

Yan Zhou

List of Publications by Year in descending order

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175
papers

8,411
citations

47006

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58581

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177
all docs

177
docs citations

177
times ranked

7400
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hydrodynamic conditions on the formation and structure of aerobic granular sludge performing enhanced biological phosphorus removal. <i>Water and Environment Journal</i> , 2022, 36, 56-66.	2.2	4
2	Effects of sludge thermal hydrolysis pretreatment on anaerobic digestion and downstream processes: mechanism, challenges and solutions. <i>Bioresource Technology</i> , 2022, 344, 126248.	9.6	45
3	Effect of sludge retention time on microbial succession and assembly in thermal hydrolysis pretreated sludge digesters: Deterministic versus stochastic processes. <i>Water Research</i> , 2022, 209, 117900.	11.3	30
4	Mainstream nitrogen removal in membrane aerated biofilm reactor at minimal lumen pressure. <i>Science of the Total Environment</i> , 2022, 818, 151758.	8.0	7
5	NOB suppression strategies in a mainstream membrane aerated biofilm reactor under exceptionally low lumen pressure. <i>Chemosphere</i> , 2022, 290, 133386.	8.2	16
6	Reduction of refractory Maillard reaction products by Fe ³⁺ during thermal hydrolysis pretreatment and enhanced sludge biodegradability. <i>Journal of Hazardous Materials</i> , 2022, 430, 128400.	12.4	15
7	Effect of Sodium on Methanogens in a Two-Stage Anaerobic System. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 956.	2.5	5
8	Mitigation of inhibitory effect of THP-AD centrate on partial nitrification and anammox: Insights into ozone pretreatment. <i>Journal of Hazardous Materials</i> , 2022, 431, 128599.	12.4	4
9	Responses of mesophilic anaerobic sludge microbiota to thermophilic conditions: Implications for start-up and operation of thermophilic THP-AD systems. <i>Water Research</i> , 2022, 216, 118332.	11.3	17
10	Metagenomic assembled genomes unravel purple non-sulfur bacteria (PNSB) involved in integrating C, N, P biotransformation. <i>Science of the Total Environment</i> , 2022, 830, 154591.	8.0	4
11	Iron-based advanced oxidation processes for enhancing sludge dewaterability: State of the art, challenges, and sludge reuse. <i>Water Research</i> , 2022, 218, 118499.	11.3	56
12	Integrated thermal hydrolysis pretreated anaerobic digestion centrate and municipal wastewater treatment via partial nitrification/anammox process: A promising approach to alleviate inhibitory effects and enhance nitrogen removal. <i>Bioresource Technology</i> , 2022, 356, 127310.	9.6	8
13	A potential phosphorus fertilizer to alleviate the coming "phosphorus crisis" biochar derived from enhanced biological phosphorus removal sludge. <i>Science of the Total Environment</i> , 2022, 838, 156559.	8.0	10
14	Single-cell protein production using anaerobic digestate. , 2022, , 343-358.		0
15	Genome-centric metagenomics analysis revealed the metabolic function of abundant microbial communities in thermal hydrolysis-assisted thermophilic anaerobic digesters under propionate stress. <i>Bioresource Technology</i> , 2022, 360, 127574.	9.6	12
16	Coupling anammox with heterotrophic denitrification for enhanced nitrogen removal: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 2260-2293.	12.8	86
17	Interaction of perfluorooctanoic acid with extracellular polymeric substances - Role of protein. <i>Journal of Hazardous Materials</i> , 2021, 401, 123381.	12.4	49
18	Effects of Fe(II) on anammox community activity and physiologic response. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	23

