

Guangming Zhang

List of Publications by Year in descending order

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184
papers

7,991
citations

50276

46
h-index

62596

80
g-index

184
all docs

184
docs citations

184
times ranked

6406
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on performance and mechanism of enhanced low-concentration ammonia nitrogen removal from low-temperature wastewater by iron-loaded biological activated carbon filter. <i>Journal of Environmental Management</i> , 2022, 301, 113859.	7.8	11
2	Di-functional Cu ²⁺ -doped BiOCl photocatalyst for degradation of organic pollutant and inhibition of cyanobacterial growth. <i>Journal of Hazardous Materials</i> , 2022, 424, 127554.	12.4	49
3	Flashing light alleviates photoinhibition and promotes biomass concentration in purple non- α sulfur bacteria wastewater treatment. <i>Bioresource Technology</i> , 2022, 343, 126107.	9.6	1
4	Periodic oxygen supplementation drives efficient metabolism for enhancing valuable bioresource production in photosynthetic bacteria wastewater treatment. <i>Bioresource Technology</i> , 2022, 347, 126678.	9.6	6
5	Fabrication of Bi-Bi ₃ O ₄ Cl plasmon photocatalysts for removal of aqueous emerging contaminants under visible light. <i>Journal of Environmental Sciences</i> , 2022, 118, 87-100.	6.1	12
6	Macrophage polarization induced by quinolone antibiotics at environmental residue level. <i>International Immunopharmacology</i> , 2022, 106, 108596.	3.8	5
7	Distribution, ecological risk assessment and source identification of pollutants in soils of different land-use types in degraded wetlands. <i>PeerJ</i> , 2022, 10, e12885.	2.0	2
8	Improvement of Direct Interspecies Electron Transfer via Adding Conductive Materials in Anaerobic Digestion: Mechanisms, Performances, and Challenges. <i>Frontiers in Microbiology</i> , 2022, 13, 860749.	3.5	10
9	Exploration of flashing light interaction effect on improving biomass, protein, and pigments production in photosynthetic bacteria wastewater treatment. <i>Journal of Cleaner Production</i> , 2022, 348, 131304.	9.3	7
10	Fe-N complex biochar as a superior partner of sodium sulfide for methyl orange decolorization by combination of adsorption and reduction. <i>Journal of Environmental Management</i> , 2022, 316, 115213.	7.8	16
11	Optimization of low-intensity ultrasonic irradiation for low-strength sewage treatment in anaerobic baffled reactor. <i>Journal of Environmental Chemical Engineering</i> , 2022, , 108022.	6.7	1
12	Long-term rumen microorganism fermentation of corn stover in vitro for volatile fatty acid production. <i>Bioresource Technology</i> , 2022, 358, 127447.	9.6	23
13	Preparation and application of BiOBr-Bi ₂ S ₃ heterojunctions for efficient photocatalytic removal of Cr(VI). <i>Journal of Hazardous Materials</i> , 2021, 407, 124394.	12.4	100
14	Study on adsorption of ammonia nitrogen by iron-loaded activated carbon from low temperature wastewater. <i>Chemosphere</i> , 2021, 262, 127895.	8.2	86
15	Recent advances in constructed wetland for wastewater treatment. <i>Bioresource Technology</i> , 2021, 321, 124378.	9.6	3
16	Biological nutrients removal and recovery. <i>Bioresource Technology</i> , 2021, 320, 124377.	9.6	2
17	Functions of constructed wetland animals in water environment protection – A critical review. <i>Science of the Total Environment</i> , 2021, 760, 144038.	8.0	18
18	Tetracycline degradation by persulfate activated with magnetic γ -Fe ₂ O ₃ /CeO ₂ catalyst: Performance, activation mechanism and degradation pathway. <i>Separation and Purification Technology</i> , 2021, 259, 118156.	7.9	157

