based on convolutional neural networks considering trend burr. *Neurocomputing*, **2018**, 292, 142-150	5.4	115
94	Microbiological aspects of thermophile pretreatment of activated sludge inhibiting electricity generation of microbial fuel cell. *Water Science and Technology*, **2018**, 77, 2134-2145	2.2	0
93	Effect of florfenicol on performance and microbial community of a sequencing batch biofilm reactor treating mariculture wastewater. *Environmental Technology (United Kingdom)*, **2018**, 39, 363-372	2.6	16
92	A neural network constructed by deep learning technique and its application to intelligent fault diagnosis of machines. *Neurocomputing*, **2018**, 272, 619-628	5.4	273
91	Comparison of thermophilic bacteria and alkyl polyglucose pretreatment on two-stage anaerobic digestion with waste sludge: Biogas production potential and substrate metabolism process. *Bioresource Technology*, **2018**, 249, 694-703	11	18
90	Salinity effect on simultaneous nitrification and denitrification, microbial characteristics in a hybrid sequencing batch biofilm reactor. *Bioprocess and Biosystems Engineering*, **2018**, 41, 65-75	3.7	17
89	Effect of Magnet Powder (Fe3O4) on Aerobic Granular Sludge (AGS) Formation and Microbial Community Structure Characteristics. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9707-9715	8.3	22
88	Enhancing denitrification with waste sludge carbon source: the substrate metabolism process and mechanisms. *Environmental Science and Pollution Research*, **2018**, 25, 13079-13092	5.1	14
87	The influence of Fe, Fe and magnet powder (FeO) on aerobic granulation and their mechanisms. *Ecotoxicology and Environmental Safety*, **2018**, 164, 1-11	7	32
86	Effect of magnesium oxide nanoparticles on microbial diversity and removal performance of sequencing batch reactor. *Journal of Environmental Management*, **2018**, 222, 475-482	7.9	10
85	EFFECT OF COD/N RATIO ON PERFORMANCE OF A SEQUENCING BATCH REACTOR TREATING SALINE WASTEWATER. *Environmental Engineering and Management Journal*, **2018**, 17, 1161-1168	0.6	1
84	Machinery health prognostics: A systematic review from data acquisition to RUL prediction. *Mechanical Systems and Signal Processing*, **2018**, 104, 799-834	7.8	758
83	Long-term effects of combined divalent copper and tetracycline on the performance, microbial activity and community in a sequencing batch reactor. *Bioresource Technology*, **2018**, 249, 916-923	11	36
82	Influence of saturated zone depth and vegetation on the performance of vertical flow-constructed wetland with continuous feeding. *Environmental Science and Pollution Research*, **2018**, 25, 33286-33297	5.1	5
81	Optimization of polyhydroxyalkanoates (PHA) synthesis with heat pretreated waste sludge. *Waste Management*, **2018**, 82, 15-25	8.6	28
80	Effect of Fe3O4 nanoparticles on composition and spectroscopic characteristics of extracellular polymeric substances from activated sludge. *Process Biochemistry*, **2018**, 75, 212-220	4.8	19
79	Engineering synergetic CO-fixing pathways for malate production. *Metabolic Engineering*, **2018**, 47, 496-504	9.7	32
78	Photodegradation performance and mechanism of 4-nonylphenol by WO/TiO and TiO nanotube array photoelectrodes. *Environmental Technology (United Kingdom)*, **2017**, 38, 3084-3092	2.6	4

77	A recurrent neural network based health indicator for remaining useful life prediction of bearings. *Neurocomputing*, **2017**, 240, 98-109	5.4	517
76	Remaining Useful Life Prediction Based on a General Expression of Stochastic Process Models. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 5709-5718	8.9	59
75	Long-term impacts of titanium dioxide nanoparticles (TiO NPs) on performance and microbial community of activated sludge. *Bioresource Technology*, **2017**, 238, 361-368	11	44
74	Acetylation of Cavin-1 Promotes Lipolysis in White Adipose Tissue. *Molecular and Cellular Biology*, **2017**, 37,	4.8	8
73	Degradation and transformation of extracellular polymeric substances (EPS) and dissolved organic matters (DOM) during two-stage anaerobic digestion with waste sludge. *International Journal of Hydrogen Energy*, **2017**, 42, 9619-9629	6.7	39
72	Effect of Substrate Conversion on Performance of Microbial Fuel Cells and Anodic Microbial Communities. *Environmental Engineering Science*, **2017**, 34, 666-674	2	12
71	Impact of sulfadiazine on performance and microbial community of a sequencing batch biofilm reactor treating synthetic mariculture wastewater. *Bioresource Technology*, **2017**, 235, 122-130	11	50
70	Magnetic FeO nanoparticles induced effects on performance and microbial community of activated sludge from a sequencing batch reactor under long-term exposure. *Bioresource Technology*, **2017**, 225, 377-385	11	57
69	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. *Journal of Environmental Management*, **2017**, 187, 330-339	7.9	36
68	Effect of gradual-increasing aeration mode in an aerobic tank on nutrients Removal and functional microbial communities. *Environmental Technology (United Kingdom)*, **2017**, 38, 2621-2628	2.6	0
67	Impacts of silver nanoparticles on performance and microbial community and enzymatic activity of a sequencing batch reactor. *Journal of Environmental Management*, **2017**, 204, 667-673	7.9	15
66	Study on substrate metabolism process of saline waste sludge and its biological hydrogen production potential. *Environmental Science and Pollution Research*, **2017**, 24, 16383-16395	5.1	13
65	Performance evaluation and microbial community shift of a sequencing batch reactor under silica nanoparticles stress. *Bioresource Technology*, **2017**, 245, 673-680	11	8
64	Nitrogen and Phosphorus Removal Enhanced by Side Stream System and Functional Microbial Communities in an Anaerobic/Anoxic/Oxic Process. *Environmental Engineering Science*, **2017**, 34, 599-606	2	8
63	Synthesis of cytochrome c oxidase 1 (SCO1) inhibits insulin sensitivity by decreasing copper levels in adipocytes. *Biochemical and Biophysical Research Communications*, **2017**, 491, 814-820	3.4	2
62	Interaction of short-chain fatty acids carbon source on denitrification. *Environmental Technology (United Kingdom)*, **2017**, 38, 1915-1925	2.6	2
61	Effects of hydraulic retention time (HRT) on denitrification using waste activated sludge thermal hydrolysis liquid and acidogenic liquid as carbon sources. *Bioresource Technology*, **2017**, 224, 147-156	11	63
60	Long-term effects of nickel oxide nanoparticles on performance, microbial enzymatic activity, and microbial community of a sequencing batch reactor. *Chemosphere*, **2017**, 169, 387-395	8.4	15