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19	Insights into thermal hydrolyzed sludge liquor - Identification of plant-growth-promoting compounds. <i>Journal of Hazardous Materials</i> , 2021, 403, 123650.	12.4	12
20	Integrated powdered activated carbon and quorum quenching strategy for biofouling control in industrial wastewater membrane bioreactor. <i>Journal of Cleaner Production</i> , 2021, 279, 123551.	9.3	15
21	Enhancement of polychlorinated biphenyl biodegradation by resuscitation promoting factor (Rpf) and Rpf-responsive bacterial community. <i>Chemosphere</i> , 2021, 263, 128283.	8.2	55
22	<i>DeFluviicoccus vanus</i> Glycogen-Accumulating Organisms (GAOs) Are Less Competitive Than Polyphosphate-Accumulating Organisms (PAOs) at High Temperature. <i>ACS ES&T Water</i> , 2021, 1, 319-327.	4.6	11
23	In-situ alkaline enhanced two-stage anaerobic digestion system for waste cooking oil and sewage sludge co-digestion. <i>Waste Management</i> , 2021, 120, 221-229.	7.4	15
24	A novel strategy for enhancing anaerobic biodegradation of an anthraquinone dye reactive blue 19 with resuscitation-promoting factors. <i>Chemosphere</i> , 2021, 263, 127922.	8.2	44
25	Raw biomass electroreforming coupled to green hydrogen generation. <i>Nature Communications</i> , 2021, 12, 2008.	12.8	104
26	Surveillance of Wastewater for Early Epidemic Prediction (SWEEP): Environmental and health security perspectives in the post COVID-19 Anthropocene. <i>Environmental Research</i> , 2021, 195, 110831.	7.5	30
27	Measure microbial activity driven oxygen transfer in membrane aerated biofilm reactor from supply side. <i>Environmental Research</i> , 2021, 195, 110845.	7.5	6
28	Pathways and Mechanisms of Single-Cell Protein Production: Carbon and Nutrient Transformation. <i>ACS ES&T Water</i> , 2021, 1, 1313-1320.	4.6	1
29	Butyrate can support PAOs but not GAOs in tropical climates. <i>Water Research</i> , 2021, 193, 116884.	11.3	17
30	Thermal hydrolyzed food waste liquor as liquid organic fertilizer. <i>Science of the Total Environment</i> , 2021, 775, 145786.	8.0	22
31	Pyrite assisted peroxydisulfate sludge conditioning: Uncover triclosan transformation during treatment. <i>Journal of Hazardous Materials</i> , 2021, 413, 125368.	12.4	23
32	Biomass enhances the reduction of oxidized pellets with carbon monoxide. <i>Bioresource Technology</i> , 2021, 331, 124973.	9.6	5
33	Viable but Nonculturable State of Yeast <i>Candida</i> sp. Strain LN1 Induced by High Phenol Concentrations. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0111021.	3.1	45
34	Water and environment innovation in Singapore and China. <i>Water and Environment Journal</i> , 2021, 35, 863-864.	2.2	0
35	Challenges of THP-AD centrate treatment using partial nitrification-anammox (PN/A) "inhibition, biomass washout, low alkalinity, recalcitrant and more. <i>Water Research</i> , 2021, 203, 117555.	11.3	27
36	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