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19	Advanced phosphate and nitrogen removal in water by La ²⁺ /Mg composite. <i>Environmental Research</i> , 2021, 193, 110529.	7.5	11
20	Progress in ultrasound-assisted extraction of the value-added products from microorganisms. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 71.	3.6	10
21	Exogenous N-acyl-homoserine lactones promote the degradation of refractory organics in oligotrophic anaerobic granular sludge. <i>Science of the Total Environment</i> , 2021, 761, 143289.	8.0	24
22	Effect of substrate load on anaerobic fermentation of rice straw with rumen liquid as inoculum: Hydrolysis and acidogenesis efficiency, enzymatic activities and rumen bacterial community structure. <i>Waste Management</i> , 2021, 124, 235-243.	7.4	38
23	Effect of low-intensity ultrasound on partial nitrification: Performance, sludge characteristics, and properties of extracellular polymeric substances. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105527.	8.2	16
24	Production of coenzyme Q10 by purple non-sulfur bacteria: Current development and future prospect. <i>Journal of Cleaner Production</i> , 2021, 307, 127326.	9.3	15
25	Purple non-sulfur bacteria technology: a promising and potential approach for wastewater treatment and bioresources recovery. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 161.	3.6	18
26	Purifying Heavily Polluted River Water Using Immobilized Native Photosynthetic Bacteria. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	1.4	2
27	Exogenous N-acyl-homoserine lactones accelerate resuscitation of starved anaerobic granular sludge after long-term stagnation. <i>Bioresource Technology</i> , 2021, 337, 125362.	9.6	12
28	Critical review on ultrasound lysis-cryptic growth for sludge reduction. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106263.	6.7	7
29	Vertical microplastic distribution in sediments of Fuhe River estuary to Baiyangdian Wetland in Northern China. <i>Chemosphere</i> , 2021, 280, 130800.	8.2	63
30	Green fabrication, characterization and water-oil separation properties of superhydrophilic/oleophobic grapefruit peel-derived aerogel. <i>Applied Surface Science</i> , 2021, 566, 150721.	6.1	19
31	Citric acid modulated preparation of CdS photocatalyst for efficient removal of Cr(VI) and methyl orange. <i>Optical Materials</i> , 2021, 121, 111604.	3.6	16
32	Metagenomic analysis of community, enzymes and metabolic pathways during corn straw fermentation with rumen microorganisms for volatile fatty acid production. <i>Bioresource Technology</i> , 2021, 342, 126004.	9.6	30
33	Photosynthetic bacterial protein production from wastewater: Effects of C/N and light intensity/oxygen condition. <i>Journal of Water Process Engineering</i> , 2021, 44, 102361.	5.6	8
34	Biokinetic and biotransformation of nitrogen during photosynthetic bacteria wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1888-1895.	2.2	4
35	Revealing the changes of bacterial community from water source to consumers tap: A full-scale investigation in eastern city of China. <i>Journal of Environmental Sciences</i> , 2020, 87, 331-340.	6.1	23
36	An efficient CuO- γ -Fe ₂ O ₃ composite activates persulfate for organic pollutants removal: Performance, advantages and mechanism. <i>Chemosphere</i> , 2020, 242, 125191.	8.2	36

