

Qi Yang

List of Publications by Year in descending order

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245
papers

18,489
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10070

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245
docs citations

245
times ranked

13170
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the contribution of FeIVO ₂ ⁺ in Fe(II)/peroxydisulfate system. Chinese Chemical Letters, 2023, 34, 107555.	4.8	1
2	2D/2D FeNi-layered double hydroxide/bimetal-MOFs nanosheets for enhanced photo-Fenton degradation of antibiotics: Performance and synergetic degradation mechanism. Chemosphere, 2022, 287, 132061.	4.2	35
3	In-situ regeneration of tetracycline-saturated hierarchical porous carbon by peroxydisulfate oxidation process: Performance, mechanism and application. Chemical Engineering Journal, 2022, 427, 131749.	6.6	29
4	Revealing the mechanisms of rhamnolipid enhanced hydrogen production from dark fermentation of waste activated sludge. Science of the Total Environment, 2022, 806, 150347.	3.9	9
5	Peroxymonosulfate (PMS) activation by mackinawite for the degradation of organic pollutants: Underappreciated role of dissolved sulfur derivatives. Science of the Total Environment, 2022, 811, 151421.	3.9	22
6	Evaluating the effect of diclofenac on hydrogen production by anaerobic fermentation of waste activated sludge. Journal of Environmental Management, 2022, 308, 114641.	3.8	11
7	Zirconium-modified biochar as the efficient adsorbent for low-concentration phosphate: performance and mechanism. Environmental Science and Pollution Research, 2022, 29, 62347-62360.	2.7	7
8	Adsorption of 2,4-dichlorophenoxyacetic acid over Fe@Zr-based metal-organic frameworks: Synthesis, characterization, kinetics, and mechanism studies. Journal of Environmental Chemical Engineering, 2022, 10, 107472.	3.3	10
9	Biomass-derived carbon quantum dots modified Bi ₂ MoO ₆ /Bi ₂ S ₃ heterojunction for efficient photocatalytic removal of organic pollutants and Cr (Ⅲ). Separation and Purification Technology, 2022, 291, 120901.	3.9	37
10	Facile synthesis of Ag@AgCl/ZnAl-LDH sesame balls nanocomposites with enhanced photocatalytic performance for the degradation of neonicotinoid pesticides. Chemical Engineering Journal, 2022, 446, 136485.	6.6	11
11	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxymonosulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism. Journal of Hazardous Materials, 2022, 435, 128970.	6.5	24
12	S-scheme Cs ₂ AgBiBr ₆ /Ag ₃ PO ₄ heterojunction with efficient photocatalysis performance for H ₂ production and organic pollutant degradation under visible light. Separation and Purification Technology, 2022, 295, 121250.	3.9	38
13	Incorporating metal-organic frameworks into substrates for environmental applications. Chemical Engineering Journal, 2022, 446, 136866.	6.6	14
14	Nonradical-dominated peroxydisulfate activation by nitrogen-rich hierarchical porous graphite carbon for efficient degradation of tetracycline. Carbon, 2022, 196, 736-748.	5.4	25
15	FeII/AlIII layered double hydroxide modified carbon-felt cathode for efficient electrochemical reduction of bromate. Chemical Engineering Journal, 2022, 446, 137356.	6.6	28
16	Achieving high-performance electrocatalytic reduction of nitrate by N-rich carbon-encapsulated Ni-Cu bimetallic nanoparticles supported nickel foam electrode. Journal of Hazardous Materials, 2022, 436, 129253.	6.5	14
17	Mn-Doped Biochar Derived from Sewage Sludge for Ciprofloxacin Degradation. Journal of Environmental Engineering, ASCE, 2022, 148, .	0.7	1
18	Understanding the interaction between triclocarban and denitrifiers. Journal of Hazardous Materials, 2021, 401, 123343.	6.5	16