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37	Bayesian LSTM With Stochastic Variational Inference for Estimating Model Uncertainty in Process-Based Hydrological Models. <i>Water Resources Research</i> , 2021, 57, e2021WR029772.	4.2	29
38	Triclosan transformation and impact on an elemental sulfur-driven sulfidogenic process. <i>Chemical Engineering Journal</i> , 2021, 421, 129634.	12.7	12
39	Metagenomic insights into the effect of thermal hydrolysis pre-treatment on microbial community of an anaerobic digestion system. <i>Science of the Total Environment</i> , 2021, 791, 148096.	8.0	31
40	Unveiling the role of activated carbon on hydrolysis process in anaerobic digestion. <i>Bioresource Technology</i> , 2020, 296, 122366.	9.6	28
41	Biotransformation of phosphorus in enhanced biological phosphorus removal sludge biochar. <i>Water Research</i> , 2020, 169, 115255.	11.3	18
42	Enhanced power generation in microbial fuel cell by an agonist of electroactive biofilm "Sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2020, 384, 123238.	12.7	36
43	Observation of the interactions of silver nanoparticles (AgNPs) mediated by acid in the aquatic matrices using in-situ liquid cell transmission electron microscopy. <i>Analytica Chimica Acta</i> , 2020, 1104, 47-52.	5.4	1
44	Interactive influence of extracellular polymeric substances (EPS) and electrolytes on the colloidal stability of silver nanoparticles. <i>Environmental Science: Nano</i> , 2020, 7, 186-197.	4.3	22
45	Micro-level evaluation of organic compounds transformation in anaerobic digestion under feast and famine conditions assisted by iron-based materials "Revealing the true mechanism of AD enhancement. <i>Environment International</i> , 2020, 135, 105362.	10.0	14
46	Protein recovery from sludge: A review. <i>Journal of Cleaner Production</i> , 2020, 249, 119373.	9.3	47
47	Distinct mechanisms in the heteroaggregation of silver nanoparticles with mineral and microbial colloids. <i>Water Research</i> , 2020, 170, 115332.	11.3	18
48	Organics transformation and energy production potential in a high rate A-stage system: A demo-scale study. <i>Bioresource Technology</i> , 2020, 295, 122300.	9.6	20
49	Enhanced volatile fatty acid production and microbial population analysis in anaerobic treatment of high strength wastewater. <i>Journal of Water Process Engineering</i> , 2020, 33, 101058.	5.6	35
50	Primary sludge as solid carbon source for biological denitrification: System optimization at micro-level. <i>Environmental Research</i> , 2020, 191, 110160.	7.5	16
51	Quorum quenching altered microbial diversity and activity of anaerobic membrane bioreactor (AnMBR) and enhanced methane generation. <i>Bioresource Technology</i> , 2020, 315, 123862.	9.6	32
52	Biological conversion of sulfamethoxazole in an autotrophic denitrification system. <i>Water Research</i> , 2020, 185, 116156.	11.3	50
53	Resuscitation, isolation and immobilization of bacterial species for efficient textile wastewater treatment: A critical review and update. <i>Science of the Total Environment</i> , 2020, 730, 139034.	8.0	70
54	A Specious Correlation between Sludge Rheology and Dewaterability. <i>Environmental Science & Technology</i> , 2020, 54, 5928-5930.	10.0	11

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55	Trace determination of eleven natural estrogens and insights from their occurrence in a municipal wastewater treatment plant and river water. <i>Water Research</i> , 2020, 182, 115976.	11.3	40
56	Development of a denitrification system using primary sludge as solid carbon source “ Potential to couple with anammox process. <i>Science of the Total Environment</i> , 2020, 737, 140315.	8.0	17
57	The impact of temperature on the metabolism of volatile fatty acids by polyphosphate accumulating organisms (PAOs). <i>Environmental Research</i> , 2020, 188, 109729.	7.5	20
58	Mechanistic insights into a novel nitrilotriacetic acid-Fe0 and CaO2 process for efficient anaerobic digestion sludge dewatering at near-neutral pH. <i>Water Research</i> , 2020, 184, 116149.	11.3	43
59	Direct interspecies electron transfer (DIET) can be suppressed under ammonia-stressed condition “ Reevaluate the role of conductive materials. <i>Water Research</i> , 2020, 183, 116094.	11.3	61
60	Profiling of amino acids and their interactions with proteinaceous compounds for sewage sludge dewatering by Fenton oxidation treatment. <i>Water Research</i> , 2020, 175, 115645.	11.3	45
61	Liquid and solids separation for target resource recovery from thermal hydrolyzed sludge. <i>Water Research</i> , 2020, 171, 115476.	11.3	24
62	The selective pressure of quorum quenching on microbial communities in membrane bioreactors. <i>Chemosphere</i> , 2020, 247, 125953.	8.2	25
63	Effective biological nitrogen process and nitrous oxide emission characteristics for the treatment of landfill leachate with low carbon-to-nitrogen ratio. <i>Journal of Cleaner Production</i> , 2020, 268, 122289.	9.3	16
64	New direction in biological nitrogen removal from industrial nitrate wastewater via anammox. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7459-7466.	3.6	42
65	The presence of ferrihydrite enhances greenhouse gas-methane emission in the environment. <i>Science of the Total Environment</i> , 2019, 688, 462-469.	8.0	10
66	The interaction between ionic liquids (ILs) and an enriched ammonia oxidising bacteria (AOB) culture. <i>Chemosphere</i> , 2019, 235, 842-848.	8.2	2
67	Wastewater treatment and recycle from a semiconductor industry: A demo-plant study. <i>Water Practice and Technology</i> , 2019, 14, 371-379.	2.0	13
68	Process optimization for simultaneous antibiotic removal and precious metal recovery in an energy neutral process. <i>Science of the Total Environment</i> , 2019, 695, 133914.	8.0	16
69	Mitigation of membrane fouling in a seawater-driven forward osmosis system for waste activated sludge thickening. <i>Journal of Cleaner Production</i> , 2019, 241, 118373.	9.3	21
70	Denitrifiers in Mainstream Anammox Processes: Competitors or Supporters?. <i>Environmental Science & Technology</i> , 2019, 53, 11063-11065.	10.0	38
71	Long term impact of surfactants & polymers on the colloidal stability, aggregation and dissolution of silver nanoparticles. <i>Environmental Research</i> , 2019, 179, 108781.	7.5	26
72	New insights on the sludge fermentation liquid driven denitrification: Evaluation of the system performance and effluent organic matter (EfOM). <i>Bioresource Technology</i> , 2019, 289, 121621.	9.6	29