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37	Photosynthetic bacteria wastewater treatment with the production of value-added products: A review. <i>Bioresource Technology</i> , 2020, 299, 122648.	9.6	61
38	Advanced phosphate removal by La-Zr-Zn ternary oxide: Performance and mechanism. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152745.	5.5	26
39	MnCeO ₂ /diatomite catalyst for persulfate activation to degrade organic pollutants. <i>Journal of Environmental Sciences</i> , 2020, 89, 206-217.	6.1	30
40	BiOCl-Bi ₁₂ O ₁₇ Cl ₂ nanocomposite with high visible-light photocatalytic activity prepared by an ultrasonic hydrothermal method for removing dye and pharmaceutical. <i>Chinese Journal of Catalysis</i> , 2020, 41, 464-473.	14.0	51
41	Preparation of foaming agent from photosynthetic bacteria liquid by direct thermal alkaline treatment. <i>Construction and Building Materials</i> , 2020, 238, 117715.	7.2	2
42	Zero excess sludge wastewater treatment with value-added substances recovery using photosynthetic bacteria. <i>Journal of Cleaner Production</i> , 2020, 250, 119581.	9.3	23
43	Effects of low-intensity ultrasound on nitrite accumulation and microbial characteristics during partial nitrification. <i>Science of the Total Environment</i> , 2020, 705, 135985.	8.0	29
44	Promising biological conversion of lignocellulosic biomass to renewable energy with rumen microorganisms: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110335.	16.4	66
45	Extracellular polymeric substances trigger an increase in redox mediators for enhanced sludge methanogenesis. <i>Environmental Research</i> , 2020, 191, 110197.	7.5	14
46	New progress of ammonia recovery during ammonia nitrogen removal from various wastewaters. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 144.	3.6	78
47	Ce-based catalysts used in advanced oxidation processes for organic wastewater treatment: A review. <i>Journal of Environmental Sciences</i> , 2020, 96, 109-116.	6.1	47
48	Enhancement of photosynthetic bacteria biomass production and wastewater treatment efficiency by zero-valent iron nanoparticles. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 306-310.	2.2	6
49	Lactic acid wastewater treatment by photosynthetic bacteria and simultaneous production of protein and pigments. <i>Environmental Technology (United Kingdom)</i> , 2020, , 1-8.	2.2	4
50	Enhanced Molecular Oxygen Activation on (001) Facets of Zn-Doped BiOCl Nanosheets for Ciprofloxacin Degradation. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000548.	3.7	32
51	The recent development of the aerobic granular sludge for industrial wastewater treatment: a mini review. <i>Environmental Technology Reviews</i> , 2020, 9, 55-66.	4.3	14
52	Bioeffect of static magnetic field on photosynthetic bacteria: Evaluation of bioresources production and wastewater treatment efficiency. <i>Water Environment Research</i> , 2020, 92, 1131-1141.	2.7	8
53	Tuning of Bi ₂ O ₃ Cl formation with sonication time during ultrasound-hydrothermal preparation. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 84, 322-331.	5.8	15
54	MnCeOX with high efficiency and stability for activating persulfate to degrade AO7 and ofloxacin. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110228.	6.0	26

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55	Production of photosynthetic bacteria using organic wastewater in photobioreactors in lieu of a culture medium in fermenters: From lab to pilot scale. <i>Journal of Cleaner Production</i> , 2020, 259, 120871.	9.3	12
56	Historical development and prospects of photocatalysts for pollutant removal in water. <i>Journal of Hazardous Materials</i> , 2020, 395, 122599.	12.4	245
57	Brewery wastewater treatment and resource recovery through long term continuous-mode operation in pilot photosynthetic bacteria-membrane bioreactor. <i>Science of the Total Environment</i> , 2019, 646, 196-205.	8.0	57
58	Rice husk-based solid acid for efficient hydrolysis and saccharification of corncob. <i>Bioresource Technology</i> , 2019, 292, 121915.	9.6	29
59	Effects of light intensity and photoperiod on pigments production and corresponding key gene expression of <i>Rhodospseudomonas palustris</i> in a photobioreactor system. <i>Bioresource Technology</i> , 2019, 294, 122172.	9.6	24
60	Nitrogen metabolism in photosynthetic bacteria wastewater treatment: A novel nitrogen transformation pathway. <i>Bioresource Technology</i> , 2019, 294, 122162.	9.6	20
61	Simultaneous in-situ remediation and fertilization of Cd-contaminated weak-alkaline farmland for wheat production. <i>Journal of Environmental Management</i> , 2019, 250, 109528.	7.8	24
62	Carbide slag pretreatment enhances volatile fatty acid production in anaerobic fermentation of four grass biomasses. <i>Energy Conversion and Management</i> , 2019, 199, 112009.	9.2	23
63	Bio-conversion of photosynthetic bacteria from non-toxic wastewater to realize wastewater treatment and bioresource recovery: A review. <i>Bioresource Technology</i> , 2019, 278, 383-399.	9.6	74
64	FeNiCeOx ternary catalyst prepared by ultrasonic impregnation method for diclofenac removal in Fenton-like system. <i>Water Science and Technology</i> , 2019, 79, 1675-1684.	2.5	4
65	Additives for photosynthetic bacteria wastewater treatment: Latest developments and future prospects. <i>Bioresource Technology Reports</i> , 2019, 7, 100229.	2.7	12
66	Contribution of solid and liquid fractions of sewage sludge pretreated by high pressure homogenization to biogas production. <i>Bioresource Technology</i> , 2019, 286, 121378.	9.6	38
67	A High-Efficiency CuO/CeO ₂ Catalyst for Diclofenac Degradation in Fenton-Like System. <i>Frontiers in Chemistry</i> , 2019, 7, 796.	3.6	33
68	Benefit of solid-liquid separation on volatile fatty acid production from grass clipping with ultrasound-calcium hydroxide pretreatment. <i>Bioresource Technology</i> , 2019, 274, 97-104.	9.6	41
69	Effects of light-dark cycles on photosynthetic bacteria wastewater treatment and valuable substances production. <i>Bioresource Technology</i> , 2019, 274, 496-501.	9.6	40
70	Heterogeneous activation of persulfate by Co ₃ O ₄ -CeO ₂ catalyst for diclofenac removal. <i>Journal of Environmental Management</i> , 2019, 234, 265-272.	7.8	88
71	Effects of dissolved oxygen on key enzyme activities during photosynthetic bacteria wastewater treatment. <i>Process Biochemistry</i> , 2019, 76, 165-170.	3.7	18
72	Enhancing the auto-flocculation of photosynthetic bacteria to realize biomass recovery in brewery wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2147-2156.	2.2	13