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19	Efficient degradation of bisphenol A via peroxydisulfate activation using in-situ N-doped carbon nanoparticles: Structure-function relationship and reaction mechanism. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 551-562.	5.0	52
20	Mechanisms of potassium permanganate pretreatment improving anaerobic fermentation performance of waste activated sludge. <i>Chemical Engineering Journal</i> , 2021, 406, 126797.	6.6	64
21	A critical review on the mechanisms of persulfate activation by iron-based materials: Clarifying some ambiguity and controversies. <i>Chemical Engineering Journal</i> , 2021, 407, 127078.	6.6	101
22	Towards hydrogen production from waste activated sludge: Principles, challenges and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110283.	8.2	86
23	Electro-assisted autohydrogenotrophic reduction of perchlorate and microbial community in a dual-chamber biofilm-electrode reactor. <i>Chemosphere</i> , 2021, 264, 128548.	4.2	8
24	Mechanistic insights into the effect of poly ferric sulfate on anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2021, 189, 116645.	5.3	95
25	Understanding the fate and impact of capsaicin in anaerobic co-digestion of food waste and waste activated sludge. <i>Water Research</i> , 2021, 188, 116539.	5.3	99
26	Understanding the mechanism of how anaerobic fermentation deteriorates sludge dewaterability. <i>Chemical Engineering Journal</i> , 2021, 404, 127026.	6.6	51
27	Efficient decontamination of organic pollutants under high salinity conditions by a nonradical peroxymonosulfate activation system. <i>Water Research</i> , 2021, 191, 116799.	5.3	259
28	AgBr nanoparticles decorated 2D/2D GO/Bi ₂ WO ₆ photocatalyst with enhanced photocatalytic performance for the removal of tetracycline hydrochloride. <i>Chemical Engineering Journal</i> , 2021, 410, 128283.	6.6	139
29	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. <i>Water Research</i> , 2021, 193, 116881.	5.3	121
30	Revealing how the entering nano-titanium dioxide in wastewater worsened sludge dewaterability. <i>Chemical Engineering Journal</i> , 2021, 411, 128465.	6.6	32
31	Tonalide facilitates methane production from anaerobic digestion of waste activated sludge. <i>Science of the Total Environment</i> , 2021, 779, 146195.	3.9	11
32	Digestion liquid based alkaline pretreatment of waste activated sludge promotes methane production from anaerobic digestion. <i>Water Research</i> , 2021, 199, 117198.	5.3	63
33	Recent advances in transition metal carbides and nitrides (MXenes): Characteristics, environmental remediation and challenges. <i>Chemical Engineering Journal</i> , 2021, 418, 129296.	6.6	70
34	Enhancing methane production from anaerobic digestion of waste activated sludge with addition of sodium lauroyl sarcosinate. <i>Bioresource Technology</i> , 2021, 336, 125321.	4.8	11
35	Understanding and regulating the impact of tetracycline to the anaerobic fermentation of waste activated sludge. <i>Journal of Cleaner Production</i> , 2021, 313, 127929.	4.6	23
36	Triclosan degradation in sludge anaerobic fermentation and its impact on hydrogen production. <i>Chemical Engineering Journal</i> , 2021, 421, 129948.	6.6	24