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73	Low-temperature-steam activation of phosphorus in biochar derived from enhanced biological phosphorus removal (EBPR) sludge. <i>Water Research</i> , 2019, 161, 202-210.	11.3	22
74	The role of ammonium oxidising bacteria (AOB) in ionic liquid 1-dodecylpyridinium chloride removal. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4595-4604.	3.6	3
75	Characterization of the refractory dissolved organic matters (rDOM) in sludge alkaline fermentation liquid driven denitrification: Effect of HRT on their fate and transformation. <i>Water Research</i> , 2019, 159, 135-144.	11.3	78
76	The interactive effects of ammonia and carbon nanotube on anaerobic digestion. <i>Chemical Engineering Journal</i> , 2019, 372, 332-340.	12.7	41
77	Quorum quenching in anaerobic membrane bioreactor for fouling control. <i>Water Research</i> , 2019, 156, 159-167.	11.3	91
78	Concentration dependent effect of humic acid on the transformations of silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 284, 291-299.	4.9	23
79	Differential transformation and antibacterial effects of silver nanoparticles in aerobic and anaerobic environment. <i>Nanotoxicology</i> , 2019, 13, 339-353.	3.0	8
80	In-situ power generation and nutrients recovery from waste activated sludge “ Long-term performance and system optimization. <i>Chemical Engineering Journal</i> , 2019, 361, 1207-1214.	12.7	22
81	Comparison of nitrous oxide emission between a partial and full nitrification enriched ammonia-oxidising culture. <i>Chemosphere</i> , 2019, 220, 974-982.	8.2	8
82	Impact of pH on the stability, dissolution and aggregation kinetics of silver nanoparticles. <i>Chemosphere</i> , 2019, 216, 297-305.	8.2	153
83	Transformation of phosphorus in sewage sludge biochar mediated by a phosphate-solubilizing microorganism. <i>Chemical Engineering Journal</i> , 2019, 359, 1573-1580.	12.7	73
84	NOB suppression in pilot-scale mainstream nitrification-denitrification system coupled with MBR for municipal wastewater treatment. <i>Chemosphere</i> , 2019, 216, 633-639.	8.2	32
85	Free nitrous acid (FNA) induced transformation of sulfamethoxazole in the enriched nitrifying culture. <i>Water Research</i> , 2019, 149, 432-439.	11.3	49
86	In tandem effects of activated carbon and quorum quenching on fouling control and simultaneous removal of pharmaceutical compounds in membrane bioreactors. <i>Chemical Engineering Journal</i> , 2018, 341, 610-617.	12.7	36
87	On-line biofilm strength detection in cross-flow membrane filtration systems. <i>Biofouling</i> , 2018, 34, 123-131.	2.2	9
88	Novel mpg-C3N4/TiO2 nanocomposite photocatalytic membrane reactor for sulfamethoxazole photodegradation. <i>Chemical Engineering Journal</i> , 2018, 337, 183-192.	12.7	136
89	Role of respiratory terminal oxidases in the extracellular electron transfer ability of cyanobacteria. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1361-1366.	3.3	19
90	Enhanced photodegradation of sulfamethoxazole by a novel WO3-CNT composite under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2018, 754, 153-162.	5.5	75

