

Dongbo Wang

List of Publications by Year in descending order

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Version: 2024-02-01

210
papers

13,806
citations

13068

68
h-index

26548

107
g-index

212
all docs

212
docs citations

212
times ranked

8359
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical assembly of graphene-bridged Ag ₃ PO ₄ /Ag/BiVO ₄ (040) Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced visible-light photoactivity towards tetracycline degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 330-342.	10.8	752
2	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
3	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO ₄ Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32887-32900.	4.0	407
4	Various cell architectures of capacitive deionization: Recent advances and future trends. <i>Water Research</i> , 2019, 150, 225-251.	5.3	298
5	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
6	The roles of free ammonia (FA) in biological wastewater treatment processes: A review. <i>Environment International</i> , 2019, 123, 10-19.	4.8	294
7	Adsorption of phosphate from aqueous solution using iron-zirconium modified activated carbon nanofiber: Performance and mechanism. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 17-23.	5.0	267
8	Free nitrous acid serving as a pretreatment method for alkaline fermentation to enhance short-chain fatty acid production from waste activated sludge. <i>Water Research</i> , 2015, 78, 111-120.	5.3	189
9	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
10	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
11	Potential influences of exogenous pollutants occurred in waste activated sludge on anaerobic digestion: A review. <i>Journal of Hazardous Materials</i> , 2020, 383, 121176.	6.5	182
12	Enhanced dewaterability of waste activated sludge by Fe(II)-activated peroxymonosulfate oxidation. <i>Bioresource Technology</i> , 2016, 206, 134-140.	4.8	179
13	Photo-reduction of bromate in drinking water by metallic Ag and reduced graphene oxide (RGO) jointly modified BiVO ₄ under visible light irradiation. <i>Water Research</i> , 2016, 101, 555-563.	5.3	170
14	Free ammonia enhances dark fermentative hydrogen production from waste activated sludge. <i>Water Research</i> , 2018, 133, 272-281.	5.3	163
15	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
16	Understanding and mitigating the toxicity of cadmium to the anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 124, 269-279.	5.3	157
17	Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2018, 130, 281-290.	5.3	156
18	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

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19	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
20	Fe(II) catalyzing sodium percarbonate facilitates the dewaterability of waste activated sludge: Performance, mechanism, and implication. <i>Water Research</i> , 2020, 174, 115626.	5.3	150
21	Advances in enhanced volatile fatty acid production from anaerobic fermentation of waste activated sludge. <i>Science of the Total Environment</i> , 2019, 694, 133741.	3.9	149
22	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
23	Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6434-6470.	5.2	140
24	An efficient and green pretreatment to stimulate short-chain fatty acids production from waste activated sludge anaerobic fermentation using free nitrous acid. <i>Chemosphere</i> , 2016, 144, 160-167.	4.2	137
25	Free nitrous acid promotes hydrogen production from dark fermentation of waste activated sludge. <i>Water Research</i> , 2018, 145, 113-124.	5.3	137
26	Aged refuse enhances anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2017, 123, 724-733.	5.3	136
27	Effect of ciprofloxacin on biological nitrogen and phosphorus removal from wastewater. <i>Science of the Total Environment</i> , 2017, 605-606, 368-375.	3.9	127
28	How Does Poly(hydroxyalkanoate) Affect Methane Production from the Anaerobic Digestion of Waste-Activated Sludge?. <i>Environmental Science & Technology</i> , 2015, 49, 12253-12262.	4.6	125
29	How does zero valent iron activating peroxydisulfate improve the dewatering of anaerobically digested sludge?. <i>Water Research</i> , 2019, 163, 114912.	5.3	124
30	Potential impact of salinity on methane production from food waste anaerobic digestion. <i>Waste Management</i> , 2017, 67, 308-314.	3.7	123
31	Different activation methods in sulfate radical-based oxidation for organic pollutants degradation: Catalytic mechanism and toxicity assessment of degradation intermediates. <i>Science of the Total Environment</i> , 2021, 772, 145522.	3.9	123
32	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
33	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
34	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
35	Recyclable zero-valent iron activating peroxymonosulfate synchronously combined with thermal treatment enhances sludge dewaterability by altering physicochemical and biological properties. <i>Bioresource Technology</i> , 2018, 262, 294-301.	4.8	115
36	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