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37	In-depth research on percarbonate expediting zero-valent iron corrosion for conditioning anaerobically digested sludge. <i>Journal of Hazardous Materials</i> , 2021, 419, 126389.	6.5	23
38	A critical review on the application of biochar in environmental pollution remediation: Role of persistent free radicals (PFRs). <i>Journal of Environmental Sciences</i> , 2021, 108, 201-216.	3.2	76
39	Photocatalytic degradation of tetracycline by metal-organic frameworks modified with Bi ₂ WO ₆ nanosheet under direct sunlight. <i>Chemosphere</i> , 2021, 284, 131386.	4.2	64
40	In-situ growth of needle-like Co ₃ O ₄ on cobalt foam as a self-supported cathode for electrochemical reduction of nitrate. <i>Separation and Purification Technology</i> , 2021, 276, 119329.	3.9	31
41	Core-shell structured Cu ₂ O@HKUST-1 heterojunction photocatalyst with robust stability for highly efficient tetracycline hydrochloride degradation under visible light. <i>Chemical Engineering Journal</i> , 2021, 426, 131255.	6.6	64
42	Free ammonia pretreatment assists potassium ferrate to enhance the production of short-chain fatty acids from waste activated sludge: Performance, mechanisms and applications. <i>Journal of Cleaner Production</i> , 2021, 328, 129620.	4.6	16
43	How Does Chitosan Affect Methane Production in Anaerobic Digestion?. <i>Environmental Science & Technology</i> , 2021, 55, 15843-15852.	4.6	76
44	Multi-hydrolytic enzyme accumulation and microbial community structure of anaerobic co-digestion of food waste and waste-activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 478-487.	1.2	10
45	The effects of thiosulfates on methane production from anaerobic co-digestion of waste activated sludge and food waste and mitigate method. <i>Journal of Hazardous Materials</i> , 2020, 384, 121363.	6.5	27
46	Synergistic adsorption and electrocatalytic reduction of bromate by Pd/N-doped loofah sponge-derived biochar electrode. <i>Journal of Hazardous Materials</i> , 2020, 386, 121651.	6.5	49
47	Enhanced dewaterability of anaerobically digested sludge by in-situ free nitrous acid treatment. <i>Water Research</i> , 2020, 169, 115264.	5.3	73
48	Interaction between perfluorooctanoic acid and aerobic granular sludge. <i>Water Research</i> , 2020, 169, 115249.	5.3	75
49	Enhanced dark fermentative hydrogen production from waste activated sludge by combining potassium ferrate with alkaline pretreatment. <i>Science of the Total Environment</i> , 2020, 707, 136105.	3.9	39
50	Sulfite serving as a pretreatment method for alkaline fermentation to enhance short-chain fatty acid production from waste activated sludge. <i>Chemical Engineering Journal</i> , 2020, 385, 123991.	6.6	131
51	The inhibitory effect of thiosulfate on volatile fatty acid and hydrogen production from anaerobic co-fermentation of food waste and waste activated sludge. <i>Bioresource Technology</i> , 2020, 297, 122428.	4.8	15
52	Heterogeneous activation of persulfate by Ag doped BiFeO ₃ composites for tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 33-45.	5.0	66
53	Influence of low voltage electric field stimulation on hydrogen generation from anaerobic digestion of waste activated sludge. <i>Science of the Total Environment</i> , 2020, 704, 135849.	3.9	15
54	Electrochemical reduction of bromate using noble metal-free nanoscale zero-valent iron immobilized activated carbon fiber electrode. <i>Chemical Engineering Journal</i> , 2020, 389, 123588.	6.6	29