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91	Long solid retention time (SRT) has minor role in promoting methane production in a 65 Å°C single-stage anaerobic sludge digester. <i>Bioresource Technology</i> , 2018, 247, 724-729.	9.6	34
92	Enhanced sludge solubilization and dewaterability by synergistic effects of nitrite and freezing. <i>Water Research</i> , 2018, 130, 208-214.	11.3	98
93	Amino acids stimulate the endosome-to-Golgi trafficking through Ragulator and small GTPase Arl5. <i>Nature Communications</i> , 2018, 9, 4987.	12.8	22
94	Transformation of dissolved organic matters produced from alkaline-ultrasonic sludge pretreatment in anaerobic digestion: From macro to micro. <i>Water Research</i> , 2018, 142, 138-146.	11.3	91
95	Anaerobic co-digestion of organic fraction of municipal solid waste (OFMSW): Progress and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 380-399.	16.4	270
96	Enhanced anaerobic phenol degradation by conductive materials via EPS and microbial community alteration. <i>Chemical Engineering Journal</i> , 2018, 352, 1-9.	12.7	110
97	Insights into anaerobic transformation of key dissolved organic matters produced by thermal hydrolysis sludge pretreatment. <i>Bioresource Technology</i> , 2018, 266, 60-67.	9.6	69
98	High efficient alternating anaerobic/aerobic process for polyester resin wastewater treatment: Performance and microbial community structure. <i>Biochemical Engineering Journal</i> , 2018, 138, 121-130.	3.6	23
99	Hydrogen production from a thermophilic alkaline waste activated sludge fermenter: Effects of solid retention time (SRT). <i>Chemosphere</i> , 2018, 206, 101-106.	8.2	18
100	Effect of Ethylenediamine-N,Nâ€²-disuccinic acid (EDDS) on the speciation and bioavailability of Fe ²⁺ in the presence of sulfide in anaerobic digestion. <i>Bioresource Technology</i> , 2017, 229, 169-179.	9.6	14
101	Enhanced volatile fatty acids (VFAs) production in a thermophilic fermenter with stepwise pH increase â€“ Investigation on dissolved organic matter transformation and microbial community shift. <i>Water Research</i> , 2017, 112, 261-268.	11.3	237
102	Multi-cycle operation of enhanced biological phosphorus removal (EBPR) with different carbon sources under high temperature. <i>Water Research</i> , 2017, 114, 308-315.	11.3	50
103	Facile fabrication of RGO-WO ₃ composites for effective visible light photocatalytic degradation of sulfamethoxazole. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 93-102.	20.2	213
104	In-situ sludge pretreatment in a single-stage anaerobic digester. <i>Bioresource Technology</i> , 2017, 238, 102-108.	9.6	20
105	Effects of thermal-Fe (II) activated oxone treatment on sludge dewaterability. <i>Chemical Engineering Journal</i> , 2017, 322, 463-471.	12.7	70
106	The role of conductive materials in the start-up period of thermophilic anaerobic system. <i>Bioresource Technology</i> , 2017, 239, 336-344.	9.6	128
107	Degradation of Chloramphenicol with Novel Metal Foam Electrodes in Bioelectrochemical Systems. <i>Electrochimica Acta</i> , 2017, 240, 136-145.	5.2	32
108	Construction of WO ₃ /g-C ₃ N ₄ composites as efficient photocatalysts for pharmaceutical degradation under visible light. <i>Catalysis Science and Technology</i> , 2017, 7, 2591-2600.	4.1	86