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37	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
38	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
39	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
40	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
41	Revealing the Underlying Mechanisms of How Sodium Chloride Affects Short-Chain Fatty Acid Production from the Cofermentation of Waste Activated Sludge and Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4675-4684.	3.2	92
42	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
43	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
44	Effect of polyhydroxyalkanoates on dark fermentative hydrogen production from waste activated sludge. <i>Water Research</i> , 2015, 73, 311-322.	5.3	88
45	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
46	Recent advances in partial denitrification-anaerobic ammonium oxidation process for mainstream municipal wastewater treatment. <i>Chemosphere</i> , 2021, 278, 130436.	4.2	88
47	Evaluation of Nitrous Oxide Emission from Sulfide- and Sulfur-Based Autotrophic Denitrification Processes. <i>Environmental Science & Technology</i> , 2016, 50, 9407-9415.	4.6	85
48	Wastewater Opportunities for Denitrifying Anaerobic Methane Oxidation. <i>Trends in Biotechnology</i> , 2017, 35, 799-802.	4.9	85
49	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
50	Advanced landfill leachate treatment using iron-carbon microelectrolysis- Fenton process: Process optimization and column experiments. <i>Journal of Hazardous Materials</i> , 2016, 318, 460-467.	6.5	83
51	Free nitrous acid-based nitrifying sludge treatment in a two-sludge system enhances nutrient removal from low-carbon wastewater. <i>Bioresource Technology</i> , 2017, 244, 920-928.	4.8	83
52	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. <i>Bioresource Technology</i> , 2020, 306, 123159.	4.8	83
53	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
54	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

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55	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
56	New perspectives on microbial communities and biological nitrogen removal processes in wastewater treatment systems. <i>Bioresource Technology</i> , 2020, 297, 122491.	4.8	78
57	Sulfate radical induced degradation of Methyl Violet azo dye with CuFe layered double hydroxide as heterogeneous photoactivator of persulfate. <i>Journal of Environmental Management</i> , 2018, 227, 406-414.	3.8	77
58	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
59	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
60	How Does Chitosan Affect Methane Production in Anaerobic Digestion?. <i>Environmental Science & Technology</i> , 2021, 55, 15843-15852.	4.6	76
61	Interaction between perfluorooctanoic acid and aerobic granular sludge. <i>Water Research</i> , 2020, 169, 115249.	5.3	75
62	Approach of describing dynamic production of volatile fatty acids from sludge alkaline fermentation. <i>Bioresource Technology</i> , 2017, 238, 343-351.	4.8	73
63	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
64	Enhanced dewaterability of anaerobically digested sludge by in-situ free nitrous acid treatment. <i>Water Research</i> , 2020, 169, 115264.	5.3	73
65	Enhanced Short-Chain Fatty Acids from Waste Activated Sludge by Heat ² Advanced Thermal Hydrolysis Pretreatment: Parameter Optimization, Mechanisms, and Implications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3544-3555.	3.2	71
66	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
67	Free ammonia-based pretreatment enhances phosphorus release and recovery from waste activated sludge. <i>Chemosphere</i> , 2018, 213, 276-284.	4.2	70
68	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
69	<i>In situ</i> chemical oxidation: peroxide or persulfate coupled with membrane technology for wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11944-11960.	5.2	69
70	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
71	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
72	A "bottle-around-ship"-like method synthesized yolk-shell Ag ₃ PO ₄ @MIL-53(Fe) Z-scheme photocatalysts for enhanced tetracycline removal. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 501-511.	5.0	67

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73	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
74	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
75	Heat pretreatment assists free ammonia to enhance hydrogen production from waste activated sludge. <i>Bioresource Technology</i> , 2019, 283, 316-325.	4.8	65
76	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
77	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
78	Recent advances in nitrous oxide production and mitigation in wastewater treatment. <i>Water Research</i> , 2020, 184, 116168.	5.3	61
79	Effect of triclocarban on hydrogen production from dark fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2019, 279, 307-316.	4.8	60
80	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
81	Effect of nickel on the flocculability, settleability, and dewaterability of activated sludge. <i>Bioresource Technology</i> , 2017, 224, 188-196.	4.8	55
82	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
83	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
84	In-situ growth of β -Bi ₂ O ₃ nanosheets on g-C ₃ N ₄ to construct direct Z-scheme heterojunction with enhanced photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157795.	2.8	54
85	Enhanced ciprofloxacin removal by sludge-derived biochar: Effect of humic acid. <i>Chemosphere</i> , 2019, 231, 495-501.	4.2	53
86	Evaluating the potential impact of hydrochar on the production of short-chain fatty acid from sludge anaerobic digestion. <i>Bioresource Technology</i> , 2017, 246, 234-241.	4.8	52
87	Mechanisms of Persistence of the Ammonia-Oxidizing Bacteria <i>Nitrosomonas</i> to the Biocide Free Nitrous Acid. <i>Environmental Science & Technology</i> , 2018, 52, 5386-5397.	4.6	52
88	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
89	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
90	Enhanced production of short-chain fatty acid from food waste stimulated by alkyl polyglycosides and its mechanism. <i>Waste Management</i> , 2015, 46, 133-139.	3.7	51

