Min Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

128 papers	3,813 citations	94269 37 h-index	174990 52 g-index
134 all docs	134 docs citations	134 times ranked	4012 citing authors

#	Article	IF	Citations
1	Changes of resistome, mobilome and potential hosts of antibiotic resistance genes during the transformation of anaerobic digestion from mesophilic to thermophilic. Water Research, 2016, 98, 261-269.	5.3	184
2	Rheological properties of sewage sludge during enhanced anaerobic digestion with microwave-H2O2 pretreatment. Water Research, 2016, 98, 98-108.	5.3	99
3	Anaerobic treatment of antibiotic production wastewater pretreated with enhanced hydrolysis: Simultaneous reduction of COD and ARGs. Water Research, 2017, 110, 211-217.	5.3	99
4	Upgrading of the symbiosis of Nitrosomanas and anammox bacteria in a novel single-stage partial nitritationâ€“anammox system: Nitrogen removal potential and Microbial characterization. Bioresource Technology, 2017, 244, 463-472.	4.8	85
5	Cancer risk assessment on trihalomethanes and haloacetic acids in drinking water of China using disability-adjusted life years. Journal of Hazardous Materials, 2014, 280, 288-294.	6.5	84
6	Monitoring of 943 organic micropollutants in wastewater from municipal wastewater treatment plants with secondary and advanced treatment processes. Journal of Environmental Sciences, 2018, 67, 309-317.	3.2	83
7	Physicochemical properties of antibiotics: A review with an emphasis on detection in the aquatic environment. Water Environment Research, 2020, 92, 177-188.	1.3	77
8	Occurrence and profiling of multiple nitrosamines in source water and drinking water of China. Science of the Total Environment, 2016, 551-552, 489-495.	3.9	71
9	Relationship between perfluorooctanoate and perfluorooctane sulfonate blood concentrations in the general population and routine drinking water exposure. Environment International, 2019, 126, 54-60.	4.8	69
10	Optimization of MBR hydrodynamics for cake layer fouling control through CFD simulation and RSM design. Bioresource Technology, 2017, 227, 102-111.	4.8	67
11	New Insights into Trihalomethane and Haloacetic Acid Formation Potentials: Correlation with the Molecular Composition of Natural Organic Matter in Source Water. Environmental Science & Technology, 2017, 51, 2015-2021.	4.6	66
12	Characterization of Bacterial Communities and Their Antibiotic Resistance Profiles in Wastewaters Obtained from Pharmaceutical Facilities in Lagos and Ogun States, Nigeria. International Journal of Environmental Research and Public Health, 2018, 15, 1365.	1.2	64
13	Abundance and distribution of Macrolide-Lincosamide-Streptogramin resistance genes in an anaerobic-aerobic system treating spiramycin production wastewater. Water Research, 2014, 63, 33-41.	5.3	63
14	Sludge bulking impact on relevant bacterial populations in a full-scale municipal wastewater treatment plant. Process Biochemistry, 2014, 49, 2258-2265.	1.8	63
15	Key factors governing the performance and microbial community of one-stage partial nitritation and anammox system with bio-carriers and airlift circulation. Bioresource Technology, 2021, 324, 124668.	4.8	62
16	Virus removal performance and mechanism of a submerged membrane bioreactor. Process Biochemistry, 2006, 41, 299-304.	1.8	57
17	High Concentrations of the Antibiotic Spiramycin in Wastewater Lead to High Abundance of Ammonia-Oxidizing Archaea in Nitrifying Populations. Environmental Science & Technology, 2015, 49, 9124-9132.	4.6	57
18	Simultaneous removal of multiple odorants from source water suffering from septic and musty odors: Verification in a full-scale water treatment plant with ozonation. Water Research, 2016, 100, 1-6.	5.3	56

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19	Ultrasonic washing for oily sludge treatment in pilot scale. Ultrasonics, 2018, 90, 1-4.	2.1	54
20	Biotransformation of nitrogen- and sulfur-containing pollutants during coking wastewater treatment: Correspondence of performance to microbial community functional structure. Water Research, 2017, 121, 338-348.	5.3	52