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55	Degradation performance of carbamazepine by ferrous-activated sodium hypochlorite: Mechanism and impacts on the soil system. <i>Chemical Engineering Journal</i> , 2020, 389, 123451.	6.6	18
56	Freezing in the presence of nitrite pretreatment enhances hydrogen production from dark fermentation of waste activated sludge. <i>Journal of Cleaner Production</i> , 2020, 248, 119305.	4.6	45
57	Enhancement of short-chain fatty acids production from microalgae by potassium ferrate addition: Feasibility, mechanisms and implications. <i>Bioresource Technology</i> , 2020, 318, 124266.	4.8	44
58	Catalytic degradation of ciprofloxacin by a visible-light-assisted peroxymonosulfate activation system: Performance and mechanism. <i>Water Research</i> , 2020, 173, 115559.	5.3	270
59	Enhanced anaerobic co-digestion of waste activated sludge and food waste by sulfidated microscale zerovalent iron: Insights in direct interspecies electron transfer mechanism. <i>Bioresource Technology</i> , 2020, 316, 123901.	4.8	67
60	The fate and impact of TCC in nitrifying cultures. <i>Water Research</i> , 2020, 178, 115851.	5.3	28
61	Performance and Mechanism of Potassium Ferrate(VI) Enhancing Dark Fermentative Hydrogen Accumulation from Waste Activated Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8681-8691.	3.2	25
62	Enhanced full solar spectrum photocatalysis by nitrogen-doped graphene quantum dots decorated BiO ₂ -x nanosheets: Ultrafast charge transfer and molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119218.	10.8	79
63	The biochar-supported iron-copper bimetallic composite activating oxygen system for simultaneous adsorption and degradation of tetracycline. <i>Chemical Engineering Journal</i> , 2020, 402, 126039.	6.6	77
64	Electrochemical Cr(VI) removal from aqueous media using titanium as anode: Simultaneous indirect electrochemical reduction of Cr(VI) and in-situ precipitation of Cr(III). <i>Chemosphere</i> , 2020, 260, 127537.	4.2	71
65	Iron electrodes activating persulfate enhances acetic acid production from waste activated sludge. <i>Chemical Engineering Journal</i> , 2020, 390, 124580.	6.6	18
66	Three-dimensional network space Ag ₃ PO ₄ /NP-CQDs/rGH for enhanced organic pollutant photodegradation: Synergetic photocatalysis activity/stability and effect of real water quality parameters. <i>Chemical Engineering Journal</i> , 2020, 390, 124454.	6.6	68
67	Mxene-modulated dual-heterojunction generation on a metal-organic framework (MOF) via surface constitution reconstruction for enhanced photocatalytic activity. <i>Chemical Engineering Journal</i> , 2020, 390, 124519.	6.6	124
68	Norfloxacin-induced effect on enhanced biological phosphorus removal from wastewater after long-term exposure. <i>Journal of Hazardous Materials</i> , 2020, 392, 122336.	6.5	21
69	Activation of nitrite by freezing process for anaerobic digestion enhancement of waste activated sludge: Performance and mechanisms. <i>Chemical Engineering Journal</i> , 2020, 387, 124147.	6.6	70
70	Effect of citric acid on extracellular polymeric substances disruption and cell lysis in the waste activated sludge by pH regulation. <i>Bioresource Technology</i> , 2020, 302, 122859.	4.8	31
71	Modified MIL-100(Fe) for enhanced photocatalytic degradation of tetracycline under visible-light irradiation. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 364-376.	5.0	100
72	Calcium peroxide promotes hydrogen production from dark fermentation of waste activated sludge. <i>Chemical Engineering Journal</i> , 2019, 355, 22-32.	6.6	137

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73	The underlying mechanism of calcium peroxide pretreatment enhancing methane production from anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2019, 164, 114934.	5.3	184
74	Microwave pretreatment of polyacrylamide flocculated waste activated sludge: Effect on anaerobic digestion and polyacrylamide degradation. <i>Bioresource Technology</i> , 2019, 290, 121776.	4.8	31
75	Recent advances in photo-activated sulfate radical-advanced oxidation process (SR-AOP) for refractory organic pollutants removal in water. <i>Chemical Engineering Journal</i> , 2019, 378, 122149.	6.6	401
76	Evaluating the effect of biochar on mesophilic anaerobic digestion of waste activated sludge and microbial diversity. <i>Bioresource Technology</i> , 2019, 294, 122235.	4.8	48
77	Biogas production from anaerobic co-digestion of waste activated sludge: co-substrates and influencing parameters. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 771-793.	3.9	59
78	Effect of poly aluminum chloride on dark fermentative hydrogen accumulation from waste activated sludge. <i>Water Research</i> , 2019, 153, 217-228.	5.3	93
79	Enhanced methane production from waste activated sludge by combining calcium peroxide with ultrasonic: Performance, mechanism, and implication. <i>Bioresource Technology</i> , 2019, 279, 108-116.	4.8	52
80	Heterogeneous activation of peroxymonosulfate using Mn-Fe layered double hydroxide: Performance and mechanism for organic pollutant degradation. <i>Science of the Total Environment</i> , 2019, 663, 453-464.	3.9	151
81	Nitrate addition improves hydrogen production from acidic fermentation of waste activated sludge. <i>Chemosphere</i> , 2019, 235, 814-824.	4.2	18
82	Effect of clarithromycin on the production of volatile fatty acids from waste activated sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2019, 288, 121598.	4.8	54
83	Unveiling the mechanism of biochar-activated hydrogen peroxide on the degradation of ciprofloxacin. <i>Chemical Engineering Journal</i> , 2019, 374, 520-530.	6.6	122
84	Enhanced ciprofloxacin removal by sludge-derived biochar: Effect of humic acid. <i>Chemosphere</i> , 2019, 231, 495-501.	4.2	53
85	Biological perchlorate reduction: which electron donor we can choose?. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16906-16922.	2.7	18
86	Enhanced hydrogen accumulation from waste activated sludge by combining ultrasonic and free nitrous acid pretreatment: Performance, mechanism, and implication. <i>Bioresource Technology</i> , 2019, 285, 121363.	4.8	28
87	Sulfate radical-mediated degradation of phenol and methylene blue by manganese oxide octahedral molecular sieve (OMS-2) activation of peroxymonosulfate. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12963-12974.	2.7	8
88	A critical review of volatile fatty acids produced from waste activated sludge: enhanced strategies and its applications. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13984-13998.	2.7	89
89	Heat pretreatment assists free ammonia to enhance hydrogen production from waste activated sludge. <i>Bioresource Technology</i> , 2019, 283, 316-325.	4.8	65
90	Metal-Organic Framework Supported Palladium Nanoparticles: Applications and Mechanisms. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800557.	1.2	22