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73	Biofilm bacterial community transition under water supply quality changes in drinking water distribution systems. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 644-653.	2.4	11
74	Pre-magnetization by weak magnetic field enhancing FeO-Fenton process for wastewater treatment. <i>Chemical Engineering Journal</i> , 2018, 346, 120-126.	12.7	16
75	Microbiology community changes during the start-up and operation of a photosynthetic bacteria-membrane bioreactor for wastewater treatment. <i>Bioresource Technology Reports</i> , 2018, 1, 1-8.	2.7	20
76	One-step treatment and resource recovery of high-concentration non-toxic organic wastewater by photosynthetic bacteria. <i>Bioresource Technology</i> , 2018, 251, 121-127.	9.6	43
77	Impacts of Fe ²⁺ on 5-aminolevulinic acid (ALA) biosynthesis of <i>Rhodobacter sphaeroides</i> in wastewater treatment by regulating <i>nif</i> gene expression. <i>Journal of Environmental Sciences</i> , 2018, 70, 11-19.	6.1	10
78	Membrane concentrate treatment by photosynthetic bacteria: Feasibility and tolerance mechanism analysis. <i>Bioresource Technology</i> , 2018, 253, 378-381.	9.6	18
79	Benchmark study of photosynthetic bacteria bio-conversion of wastewater: Carbon source range, fundamental kinetics of substrate degradation and cell proliferation. <i>Bioresource Technology Reports</i> , 2018, 1, 31-38.	2.7	21
80	Natural light-micro aerobic condition for PSB wastewater treatment: a flexible, simple, and effective resource recovery wastewater treatment process. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 74-82.	2.2	18
81	Ultrasonic impregnation of MnO ₂ /CeO ₂ and its application in catalytic sono-degradation of methyl orange. <i>Journal of Environmental Management</i> , 2018, 205, 134-141.	7.8	41
82	FeO-H ₂ O ₂ for advanced treatment of citric acid wastewater: Detailed study of catalyst after several times use. <i>Chemical Engineering Journal</i> , 2018, 336, 233-240.	12.7	43
83	Thermo-carbide slag pretreatment of turfgrass pruning: Physical-chemical structure changes, reducing sugar production, and enzymatic hydrolysis kinetics. <i>Energy Conversion and Management</i> , 2018, 155, 169-174.	9.2	19
84	Red mud enhances methanogenesis with the simultaneous improvement of hydrolysis-acidification and electrical conductivity. <i>Bioresource Technology</i> , 2018, 247, 131-137.	9.6	101
85	Synchronously enhancing biogas production, sludge reduction, biogas desulfurization, and digestate treatment in sludge anaerobic digestion by adding K ₂ FeO ₄ . <i>Environmental Science and Pollution Research</i> , 2018, 25, 35154-35163.	5.3	14
86	Bioconversion of wastewater by photosynthetic bacteria: Nitrogen source range, fundamental kinetics of nitrogen removal, and biomass accumulation. <i>Bioresource Technology Reports</i> , 2018, 4, 9-15.	2.7	14
87	Thermo-carbide slag pretreatment of energy plants for enhancing enzymatic hydrolysis. <i>Industrial Crops and Products</i> , 2018, 120, 77-83.	5.2	18
88	Effects of light-oxygen conditions on microbial community of photosynthetic bacteria during treating high-ammonia wastewater. <i>Process Biochemistry</i> , 2018, 72, 137-142.	3.7	18
89	A special light-aerobic condition for photosynthetic bacteria-membrane bioreactor technology. <i>Bioresource Technology</i> , 2018, 268, 820-823.	9.6	8
90	Iron Based Catalysts Used in Water Treatment Assisted by Ultrasound: A Mini Review. <i>Frontiers in Chemistry</i> , 2018, 6, 12.	3.6	16