21	Deciphering the factors influencing the discrepant fate of antibiotic resistance genes in sludge and water phases during municipal wastewater treatment. Bioresource Technology, 2018, 265, 310-319.	4.8	51
22	Occurrence of odor problems in drinking water of major cities across China. Frontiers of Environmental Science and Engineering, 2014, 8, 411-416.	3.3	48
23	Promoting bidirectional extracellular electron transfer of Shewanella oneidensis MRâ€1 for hexavalent chromium reduction via elevating intracellular cAMP level. Biotechnology and Bioengineering, 2020, 117, 1294-1303.	1.7	48
24	Occurrences and Behaviors of Naphthenic Acids in a Petroleum Refinery Wastewater Treatment Plant. Environmental Science & Technology, 2015, 49, 5796-5804.	4.6	46
25	Unveiling performance stability and its recovery mechanisms of one-stage partial nitritation-anammox process with airlift enhanced micro-granules. Bioresource Technology, 2021, 330, 124961.	4.8	46
26	Enhancing autotrophic nitrogen removal with a novel dissolved oxygen-differentiated airlift internal circulation reactor: Long-term operational performance and microbial characteristics. Journal of Environmental Management, 2021, 296, 113271.	3.8	46
27	Comparison of micropollutants' removal performance between pre-ozonation and post-ozonation using a pilot study. Water Research, 2017, 111, 147-153.	5.3	45
28	Distribution and Abundance of Antibiotic Resistance Genes in Sand Settling Reservoirs and Drinking Water Treatment Plants across the Yellow River, China. Water (Switzerland), 2018, 10, 246.	1.2	45
29	Detection of Viable Bacteria during Sludge Ozonation by the Combination of ATP Assay with PMA-Miseq Sequencing. Water (Switzerland), 2017, 9, 166.	1.2	43
30	Addition of hydrogen peroxide for the simultaneous control of bromate and odor during advanced drinking water treatment using ozone. Journal of Environmental Sciences, 2014, 26, 550-554.	3.2	41
31	Comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry for the screening of potent swampy/septic odor-causing compounds in two drinking water sources in China. Analytical Methods, 2015, 7, 2458-2468.	1.3	41
32	Chronic impacts of oxytetracycline on mesophilic anaerobic digestion of excess sludge: Inhibition of hydrolytic acidification and enrichment of antibiotic resistome. Environmental Pollution, 2018, 238, 1017-1026.	3.7	41
33	Characteristics of ARG-carrying plasmidome in the cultivable microbial community from wastewater treatment system under high oxytetracycline concentration. Applied Microbiology and Biotechnology, 2018, 102, 1847-1858.	1.7	41
34	Characterization and adsorption performance of Zrâ€doped akaganÃ©ite for efficient arsenic removal. Journal of Chemical Technology and Biotechnology, 2013, 88, 629-635.	1.6	40
35	Ultrafiltration membrane fouling induced by humic acid with typical inorganic salts. Chemosphere, 2018, 197, 793-802.	4.2	40
36	Impact hotspots of reduced nutrient discharge shift across the globe with population and dietary changes. Nature Communications, 2019, 10, 2627.	5.8	40

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37	Minimum influent concentrations of oxytetracycline, streptomycin and spiramycin in selecting antibiotic resistance in biofilm type wastewater treatment systems. Science of the Total Environment, 2020, 720, 137531.	3.9	40
38	Characterization of brominated disinfection byproducts formed during chloramination of fulvic acid in the presence of bromide. Science of the Total Environment, 2018, 627, 118-124.	3.9	39
39	A comprehensive insight into the effects of microwave-H2O2 pretreatment on concentrated sewage sludge anaerobic digestion based on semi-continuous operation. Bioresource Technology, 2018, 256, 118-127.	4.8	39
40	Impact of oxytetracycline on anaerobic wastewater treatment and mitigation using enhanced hydrolysis pretreatment. Water Research, 2020, 187, 116408.	5.3	39
41	Insights into the synergy between functional microbes and dissolved oxygen partition in the single-stage partial nitritation-anammox granules system. Bioresource Technology, 2022, 347, 126364.	4.8	39