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91	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
92	Effective adsorption/electrocatalytic degradation of perchlorate using Pd/Pt supported on N-doped activated carbon fiber cathode. <i>Journal of Hazardous Materials</i> , 2017, 323, 602-610.	6.5	50
93	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
94	Influence of roxithromycin as antibiotic residue on volatile fatty acids recovery in anaerobic fermentation of waste activated sludge. <i>Journal of Hazardous Materials</i> , 2020, 394, 122570.	6.5	50
95	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
96	Peroxide/Zero-valent iron (Fe ⁰) pretreatment for promoting dewaterability of anaerobically digested sludge: A mechanistic study. <i>Journal of Hazardous Materials</i> , 2020, 400, 123112.	6.5	49
97	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
98	Effect of lignin on short-chain fatty acids production from anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2022, 212, 118082.	5.3	48
99	Inducing mechanism of biological phosphorus removal driven by the aerobic/extended-idle regime. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2798-2807.	1.7	47
100	Effect of acetate to glycerol ratio on enhanced biological phosphorus removal. <i>Chemosphere</i> , 2018, 196, 78-86.	4.2	47
101	Influence of surfactants on anaerobic digestion of waste activated sludge: acid and methane production and pollution removal. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 746-757.	5.1	47
102	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
103	A Critical Review on Nitrous Oxide Production by Ammonia-Oxidizing Archaea. <i>Environmental Science & Technology</i> , 2020, 54, 9175-9190.	4.6	47
104	Enhanced volatile fatty acids production from waste activated sludge with synchronous phosphorus fixation and pathogens inactivation by calcium hypochlorite stimulation. <i>Science of the Total Environment</i> , 2020, 712, 136500.	3.9	47
105	Enhancing autotrophic nitrogen removal with a novel dissolved oxygen-differentiated airlift internal circulation reactor: Long-term operational performance and microbial characteristics. <i>Journal of Environmental Management</i> , 2021, 296, 113271.	3.8	46
106	Biohythane production and microbial characteristics of two alternating mesophilic and thermophilic two-stage anaerobic co-digesters fed with rice straw and pig manure. <i>Bioresource Technology</i> , 2021, 320, 124303.	4.8	45
107	Free ammonia-based sludge treatment reduces sludge production in the wastewater treatment process. <i>Chemosphere</i> , 2018, 205, 484-492.	4.2	44
108	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