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109	Effects of trace metal deficiency and supplementation on a submerged anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2017, 241, 161-170.	9.6	3
110	Comparison of different treatment methods for protein solubilisation from waste activated sludge. <i>Water Research</i> , 2017, 122, 492-502.	11.3	95
111	Novel carboxylated graphene oxide@CuS@Ag nanocomposite glass coating for organic degradation under solar light. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2626-2634.	3.2	9
112	Ultrathin g-C ₃ N ₄ nanosheets with hexagonal CuS nanoplates as a novel composite photocatalyst under solar light irradiation for H ₂ production. <i>Catalysis Science and Technology</i> , 2017, 7, 2050-2056.	4.1	51
113	Evaluating filterability of different types of sludge by statistical analysis: The role of key organic compounds in extracellular polymeric substances. <i>Chemosphere</i> , 2017, 170, 233-241.	8.2	43
114	Effect of Synthesis Method on the Nanostructure and Solar-Driven Photocatalytic Properties of TiO ₂ -CuS Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1347-1357.	6.7	41
115	Effects of ZnO nanoparticle exposure on wastewater treatment and soluble microbial products (SMPs) in an anoxic-aerobic membrane bioreactor. <i>Chemosphere</i> , 2017, 171, 446-459.	8.2	45
116	A novel A-B process for enhanced biological nutrient removal in municipal wastewater reclamation. <i>Chemosphere</i> , 2017, 189, 39-45.	8.2	25
117	Genetic improvement of <i>Magnetospirillum gryphiswaldense</i> for enhanced biological removal of phosphate. <i>Biotechnology Letters</i> , 2017, 39, 1509-1514.	2.2	15
118	Effect of operating conditions on speciation and bioavailability of trace metals in submerged anaerobic membrane bioreactors. <i>Bioresource Technology</i> , 2017, 243, 810-819.	9.6	7
119	Dosing of Ethylenediamine-N,N'-disuccinic acid (EDDS) to improve the bioavailability of Fe ²⁺ in the presence of sulfide in a submerged anaerobic membrane bioreactor. <i>Chemical Engineering Journal</i> , 2017, 330, 175-182.	12.7	11
120	Nitrite-driven abiotic transformation of sulfonamide micropollutants during freezing process. <i>Chemical Engineering Journal</i> , 2017, 327, 1128-1134.	12.7	22
121	Soluble microbial products (SMPs) in a sequencing batch reactor with novel cake filtration system. <i>Chemosphere</i> , 2017, 184, 1286-1297.	8.2	13
122	Variations in physical, chemical and biological properties in relation to sludge dewaterability under Fe (II) @ Oxone conditioning. <i>Water Research</i> , 2017, 109, 13-23.	11.3	165
123	Microbial stress mediated intercellular nanotubes in an anaerobic microbial consortium digesting cellulose. <i>Scientific Reports</i> , 2017, 7, 18006.	3.3	8
124	Insights into quorum quenching mechanisms to control membrane biofouling under changing organic loading rates. <i>Chemosphere</i> , 2017, 182, 40-47.	8.2	36
125	Ag loaded WO ₃ nanoplates for efficient photocatalytic degradation of sulfanilamide and their bactericidal effect under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2016, 318, 407-416.	12.4	109
126	Deposition of silver nanoparticles onto two dimensional BiOCl nanodiscs for enhanced visible light photocatalytic and biocidal activities. <i>RSC Advances</i> , 2016, 6, 64911-64920.	3.6	27