59	Deep convolution feature learning for health indicator construction of bearings **2017**,		14
58	A Distance Metric Learning Based Health Indicator for Health Prognostics of Bearings **2017**,		2
57	Effect of salinity on nitrogen removal by simultaneous nitrification and denitrification in a sequencing batch biofilm reactor. *Desalination and Water Treatment*, **2016**, 57, 7378-7386		10
56	Structural and functional properties of organic matters in extracellular polymeric substances (EPS) and dissolved organic matters (DOM) after heat pretreatment with waste sludge. *Bioresource Technology*, **2016**, 219, 614-623	11	54
55	Performance evaluation and microbial community of a sequencing batch biofilm reactor (SBBR) treating mariculture wastewater at different chlortetracycline concentrations. *Journal of Environmental Management*, **2016**, 182, 496-504	7.9	29
54	Three-dimensional fluorescence excitation-emission matrix (EEM) spectroscopy with regional integration analysis for assessing waste sludge hydrolysis at different pretreated temperatures. *Environmental Science and Pollution Research*, **2016**, 23, 24061-24067	5.1	30
53	Acetylation of Mitochondrial Trifunctional Protein ɛSubunit Enhances Its Stability To Promote Fatty Acid Oxidation and Is Decreased in Nonalcoholic Fatty Liver Disease. *Molecular and Cellular Biology*, **2016**, 36, 2553-67	4.8	34
52	Enrichment and immobilization of sulfide removal microbiota applied for environmental biological remediation of aquaculture area. *Environmental Pollution*, **2016**, 214, 307-313	9.3	15
51	A Feature Extraction Method for Vibration Signal of Bearing Incipient Degradation. *Measurement Science Review*, **2016**, 16, 149-159	1.7	10
50	Long-term effects of ZnO nanoparticles on nitrogen and phosphorus removal, microbial activity and microbial community of a sequencing batch reactor. *Bioresource Technology*, **2016**, 216, 428-36	11	73
49	Performance comparison of biofilm and suspended sludge from a sequencing batch biofilm reactor treating mariculture wastewater under oxytetracycline stress. *Environmental Technology (United Kingdom)*, **2016**, 37, 2391-404	2.6	11
48	Extracellular polymeric substances, microbial activity and microbial community of biofilm and suspended sludge at different divalent cadmium concentrations. *Bioresource Technology*, **2016**, 205, 213-21	11	37
47	Partial nitrification and denitrification in a sequencing batch reactor treating high-salinity wastewater. *Chemical Engineering Journal*, **2016**, 288, 207-215	14.7	75
46	Preparation of graphene/TiO2 nanotube array photoelectrodes and their photocatalytic activity for the degradation of alachlor. *Catalysis Science and Technology*, **2016**, 6, 1892-1902	5.5	21
45	EFFECT OF DIFFERENT PRETREATMENTS ON BIO-HYDROGEN PRODUCTION FROM MARICULTURE ORGANIC WASTES (MOW). *Environmental Engineering and Management Journal*, **2016**, 15, 2545-2550	0.6	
44	Multifeatures Fusion and Nonlinear Dimension Reduction for Intelligent Bearing Condition Monitoring. *Shock and Vibration*, **2016**, 2016, 1-10	1.1	49
43	Comparison of multi-enzyme and thermophilic bacteria on the hydrolysis of mariculture organic waste (MOW). *Water Science and Technology*, **2016**, 73, 1978-85	2.2	0
42	BMP4 mediates the interplay between adipogenesis and angiogenesis during expansion of subcutaneous white adipose tissue. *Journal of Molecular Cell Biology*, **2016**, 8, 302-12	6.3	21

41	Characteristics of extracellular polymeric substances from sludge and biofilm in a simultaneous nitrification and denitrification system under high salinity stress. *Bioprocess and Biosystems Engineering*, **2016**, 39, 1375-89	3.7	29
40	Performance evaluation, microbial enzymatic activity and microbial community of a sequencing batch reactor under long-term exposure to cerium dioxide nanoparticles. *Bioresource Technology*, **2016**, 220, 262-270	11	41
39	BMP4 Cross-talks With Estrogen/ERβ Signaling to Regulate Adiposity and Glucose Metabolism in Females. *EBioMedicine*, **2016**, 11, 91-100	8.8	9
38	Performance and microbial community of a sequencing batch biofilm reactor treating synthetic mariculture wastewater under long-term exposure to norfloxacin. *Bioresource Technology*, **2016**, 222, 139-147	11	52
37	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. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 68, 275-280	5.3	24
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