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91	Indirect electrochemical reduction of nitrate in water using zero-valent titanium anode: Factors, kinetics, and mechanism. <i>Water Research</i> , 2019, 157, 191-200.	5.3	95
92	Free nitrous acid-based nitrifying sludge treatment in a two-sludge system obtains high polyhydroxyalkanoates accumulation and satisfied biological nutrients removal. <i>Bioresource Technology</i> , 2019, 284, 16-24.	4.8	20
93	Enhanced short-chain fatty acids production from waste activated sludge by sophorolipid: Performance, mechanism, and implication. <i>Bioresource Technology</i> , 2019, 284, 456-465.	4.8	91
94	Thermal-alkaline pretreatment of polyacrylamide flocculated waste activated sludge: Process optimization and effects on anaerobic digestion and polyacrylamide degradation. <i>Bioresource Technology</i> , 2019, 281, 158-167.	4.8	68
95	Effect of triclocarban on hydrogen production from dark fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2019, 279, 307-316.	4.8	60
96	Unveiling the mechanisms of how cationic polyacrylamide affects short-chain fatty acids accumulation during long-term anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2019, 155, 142-151.	5.3	159
97	Synergetic transformations of multiple pollutants driven by BiVO ₄ -catalyzed sulfite under visible light irradiation: Reaction kinetics and intrinsic mechanism. <i>Chemical Engineering Journal</i> , 2019, 355, 624-636.	6.6	77
98	Free ammonia aids ultrasound pretreatment to enhance short-chain fatty acids production from waste activated sludge. <i>Bioresource Technology</i> , 2019, 275, 163-171.	4.8	88
99	Enhanced Short-Chain Fatty Acids from Waste Activated Sludge by Heat-Activated CaO ₂ Advanced Thermal Hydrolysis Pretreatment: Parameter Optimization, Mechanisms, and Implications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3544-3555.	3.2	71
100	Mechanisms of peroxymonosulfate pretreatment enhancing production of short-chain fatty acids from waste activated sludge. <i>Water Research</i> , 2019, 148, 239-249.	5.3	188
101	Pretreatment of landfill leachate in near-neutral pH condition by persulfate activated Fe-C micro-electrolysis system. <i>Chemosphere</i> , 2019, 216, 749-756.	4.2	47
102	Hydrated lanthanum oxide-modified diatomite as highly efficient adsorbent for low-concentration phosphate removal from secondary effluents. <i>Journal of Environmental Management</i> , 2019, 231, 370-379.	3.8	140
103	Electrocatalytic hydrodechlorination of 4-chlorophenol on Pd supported multi-walled carbon nanotubes particle electrodes. <i>Chemical Engineering Journal</i> , 2019, 358, 903-911.	6.6	90
104	Enhanced volatile fatty acids production from waste activated sludge anaerobic fermentation by adding tofu residue. <i>Bioresource Technology</i> , 2019, 274, 430-438.	4.8	55
105	Facile synthesis of In ₂ S ₃ /UiO-66 composite with enhanced adsorption performance and photocatalytic activity for the removal of tetracycline under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 444-457.	5.0	120
106	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 273-284.	5.0	552
107	Enhanced short-chain fatty acids production from waste activated sludge by combining calcium peroxide with free ammonia pretreatment. <i>Bioresource Technology</i> , 2018, 262, 114-123.	4.8	85
108	Free ammonia enhances dark fermentative hydrogen production from waste activated sludge. <i>Water Research</i> , 2018, 133, 272-281.	5.3	163