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127	Simultaneous nitrification, denitrification and phosphorus removal (SNDPR) in a full-scale water reclamation plant located in warm climate. <i>Water Science and Technology</i> , 2016, 74, 448-456.	2.5	23
128	Enhanced biological phosphorus removal with different carbon sources. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4735-4745.	3.6	77
129	Characterization of key organic compounds affecting sludge dewaterability during ultrasonication and acidification treatments. <i>Water Research</i> , 2016, 105, 470-478.	11.3	155
130	The role of methanogens in acetic acid production under different salinity conditions. <i>Chemosphere</i> , 2016, 161, 53-60.	8.2	15
131	Biosorption for carbon capture on acclimated sludge: Process kinetics and microbial community. <i>Biochemical Engineering Journal</i> , 2016, 114, 119-129.	3.6	12
132	Biochemistry-derived porous carbon-encapsulated metal oxide nanocrystals for enhanced sodium storage. <i>Nano Energy</i> , 2016, 21, 71-79.	16.0	49
133	Alkali-solubilized organic matter from sludge and its degradability in the anaerobic process. <i>Bioresource Technology</i> , 2016, 200, 579-586.	9.6	64
134	Free nitrous acid inhibition on carbon storage microorganisms: Accumulated inhibitory effects and recoverability. <i>Chemical Engineering Journal</i> , 2016, 287, 285-291.	12.7	16
135	Trace metal speciation and bioavailability in anaerobic digestion: A review. <i>Biotechnology Advances</i> , 2016, 34, 122-136.	11.7	226
136	Pilot-scale landfill with leachate recirculation for enhanced stabilization. <i>Biochemical Engineering Journal</i> , 2016, 105, 437-445.	3.6	24
137	Performance and microbial community analysis in alkaline two-stage enhanced anaerobic sludge digestion system. <i>Biochemical Engineering Journal</i> , 2016, 105, 296-305.	3.6	25
138	Acetic acid effects on methanogens in the second stage of a two-stage anaerobic system. <i>Chemosphere</i> , 2016, 144, 1498-1504.	8.2	22
139	Impact of undissociated volatile fatty acids on acidogenesis in a two-phase anaerobic system. <i>Journal of Environmental Sciences</i> , 2016, 42, 196-201.	6.1	20
140	Community quorum sensing signalling and quenching: microbial granular biofilm assembly. <i>Npj Biofilms and Microbiomes</i> , 2015, 1, 15006.	6.4	143
141	The challenges of mainstream deammonification process for municipal used water treatment. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2485-2490.	3.6	158
142	Dynamics of propionic acid degradation in a two-phase anaerobic system. <i>Chemosphere</i> , 2015, 140, 47-53.	8.2	23
143	Regression based state space adaptive model of two-phase anaerobic reactor. <i>Chemosphere</i> , 2015, 140, 159-166.	8.2	3
144	The effect of pH on solubilization of organic matter and microbial community structures in sludge fermentation. <i>Bioresource Technology</i> , 2015, 190, 289-298.	9.6	169

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145	The role of hydrogenotrophic methanogens in an acidogenic reactor. <i>Chemosphere</i> , 2015, 140, 40-46.	8.2	39
146	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. <i>ACS Nano</i> , 2015, 9, 4628-4635.	14.6	102
147	Comparative study of low-energy ultrasonic and alkaline treatment on biosludge from secondary industrial wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2239-2248.	2.2	10
148	N ₂ O accumulation from denitrification under different temperatures. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9215-9226.	3.6	27
149	Molecular mechanisms governing aerobic granular sludge processes. <i>Water Practice and Technology</i> , 2015, 10, 277-281.	2.0	1
150	Determination of the archaeal and bacterial communities in two-phase and single-stage anaerobic systems by 454 pyrosequencing. <i>Journal of Environmental Sciences</i> , 2015, 36, 121-129.	6.1	39
151	Enhanced carbon capture biosorption through process manipulation. <i>Biochemical Engineering Journal</i> , 2015, 93, 128-136.	3.6	13
152	Comparison of single-stage and two-phase anaerobic sludge digestion systems – Performance and microbial community dynamics. <i>Chemosphere</i> , 2015, 140, 54-62.	8.2	106
153	Recycling Bacteria for the Synthesis of LiMPO ₄ (M = Fe, Mn) Nanostructures for High-Power Lithium Batteries. <i>Small</i> , 2014, 10, 3997-4002.	10.0	11
154	The role of quorum sensing signalling in EPS production and the assembly of a sludge community into aerobic granules. <i>ISME Journal</i> , 2014, 8, 1186-1197.	9.8	330
155	Effect of a high strength chemical industry wastewater on microbial community dynamics and mesophilic methane generation. <i>Journal of Environmental Sciences</i> , 2014, 26, 875-884.	6.1	8
156	Acetic acid inhibition on methanogens in a two-phase anaerobic process. <i>Biochemical Engineering Journal</i> , 2013, 75, 1-7.	3.6	64
157	pH-Dependent Transformation of Ag Nanoparticles in Anaerobic Processes. <i>Environmental Science & Technology</i> , 2013, 47, 12630-12631.	10.0	21
158	Mammalian Mon2/Ysl2 regulates endosome-to-Golgi trafficking but possesses no guanine nucleotide exchange activity toward Arl1 GTPase. <i>Scientific Reports</i> , 2013, 3, 3362.	3.3	24
159	Energy utilization in sewage treatment – a review with comparisons. <i>Journal of Water and Climate Change</i> , 2013, 4, 1-10.	2.9	31
160	Imaging Beads-Retained Prey Assay for Rapid and Quantitative Protein-Protein Interaction. <i>PLoS ONE</i> , 2013, 8, e59727.	2.5	6
161	The effect of organic loading rates and nitrogenous compounds on the aerobic granules developed using low strength wastewater. <i>Biochemical Engineering Journal</i> , 2012, 67, 52-59.	3.6	61
162	Response of poly-phosphate accumulating organisms to free nitrous acid inhibition under anoxic and aerobic conditions. <i>Bioresource Technology</i> , 2012, 116, 340-347.	9.6	38