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109	High-performance photocatalytic decomposition of PFOA by BiOX/TiO ₂ heterojunctions: Self-induced inner electric fields and band alignment. <i>Journal of Hazardous Materials</i> , 2022, 430, 128195.	6.5	43
110	The behavior of melamine in biological wastewater treatment system. <i>Journal of Hazardous Materials</i> , 2017, 322, 445-453.	6.5	41
111	Facile synthesis of Mn, Ce co-doped g-C ₃ N ₄ composite for peroxymonosulfate activation towards organic contaminant degradation. <i>Chemosphere</i> , 2022, 293, 133472.	4.2	41
112	Self-assembly Z-scheme heterostructured photocatalyst of Ag ₂ O@Ag-modified bismuth vanadate for efficient photocatalytic degradation of single and dual organic pollutants under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 60291-60307.	1.7	39
113	Persulfate and zero valent iron combined conditioning as a sustainable technique for enhancing dewaterability of aerobically digested sludge. <i>Chemosphere</i> , 2019, 232, 45-53.	4.2	39
114	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
115	Insights into the synergy between functional microbes and dissolved oxygen partition in the single-stage partial nitrification-anammox granules system. <i>Bioresource Technology</i> , 2022, 347, 126364.	4.8	39
116	New insights into different surfactants' impacts on sludge fermentation: Focusing on the particular metabolic processes and microbial genetic traits. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	39
117	Photochemical decomposition of perfluorochemicals in contaminated water. <i>Water Research</i> , 2020, 186, 116311.	5.3	37
118	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
119	2D/2D FeNi-layered double hydroxide/bimetal-MOFs nanosheets for enhanced photo-Fenton degradation of antibiotics: Performance and synergetic degradation mechanism. <i>Chemosphere</i> , 2022, 287, 132061.	4.2	35
120	Enhancing Methane Production from Anaerobic Digestion of Waste Activated Sludge through a Novel Sodium Percarbonate (SPC) Pretreatment: Reaction Kinetics and Mechanisms. <i>ACS ES&T Engineering</i> , 2022, 2, 1326-1340.	3.7	35
121	Free Ammonia Pretreatment To Improve Bio-hydrogen Production from Anaerobic Dark Fermentation of Microalgae. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1642-1647.	3.2	34
122	Improving Medium-Chain Fatty Acid Production from Anaerobic Fermentation of Waste Activated Sludge Using Free Ammonia. <i>ACS ES&T Engineering</i> , 2021, 1, 478-489.	3.7	33
123	Response of soil protozoa to acid mine drainage in a contaminated terrace. <i>Journal of Hazardous Materials</i> , 2022, 421, 126790.	6.5	33
124	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
125	Combined Effect of Free Nitrous Acid Pretreatment and Sodium Dodecylbenzene Sulfonate on Short-Chain Fatty Acid Production from Waste Activated Sludge. <i>Scientific Reports</i> , 2016, 6, 21622.	1.6	31
126	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

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127	Substrate Diffusion within Biofilms Significantly Influencing the Electron Competition during Denitrification. <i>Environmental Science & Technology</i> , 2019, 53, 261-269.	4.6	31
128	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
129	One-pot synthesis of oxygen-vacancy-rich Cu-doped UiO-66 for collaborative adsorption and photocatalytic degradation of ciprofloxacin. <i>Science of the Total Environment</i> , 2022, 815, 151962.	3.9	31
130	Effect of sodium dodecylbenzene sulfonate on hydrogen production from dark fermentation of waste activated sludge. <i>Science of the Total Environment</i> , 2021, 799, 149383.	3.9	30
131	An efficient process for wastewater treatment to mitigate free nitrous acid generation and its inhibition on biological phosphorus removal. <i>Scientific Reports</i> , 2015, 5, 8602.	1.6	28
132	Supramolecular self-assembled carbon nitride for the degradation of tetracycline hydrochloride. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9380-9386.	1.1	28
133	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
134	The fate and impact of TCC in nitrifying cultures. <i>Water Research</i> , 2020, 178, 115851.	5.3	28
135	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
136	Insights into the toxicity of troclocarban to anaerobic digestion: Sludge characteristics and methane production. <i>Journal of Hazardous Materials</i> , 2020, 385, 121615.	6.5	27
137	The impact and fate of clarithromycin in anaerobic digestion of waste activated sludge for biogas production. <i>Environmental Research</i> , 2021, 195, 110792.	3.7	27
138	Nitrous oxide production from wastewater treatment: The potential as energy resource rather than potent greenhouse gas. <i>Journal of Hazardous Materials</i> , 2020, 387, 121694.	6.5	26
139	Self-assembly synthesis of petal-like Cl-doped g-C ₃ N ₄ nanosheets with tunable band structure for enhanced photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125780.	2.3	26
140	Complete bromate and nitrate reduction using hydrogen as the sole electron donor in a rotating biofilm-electrode reactor. <i>Journal of Hazardous Materials</i> , 2016, 307, 82-90.	6.5	25
141	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
142	Revealing the intrinsic drawbacks of waste activated sludge for efficient anaerobic digestion and the potential mitigation strategies. <i>Bioresource Technology</i> , 2022, 345, 126482.	4.8	25
143	Assessment of Heterotrophic Growth Supported by Soluble Microbial Products in Anammox Biofilm using Multidimensional Modeling. <i>Scientific Reports</i> , 2016, 6, 27576.	1.6	24
144	New insight into modification of extracellular polymeric substances extracted from waste activated sludge by homogeneous Fe(II)/persulfate process. <i>Chemosphere</i> , 2020, 247, 125804.	4.2	24

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145	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
146	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
147	Phase Equilibria of <i>trans</i> -1,3,3,3-Tetrafluoropropene with Three Imidazolium Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1825-1831.	1.0	22
148	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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