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109	The feasibility of enhanced biological phosphorus removal in the novel oxic/extended idle process using fermentation liquid from sludge fermentation. <i>RSC Advances</i> , 2018, 8, 3321-3327.	1.7	6
110	Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2018, 130, 281-290.	5.3	156
111	Effect of acetate to glycerol ratio on enhanced biological phosphorus removal. <i>Chemosphere</i> , 2018, 196, 78-86.	4.2	47
112	Effect of diclofenac on the production of volatile fatty acids from anaerobic fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2018, 254, 7-15.	4.8	80
113	Free ammonia-based sludge treatment reduces sludge production in the wastewater treatment process. <i>Chemosphere</i> , 2018, 205, 484-492.	4.2	44
114	Efficient construction of bismuth vanadate-based Z-scheme photocatalyst for simultaneous Cr(VI) reduction and ciprofloxacin oxidation under visible light: Kinetics, degradation pathways and mechanism. <i>Chemical Engineering Journal</i> , 2018, 348, 157-170.	6.6	220
115	Novel stepwise pH control strategy to improve short chain fatty acid production from sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2018, 249, 431-438.	4.8	67
116	Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. <i>Bioresource Technology</i> , 2018, 247, 537-544.	4.8	297
117	Role of free nitrous acid in the pretreatment of waste activated sludge: Extracellular polymeric substances disruption or cells lysis?. <i>Chemical Engineering Journal</i> , 2018, 336, 28-37.	6.6	72
118	Understanding the mechanisms of how poly aluminium chloride inhibits short-chain fatty acids production from anaerobic fermentation of waste activated sludge. <i>Chemical Engineering Journal</i> , 2018, 334, 1351-1360.	6.6	99
119	Denitrifying microbial community with the ability to bromate reduction in a rotating biofilm-electrode reactor. <i>Journal of Hazardous Materials</i> , 2018, 342, 150-157.	6.5	36
120	Revealing the Underlying Mechanisms of How Initial pH Affects Waste Activated Sludge Solubilization and Dewaterability in Freezing and Thawing Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15822-15831.	3.2	35
121	Clarifying the Role of Free Ammonia in the Production of Short-Chain Fatty Acids from Waste Activated Sludge Anaerobic Fermentation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14104-14113.	3.2	73
122	Sulfate radical induced degradation of Methyl Violet azo dye with CuFe layered doubled hydroxide as heterogeneous photoactivator of persulfate. <i>Journal of Environmental Management</i> , 2018, 227, 406-414.	3.8	77
123	Free ammonia-based pretreatment enhances phosphorus release and recovery from waste activated sludge. <i>Chemosphere</i> , 2018, 213, 276-284.	4.2	70
124	Free Ammonia-Based Pretreatment Promotes Short-Chain Fatty Acid Production from Waste Activated Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9120-9129.	3.2	79
125	Feasibility of enhancing short-chain fatty acids production from sludge anaerobic fermentation at free nitrous acid pretreatment: Role and significance of Tea saponin. <i>Bioresource Technology</i> , 2018, 254, 194-202.	4.8	79
126	How does free ammonia-based sludge pretreatment improve methane production from anaerobic digestion of waste activated sludge. <i>Chemosphere</i> , 2018, 206, 491-501.	4.2	50