#	ARTICLE	IF	CITATIONS
163	Nitrous oxide emission by denitrifying phosphorus removal culture using polyhydroxyalkanoates as carbon source. <i>Journal of Environmental Sciences</i> , 2012, 24, 1616-1623.	6.1	46
164	The role of nitrite and free nitrous acid (FNA) in wastewater treatment plants. <i>Water Research</i> , 2011, 45, 4672-4682.	11.3	352
165	Free nitrous acid (FNA) inhibition on denitrifying poly-phosphate accumulating organisms (DPAOs). <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 359-369.	3.6	76
166	The source of reducing power in the anaerobic metabolism of polyphosphate accumulating organisms (PAOs) – a mini-review. <i>Water Science and Technology</i> , 2010, 61, 1653-1662.	2.5	42
167	Development and potential of new generation photocatalytic systems for air pollution abatement: an overview. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009, 4, 387-402.	1.5	24
168	Visible-light photoresponsive heterojunctions of (Nb–Ti–Si) and (Bi/Bi-O) nanoparticles. <i>Electrochemistry Communications</i> , 2009, 11, 509-514.	4.7	6
169	Involvement of the TCA cycle in the anaerobic metabolism of polyphosphate accumulating organisms (PAOs). <i>Water Research</i> , 2009, 43, 1330-1340.	11.3	78
170	Highly Thermostable Anatase Titania-Pillared Clay for the Photocatalytic Degradation of Airborne Styrene. <i>Environmental Science & Technology</i> , 2009, 43, 538-543.	10.0	24
171	Fluorine and Carbon Codoped Macroporous Titania Microspheres: Highly Effective Photocatalyst for the Destruction of Airborne Styrene under Visible Light. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19655-19661.	3.1	25
172	Free Nitrous Acid Inhibition on Nitrous Oxide Reduction by a Denitrifying-Enhanced Biological Phosphorus Removal Sludge. <i>Environmental Science & Technology</i> , 2008, 42, 8260-8265.	10.0	222
173	Could polyphosphate-accumulating organisms (PAOs) be glycogen-accumulating organisms (GAOs)? <i>Water Research</i> , 2008, 42, 2361-2368.	11.3	107
174	Development of a 2-sludge, 3-stage system for nitrogen and phosphorous removal from nutrient-rich wastewater using granular sludge and biofilms. <i>Water Research</i> , 2008, 42, 3207-3217.	11.3	58
175	Free nitrous acid inhibition on anoxic phosphorus uptake and denitrification by poly-phosphate accumulating organisms. <i>Biotechnology and Bioengineering</i> , 2007, 98, 903-912.	3.3	126