42	Decentralized wastewater treatment technologies and management in Chinese villages. Frontiers of Environmental Science and Engineering, 2014, 8, 929-936.	3.3	38
43	Control strategy for filamentous sludge bulking: Bench-scale test and full-scale application. Chemosphere, 2018, 210, 709-716.	4.2	37
44	Molecular characterization of effluent organic matter in secondary effluent and reclaimed water: Comparison to natural organic matter in source water. Journal of Environmental Sciences, 2018, 63, 140-146.	3.2	35
45	Contribution of phthalates and phthalate monoesters from drinking water to daily intakes for the general population. Chemosphere, 2019, 229, 125-131.	4.2	35
46	Succession and interaction of surface and subsurface cyanobacterial blooms in oligotrophic/mesotrophic reservoirs: A case study in Miyun Reservoir. Science of the Total Environment, 2019, 649, 1553-1562.	3.9	34
47	High-Throughput Single-Cell Technology Reveals the Contribution of Horizontal Gene Transfer to Typical Antibiotic Resistance Gene Dissemination in Wastewater Treatment Plants. Environmental Science & Technology, 2021, 55, 11824-11834.	4.6	33
48	The potential role of â€˜Candidatus Microthrix parvicellaâ€™ in phosphorus removal during sludge bulking in two full-scale enhanced biological phosphorus removal plants. Water Science and Technology, 2014, 70, 367-375.	1.2	32
49	Source-water odor during winter in the Yellow River area of China: Occurrence and diagnosis. Environmental Pollution, 2016, 218, 252-258.	3.7	32
50	Identification of complex septic odorants in Huangpu River source water by combining the data from gas chromatography-olfactometry and comprehensive two-dimensional gas chromatography using retention indices. Science of the Total Environment, 2016, 556, 36-44.	3.9	32
51	Scientific studies on microplastics pollution in Iran: An in-depth review of the published articles. Marine Pollution Bulletin, 2021, 162, 111901.	2.3	32
52	Novel Transposon Tn6433 Variants Accelerate the Dissemination of tet(E) in Aeromonas in an Aerobic Biofilm Reactor under Oxytetracycline Stresses. Environmental Science & Technology, 2020, 54, 6781-6791.	4.6	30
53	Thermophilic anaerobic digestion reduces ARGs in excess sludge even under high oxytetracycline concentrations. Chemosphere, 2019, 222, 305-313.	4.2	28
54	Synthesis and evaluation of activated carbon/nanoclay/ thiolated graphene oxide nanocomposite for lead(II) removal from aqueous solution. Water Science and Technology, 2019, 79, 466-479.	1.2	28

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55	Emerging concerns of VOCs and SVOCs in coking wastewater treatment processes: Distribution profile, emission characteristics, and health risk assessment. Environmental Pollution, 2020, 265, 114960.	3.7	28
56	Reducing production of taste and odor by deep-living cyanobacteria in drinking water reservoirs by regulation of water level. Science of the Total Environment, 2017, 574, 1477-1483.	3.9	27
57	Factors affecting the growth of Microthrix parvicella: Batch tests using bulking sludge as seed sludge. Science of the Total Environment, 2017, 609, 1192-1199.	3.9	26
58	Developmental dynamics of antibiotic resistome in aerobic biofilm microbiota treating wastewater under stepwise increasing tigecycline concentrations. Environment International, 2019, 131, 105008.	4.8	26
59	Effects of hydraulic retention time on nitrification activities and population dynamics of a conventional activated sludge system. Frontiers of Environmental Science and Engineering, 2013, 7, 43-48.	3.3	25
60	Effects of aeration on matrix temperature by infrared thermal imager and computational fluid dynamics during sludge bio-drying. Water Research, 2017, 122, 317-328.	5.3	25
61	Preparation of Interconnected Biomimetic Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (fluoride-co-c Inversion Process. ACS Applied Materials & Interfaces, 2016, 8, 32604-32615.	4.0	24
62	Numerical optimization of membrane module design and operation for a full-scale submerged MBR by computational fluid dynamics. Bioresource Technology, 2018, 269, 300-308.	4.8	24