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91	Rumen fluid fermentation for enhancement of hydrolysis and acidification of grass clipping. Journal of Environmental Management, 2018, 220, 142-148.	7.8	45
92	Sonocatalytic degradation of diclofenac with FeCeOx particles in water. Ultrasonics Sonochemistry, 2017, 34, 418-425.	8.2	43
93	Preparation of a magnetic N-Fe/AC catalyst for aqueous pharmaceutical treatment in heterogeneous sonication system. Journal of Environmental Management, 2017, 187, 201-211.	7.8	11
94	Enhancement of corn stover hydrolysis with rumen fluid pretreatment at different solid contents: Effect, structural changes and enzymes participation. International Biodeterioration and Biodegradation, 2017, 119, 405-412.	3.9	42
95	Effects and mechanism of diclofenac degradation in aqueous solution by US/ZnO. Ultrasonics Sonochemistry, 2017, 37, 676-685.	8.2	27
96	Denitrification of aging biogas slurry from livestock farm by photosynthetic bacteria. Bioresource Technology, 2017, 232, 408-411.	9.6	30
97	NiFe(C ₂ O ₄) _x as a heterogeneous Fenton catalyst for removal of methyl orange. Journal of Environmental Management, 2017, 192, 150-155.	7.8	25
98	Diclofenac degradation in water by FeCeO _x catalyzed H ₂ O ₂ : Influencing factors, mechanism and pathways. Journal of Hazardous Materials, 2017, 334, 150-159.	12.4	98
99	Enhancement of carotenoid and bacteriochlorophyll by high salinity stress in photosynthetic bacteria. International Biodeterioration and Biodegradation, 2017, 121, 91-96.	3.9	38
100	Enhancing protein to extremely high content in photosynthetic bacteria during biogas slurry treatment. Bioresource Technology, 2017, 245, 1277-1281.	9.6	38
101	Novel Fe-Ce-O mixed metal oxides catalyst prepared by hydrothermal method for Hg ⁰ oxidation in the presence of NH ₃ . Catalysis Communications, 2017, 100, 210-213.	3.3	29
102	Effects of dissolved oxygen concentration on photosynthetic bacteria wastewater treatment: Pollutants removal, cell growth and pigments production. Bioresource Technology, 2017, 241, 993-997.	9.6	53
103	Effects of metal ions on biomass and 5-aminolevulinic acid production in Rhodospseudomonas palustris wastewater treatment. Water Science and Technology, 2016, 73, 382-388.	2.5	8
104	A novel PSB-EDI system for high ammonia wastewater treatment, biomass production and nitrogen resource recovery: PSB system. Water Science and Technology, 2016, 74, 616-624.	2.5	2
105	Performance, 5-aminolevulinic acid (ALA) yield and microbial population dynamics in a photobioreactor system treating soybean wastewater: Effect of hydraulic retention time (HRT) and organic loading rate (OLR). Bioresource Technology, 2016, 210, 146-152.	9.6	28
106	Synthetic white spirit wastewater treatment and biomass recovery by photosynthetic bacteria: Feasibility and process influence factors. International Biodeterioration and Biodegradation, 2016, 113, 134-138.	3.9	22
107	Microwave assisted alkaline pretreatment to enhance enzymatic saccharification of catalpa sawdust. Bioresource Technology, 2016, 221, 26-30.	9.6	67
108	Degradation of aniline by heterogeneous Fenton's reaction using a Ni-Fe oxalate complex catalyst. Journal of Environmental Management, 2016, 182, 367-373.	7.8	42