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127	Synergistic effect of free nitrite acid integrated with biosurfactant alkyl polyglucose on sludge anaerobic fermentation. <i>Waste Management</i> , 2018, 78, 310-317.	3.7	17
128	Enhanced dewaterability of waste activated sludge with Fe(II)-activated hypochlorite treatment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27628-27638.	2.7	32
129	Improved methane production from waste activated sludge by combining free ammonia with heat pretreatment: Performance, mechanisms and applications. <i>Bioresource Technology</i> , 2018, 268, 230-236.	4.8	77
130	Sulfamethazine (SMZ) affects fermentative short-chain fatty acids production from waste activated sludge. <i>Science of the Total Environment</i> , 2018, 639, 1471-1479.	3.9	51
131	Feasibility of enhancing short-chain fatty acids production from waste activated sludge after free ammonia pretreatment: Role and significance of rhamnolipid. <i>Bioresource Technology</i> , 2018, 267, 141-148.	4.8	70
132	Highly-efficient degradation of amiloride by sulfate radicals-based photocatalytic processes: Reactive kinetics, degradation products and mechanism. <i>Chemical Engineering Journal</i> , 2018, 354, 983-994.	6.6	55
133	Free nitrous acid promotes hydrogen production from dark fermentation of waste activated sludge. <i>Water Research</i> , 2018, 145, 113-124.	5.3	137
134	Perchlorate bioreduction linked to methane oxidation in a membrane biofilm reactor: Performance and microbial community structure. <i>Journal of Hazardous Materials</i> , 2018, 357, 244-252.	6.5	36
135	The fate of cyanuric acid in biological wastewater treatment system and its impact on biological nutrient removal. <i>Journal of Environmental Management</i> , 2018, 206, 901-909.	3.8	24
136	Is denitrifying anaerobic methane oxidation-centered technologies a solution for the sustainable operation of wastewater treatment Plants?. <i>Bioresource Technology</i> , 2017, 234, 456-465.	4.8	117
137	Wastewater Opportunities for Denitrifying Anaerobic Methane Oxidation. <i>Trends in Biotechnology</i> , 2017, 35, 799-802.	4.9	85
138	Stable Zr(IV)-Based Metal-Organic Frameworks with Predesigned Functionalized Ligands for Highly Selective Detection of Fe(III) Ions in Water. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10286-10295.	4.0	371
139	Heterogeneous activation of peroxymonosulfate by Fe-Co layered double hydroxide for efficient catalytic degradation of Rhodamine B. <i>Chemical Engineering Journal</i> , 2017, 321, 222-232.	6.6	344
140	Approach of describing dynamic production of volatile fatty acids from sludge alkaline fermentation. <i>Bioresource Technology</i> , 2017, 238, 343-351.	4.8	73
141	Potential impact of salinity on methane production from food waste anaerobic digestion. <i>Waste Management</i> , 2017, 67, 308-314.	3.7	123
142	Enhanced visible-light-driven photocatalytic removal of refractory pollutants by Zn/Fe mixed metal oxide derived from layered double hydroxide. <i>Catalysis Communications</i> , 2017, 99, 15-19.	1.6	54
143	Visible-light photocatalytic degradation of multiple antibiotics by AgI nanoparticle-sensitized Bi ₅ O ₇ I microspheres: Enhanced interfacial charge transfer based on Z-scheme heterojunctions. <i>Journal of Catalysis</i> , 2017, 352, 160-170.	3.1	92
144	Graphene oxide and carbon nitride nanosheets co-modified silver chromate nanoparticles with enhanced visible-light photoactivity and anti-photocorrosion properties towards multiple refractory pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 493-505.	10.8	158

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145	Novel ternary heterojunction photocatalyst of Ag nanoparticles and g-C ₃ N ₄ nanosheets co-modified BiVO ₄ for wider spectrum visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 133-147.	10.8	343
146	Effects of different ratios of glucose to acetate on phosphorus removal and microbial community of enhanced biological phosphorus removal (EBPR) system. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4494-4505.	2.7	18
147	Nickel toxicity to the performance and microbial community of enhanced biological phosphorus removal system. <i>Chemical Engineering Journal</i> , 2017, 313, 415-423.	6.6	61
148	Triclocarban enhances short-chain fatty acids production from anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 127, 150-161.	5.3	150
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