63	Degradation of kanamycin from production wastewater with high-concentration organic matrices by hydrothermal treatment. Journal of Environmental Sciences, 2020, 97, 11-18.	3.2	24
64	The role of in situ Fenton coagulation on the removal of benzoic acid. Chemosphere, 2020, 238, 124632.	4.2	23
65	Modifying glass fiber surface with grafting acrylamide by UV-grafting copolymerization for preparation of glass fiber reinforced PVDF composite membrane. Journal of Environmental Sciences, 2016, 39, 208-217.	3.2	22
66	Improvement of Biodegradability of Oil Field Drilling Wastewater Using Ozone. Ozone: Science and Engineering, 2004, 26, 309-315.	1.4	21
67	Characteristics of microbial community functional structure of a biological coking wastewater treatment system. Journal of Environmental Sciences, 2018, 63, 105-115.	3.2	21
68	Ammonia stress decreased biomarker genes of acetoclastic methanogenesis and second peak of production rates during anaerobic digestion of swine manure. Bioresource Technology, 2020, 317, 124012.	4.8	21
69	Dynamics of class 1 integrons in aerobic biofilm reactors spiked with antibiotics. Environment International, 2020, 140, 105816.	4.8	21
70	Fish larval deformity caused by aldehydes and unknown byproducts in ozonated effluents from municipal wastewater treatment systems. Water Research, 2014, 66, 423-429.	5.3	20
71	Characterization of unknown iodinated disinfection byproducts during chlorination/chloramination using ultrahigh resolution mass spectrometry. Science of the Total Environment, 2016, 554-555, 83-88.	3.9	20
72	Advanced oxidation of bromide-containing drinking water: A balance between bromate and trihalomethane formation control. Journal of Environmental Sciences, 2013, 25, 2169-2176.	3.2	19

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73	Quantitative Microbial Risk Assessment to Estimate the Health Risk in Urban Drinking Water Systems of Mysore, Karnataka, India. Water Quality, Exposure, and Health, 2015, 7, 331-338.	1.5	19
74	Preparation and characterization of PVDF-glass fiber composite membrane reinforced by interfacial UV-grafting copolymerization. Journal of Environmental Sciences, 2015, 38, 24-35.	3.2	19
75	CFD simulation and optimization of membrane scouring and nitrogen removal for an airlift external circulation membrane bioreactor. Bioresource Technology, 2016, 219, 566-575.	4.8	19
76	Culture-based study on the development of antibiotic resistance in a biological wastewater system treating stepwise increasing doses of streptomycin. AMB Express, 2018, 8, 12.	1.4	19
77	Abundance and distribution of antibiotic resistance genes in a full-scale anaerobicâ€“aerobic system alternately treating ribostamycin, spiramycin and paromomycin production wastewater. Environmental Geochemistry and Health, 2017, 39, 1595-1605.	1.8	18
78	Effectively remediating spiramycin from production wastewater through hydrolyzing its functional groups using solid superacid TiO2/SO4. Environmental Research, 2019, 175, 393-401.	3.7	18
79	Numerical simulation on the effects of bubble size and internal structure on flow behavior in a DAF tank: A comparative study of CFD and CFD-PBM approach. Chemical Engineering Journal Advances, 2021, 7, 100131.	2.4	18
80	Dual inner circulation and multi-partition driving single-stage autotrophic nitrogen removal in a bioreactor. Bioresource Technology, 2022, 355, 127261.	4.8	18
81	Influence of carbon sources on nutrient removal in A 2 /O-MBRs: Availability assessment of internal carbon source. Journal of Environmental Sciences, 2016, 48, 59-68.	3.2	17
82	Bio-kinetics evaluation and batch modeling of the anammox mixed culture in UASB and EGSB reactors: batch performance comparison and kinetic model assessment. RSC Advances, 2016, 6, 3487-3500.	1.7	16
83	Risk assessment of Giardia from a full scale MBR sewage treatment plant caused by membrane integrity failure. Journal of Environmental Sciences, 2015, 30, 252-258.	3.2	15
84	Quantitative method to determine the regional drinking water odorant regulation goals based on odor sensitivity distribution: Illustrated using 2-MIB. Journal of Environmental Sciences, 2014, 26, 1389-1394.	3.2	14