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109	Thermo-chemical pretreatment and enzymatic hydrolysis for enhancing saccharification of catalpa sawdust. <i>Bioresource Technology</i> , 2016, 205, 34-39.	9.6	31
110	Enhancement of ultrasonic disintegration of sewage sludge by aeration. <i>Journal of Environmental Sciences</i> , 2016, 42, 163-167.	6.1	13
111	Preparation of FeCeO by ultrasonic impregnation method for heterogeneous Fenton degradation of diclofenac. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 231-240.	8.2	58
112	Optimization of Biomass and 5-Aminolevulinic Acid Production by <i>Rhodobacter sphaeroides</i> ATCC17023 via Response Surface Methodology. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 444-458.	2.9	14
113	Enhanced degradation of nitrobenzene by combined ultrasonic irradiation and a zero-valent zinc catalyst. <i>Desalination and Water Treatment</i> , 2016, 57, 23856-23863.	1.0	5
114	Rapid degradation of dyes in water by magnetic Fe ₀ /Fe ₃ O ₄ /graphene composites. <i>Journal of Environmental Sciences</i> , 2016, 44, 148-157.	6.1	45
115	Performance, carotenoids yield and microbial population dynamics in a photobioreactor system treating acidic wastewater: Effect of hydraulic retention time (HRT) and organic loading rate (OLR). <i>Bioresource Technology</i> , 2016, 200, 245-252.	9.6	44
116	Using co-metabolism to accelerate synthetic starch wastewater degradation and nutrient recovery in photosynthetic bacterial wastewater treatment technology. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1101-1108.	1.0	11
117	Comparing three methods for photosynthetic bacteria separation and recycling during wastewater treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 12467-12477.	1.0	11
118	Feasibility study and process optimization of citric acid wastewater treatment and biomass production by photosynthetic bacteria. <i>Desalination and Water Treatment</i> , 2016, 57, 6261-6267.	1.0	18
119	Transformations, Inhibition and Inhibition Control Methods of Sulfur in Sludge Anaerobic Digestion: A Review. <i>Current Organic Chemistry</i> , 2016, 20, 2780-2789.	1.6	22
120	Ultrasound sludge lysis: heavy metals stability enhancement. <i>Desalination and Water Treatment</i> , 2015, 53, 367-372.	1.0	4
121	Biomass and pigments production in photosynthetic bacteria wastewater treatment: Effects of photoperiod. <i>Bioresource Technology</i> , 2015, 190, 196-200.	9.6	53
122	Effect of magnesium ion on crt gene expression in improving carotenoid yield of <i>Rhodobacter sphaeroides</i> . <i>Archives of Microbiology</i> , 2015, 197, 1101-1108.	2.2	11
123	Effects of different sludge disintegration methods on sludge moisture distribution and dewatering performance. <i>Journal of Environmental Sciences</i> , 2015, 28, 22-28.	6.1	31
124	High-pressure homogenization pretreatment of four different lignocellulosic biomass for enhancing enzymatic digestibility. <i>Bioresource Technology</i> , 2015, 181, 270-274.	9.6	37
125	Effects of potassium ferrate oxidation on sludge disintegration, dewaterability and anaerobic biodegradation. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 137-142.	3.9	72
126	Biomass and pigments production in photosynthetic bacteria wastewater treatment: Effects of light sources. <i>Bioresource Technology</i> , 2015, 179, 505-509.	9.6	61