85	ARGA, a pipeline for primer evaluation on antibiotic resistance genes. Environment International, 2019, 128, 137-145.	4.8	14
86	Preparation and adsorption mechanism of rare earth-doped adsorbent for arsenic(V) removal from groundwater. Science in China Series B: Chemistry, 2003, 46, 252-258.	0.8	13
87	Occurrence of Arsenic in Groundwater in the Suburbs of Beijing and its Removal Using an Iron-Cerium Bimetal Oxide Adsorbent. Water Quality Research Journal of Canada, 2006, 41, 140-146.	1.2	13
88	Development and application of innovative technologies for drinking water quality assurance in China. Frontiers of Environmental Science and Engineering in China, 2007, 1, 257-269.	0.8	13
89	Cleavage of the main carbon chain backbone of high molecular weight polyacrylamide by aerobic and anaerobic biological treatment. Chemosphere, 2017, 189, 277-283.	4.2	13
90	Numerical simulation of scaling-up for AEC-MBRs regarding membrane module configurations and cyclic aeration modes. Bioresource Technology, 2017, 245, 933-943.	4.8	13

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91	Optimization and validation of headspace solid-phase microextraction method coupled with gas chromatographyâ€“triple quadrupole tandem mass spectrometry for simultaneous determination of volatile and semi-volatile organic compounds in coking wastewater treatment plant. Environmental Monitoring and Assessment, 2019, 191, 411.	1.3	13
92	Pilot Performance of Chemical Demulsifier on the Demulsification of Produced Water from Polymer/Surfactant Flooding in the Xinjiang Oilfield. Water (Switzerland), 2018, 10, 1874.	1.2	12
93	Prevalence and characterization of oxazolidinone and phenicol cross-resistance gene optrA in enterococci obtained from anaerobic digestion systems treating swine manure. Environmental Pollution, 2020, 267, 115540.	3.7	12
94	Effect of temperature on the persistence of fecal bacteria in ambient anaerobic digestion systems treating swine manure. Science of the Total Environment, 2021, 791, 148302.	3.9	12
95	Comparison of conventional and inverted A2/O processes: Phosphorus release and uptake behaviors. Journal of Environmental Sciences, 2012, 24, 571-578.	3.2	11
96	Importance of underwater light field in selecting phytoplankton morphology in a eutrophic reservoir. Hydrobiologia, 2014, 724, 203-216.	1.0	11
97	Identification of MIB producers and odor risk assessment using routine data: A case study of an estuary drinking water reservoir. Water Research, 2021, 192, 116848.	5.3	11
98	Microbial Community Comparison of Different Biological Processes for Treating the Same Sewage. World Journal of Microbiology and Biotechnology, 2007, 23, 135-143.	1.7	10
99	Effect of inorganic salts on ferric oxalateâ€induced decomposition of CI Acid Black 234 under different weather conditions. Coloration Technology, 2008, 124, 19-26.	0.7	10
100	Estimation and spatial analysis of water pollution loads from towns in China. International Journal of Sustainable Development and World Ecology, 2011, 18, 219-225.	3.2	10
101	Impacts of produced water origin on bacterial community structures of activated sludge. Journal of Environmental Sciences, 2015, 37, 192-199.	3.2	10
102	Rapid thermal-acid hydrolysis of spiramycin by silicotungstic acid under microwave irradiation. Environmental Pollution, 2019, 249, 36-44.	3.7	10
103	Dark co-fermentation of rice straw and pig manure for biohydrogen production: effects of different inoculum pretreatments and substrate mixing ratio. Environmental Technology (United Kingdom), 2021, 42, 4539-4549.	1.2	10
104	Ecological niche and in-situ control of MIB producers in source water. Journal of Environmental Sciences, 2021, 110, 119-128.	3.2	10
105	Potential dissemination mechanism of the tetC gene in Aeromonas media from the aerobic biofilm reactor under oxytetracycline stresses. Journal of Environmental Sciences, 2021, 105, 90-99.	3.2	9
106	Water environment protection and sustainable development in townlet of China: A case study in Taicang. Journal of Environmental Sciences, 2021, 110, 129-139.	3.2	9
107	The elimination of cell-associated and non-cell-associated antibiotic resistance genes during membrane filtration processes: A review. Science of the Total Environment, 2022, 833, 155250.	3.9	9
108	Genetic characterization and potential molecular dissemination mechanism of tet(31) gene in Aeromonas caviae from an oxytetracycline wastewater treatment system. Journal of Environmental Sciences, 2019, 76, 259-266.	3.2	8

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109	Enhanced anaerobic performance and SMD process in treatment of sulfate and organic S-rich TMBA manufacturing wastewater by micro-electric fieldâ€“zero valent iron-UASB. Journal of Hazardous Materials, 2019, 379, 120695.	6.5	8
110	Biodegradation of low molecular weight polyacrylamide under aerobic and anaerobic conditions: effect of the molecular weight. Water Science and Technology, 2020, 81, 301-308.	1.2	8
111	Occurrence and transfer characteristics of blaCTX-M genes among Escherichia coli in anaerobic digestion systems treating swine waste. Science of the Total Environment, 2022, 834, 155321.	3.9	8
112	Simulation and optimization of nanomaterials application for heavy metal removal from aqueous solutions. Inorganic and Nano-Metal Chemistry, 2019, 49, 217-230.	0.9	7
113	Isolation and Genomic Characterization of an Acinetobacter johnsonii Bacteriophage AJO2 From Bulking Activated Sludge. Frontiers in Microbiology, 2019, 10, 266.	1.5	7
114	Quick Response to 2â€MIB Episodes Based on Native Population Odor Sensitivity Evaluation. Clean - Soil, Air, Water, 2014, 42, 1179-1184.	0.7	5
115	Pretreatment of spiramycin fermentation residue using hyperthermophilic digestion: quick startup and performance. Water Science and Technology, 2018, 78, 1823-1832.	1.2	5
116	Monitoring, isolation and characterization of Microthrix parvicella strains from a Chinese wastewater treatment plant. Water Science and Technology, 2019, 79, 1406-1416.	1.2	5
117	Long-term trends of fluorotelomer alcohols in a wastewater treatment plant impacted by textile manufacturing industry. Chemosphere, 2022, 299, 134442.	4.2	5
118	Effects and Mechanism of Pre-ozonation on Sand Filtration Performance. Ozone: Science and Engineering, 2011, 33, 66-73.	1.4	4
119	Performance and Yeast Tracking in A Full-Scale Oil-Containing Paromomycin Production Wastewater Treatment System Using Yeast. Water (Switzerland), 2017, 9, 295.	1.2	3
120	Extended Fenton's process: toward improving biodegradability of drilling wastewater. Water Science and Technology, 2019, 79, 1790-1797.	1.2	3
121	Removal of denatured protein particles enhanced UASB treatment of oxytetracycline production wastewater. Science of the Total Environment, 2022, 816, 151549.	3.9	3
122	Application of the hydrothermally treated oxytetracycline fermentation residue in agriculture: concentrations of antibiotic and resistance genes in soil and plant. Journal of Soils and Sediments, 2022, 22, 1095-1104.	1.5	3
123	Simulation of long-term nutrient removal in a full-scale closed-loop bioreactor for sewage treatment: an example of Bayesian inference. Frontiers of Environmental Science and Engineering, 2015, 9, 534-544.	3.3	2
124	Changes of flooding reagents' properties under simulated high temperature/pressure conditions in oil reservoirs and their impact on emulsion stability. RSC Advances, 2019, 9, 16044-16048.	1.7	2
125	Oil/Water Interfacial Destabilization of Floated Oily Sludge Based on the Catalytic Decomposition of H₂O₂ Induced by Interfacial-Active Complexes. ACS ES&T Engineering, 2021, 1, 55-65.	3.7	2
126	Model-Based Solution for Upgrading Nitrogen Removal for a Full-Scale Municipal Wastewater Treatment Plant with CASS Process. Processes, 2021, 9, 527.	1.3	2

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127	Byproducts of aqueous chlorination of equol and their estrogenic potencies. Chemosphere, 2018, 212, 393-399.	4.2	1
128	Exploring an alternative source of DIETer to mitigate ammonia inhibition of swine manure by inoculum treating brewery wastewater. Biomass Conversion and Biorefinery, 0, , 1.	2.9	0