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127	Degradation properties of protein and carbohydrate during sludge anaerobic digestion. <i>Bioresource Technology</i> , 2015, 192, 126-130.	9.6	149
128	MnO ₂ /CeO ₂ for catalytic ultrasonic decolorization of methyl orange: Process parameters and mechanisms. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 474-479.	8.2	28
129	Enhancement of <i>Rhodobacter sphaeroides</i> growth and carotenoid production through biostimulation. <i>Journal of Environmental Sciences</i> , 2015, 33, 21-28.	6.1	30
130	Current state of sludge production, management, treatment and disposal in China. <i>Water Research</i> , 2015, 78, 60-73.	11.3	849
131	Comparative study of high-pressure homogenization and alkaline-heat pretreatments for enhancing enzymatic hydrolysis and biogas production of grass clipping. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 477-481.	3.9	23
132	Biological treatment of high NH ₄ ⁺ -N wastewater using an ammonia-tolerant photosynthetic bacteria strain (ISASWR2014). <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 1712-1715.	3.5	20
133	Mg ²⁺ improves biomass production from soybean wastewater using purple non-sulfur bacteria. <i>Journal of Environmental Sciences</i> , 2015, 28, 43-46.	6.1	32
134	Optimization of Influencing Factors on Biomass Accumulation and 5-Aminolevulinic Acid (ALA) Yield in <i>Rhodobacter sphaeroides</i> Wastewater Treatment. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 1920-1927.	2.1	18
135	Emerging contaminants in surface waters in China—a short review. <i>Environmental Research Letters</i> , 2014, 9, 074018.	5.2	72
136	MnO ₂ /CeO ₂ for catalytic ultrasonic degradation of methyl orange. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 991-996.	8.2	99
137	Disintegration of excess activated sludge with potassium permanganate: Feasibility, mechanisms and parameter optimization. <i>Chemical Engineering Journal</i> , 2014, 240, 420-425.	12.7	102
138	Effect of alkaline addition on anaerobic sludge digestion with combined pretreatment of alkaline and high pressure homogenization. <i>Bioresource Technology</i> , 2014, 168, 167-172.	9.6	125
139	Optimization of photosynthetic bacteria wastewater treatment and study of microbial species diversity. <i>Desalination and Water Treatment</i> , 2014, 52, 5357-5365.	1.0	12
140	Biomass and carotenoid production in photosynthetic bacteria wastewater treatment: Effects of light intensity. <i>Bioresource Technology</i> , 2014, 171, 330-335.	9.6	99
141	Current state of sewage treatment in China. <i>Water Research</i> , 2014, 66, 85-98.	11.3	383
142	Microbial production and applications of 5-aminolevulinic acid. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7349-7357.	3.6	63
143	Combined biologic aerated filter and sulfur/ceramisite autotrophic denitrification for advanced wastewater nitrogen removal at low temperatures. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 967-972.	6.0	21
144	Impacts of Power Density on Heavy Metal Release During Ultrasonic Sludge Treatment Process. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 469-473.	3.5	4

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145	Enhancement of cell production in photosynthetic bacteria wastewater treatment by low-strength ultrasound. <i>Bioresource Technology</i> , 2014, 161, 451-454.	9.6	29
146	A novel wastewater treatment and biomass cultivation system combining photosynthetic bacteria and membrane bioreactor technology. <i>Desalination</i> , 2013, 322, 176-181.	8.2	48
147	Effect of endogenous hydrolytic enzymes pretreatment on the anaerobic digestion of sludge. <i>Bioresource Technology</i> , 2013, 146, 758-761.	9.6	149
148	Heavy-Metal Accumulation in Low-Sludge Wastewater Treatment Technique: Sonication-Cryptic Growth. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 248-251.	1.4	6
149	Fate and chemical fraction distribution changes of arsenic and mercury during ultrasonic sludge treatment process. <i>Desalination and Water Treatment</i> , 2012, 48, 148-154.	1.0	1
150	Sludge Conditioning by Sonication and Sonication-Chemical Methods. <i>Procedia Environmental Sciences</i> , 2012, 16, 368-377.	1.4	8
151	Enhancement of anaerobic sludge digestion by high-pressure homogenization. <i>Bioresource Technology</i> , 2012, 118, 496-501.	9.6	98
152	Effects of Fe ²⁺ concentration on biomass accumulation and energy metabolism in photosynthetic bacteria wastewater treatment. <i>Bioresource Technology</i> , 2012, 119, 55-59.	9.6	52
153	Sewage sludge disintegration by combined treatment of alkaline + high pressure homogenization. <i>Bioresource Technology</i> , 2012, 123, 514-519.	9.6	41
154	Enhancement of sludge gravitational thickening with weak ultrasound. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 753-760.	6.0	5
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