

Nanwen Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4908471/publications.pdf>

Version: 2024-02-01

135
papers

5,539
citations

81900

39
h-index

98798

67
g-index

135
all docs

135
docs citations

135
times ranked

5604
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the Stability of CH ₃ NH ₃ PbBr ₃ Quantum Dots by Embedding in Silica Spheres Derived from Tetramethyl Orthosilicate in "Waterless" Toluene. <i>Journal of the American Chemical Society</i> , 2016, 138, 5749-5752.	13.7	501
2	Morphology Evolution and Degradation of CsPbBr ₃ Nanocrystals under Blue Light-Emitting Diode Illumination. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7249-7258.	8.0	314
3	Progress in inhibition mechanisms and process control of intermediates and by-products in sewage sludge anaerobic digestion. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 429-438.	16.4	248
4	Insight into the enhanced sludge dewaterability by tannic acid conditioning and pH regulation. <i>Science of the Total Environment</i> , 2019, 679, 298-306.	8.0	167
5	Preparation of sludge-based activated carbon and its application in dye wastewater treatment. <i>Journal of Hazardous Materials</i> , 2008, 153, 22-27.	12.4	152
6	Adsorption and Fenton-like degradation of naphthalene dye intermediate on sewage sludge derived porous carbon. <i>Journal of Hazardous Materials</i> , 2013, 246-247, 145-153.	12.4	124
7	The identification and health risk assessment of odor emissions from waste landfilling and composting. <i>Science of the Total Environment</i> , 2019, 649, 1038-1044.	8.0	118
8	Dewaterability characteristics of sludge conditioned with surfactants pretreatment by electrolysis. <i>Bioresource Technology</i> , 2011, 102, 2308-2315.	9.6	107
9	Biostimulation by direct voltage to enhance anaerobic digestion of waste activated sludge. <i>RSC Advances</i> , 2016, 6, 1581-1588.	3.6	98
10	Leaching behavior of heavy metals from sewage sludge solidified by cement-based binders. <i>Chemosphere</i> , 2013, 92, 344-350.	8.2	92
11	Sludge-based biochar-assisted thermophilic anaerobic digestion of waste-activated sludge in microbial electrolysis cell for methane production. <i>Bioresource Technology</i> , 2019, 284, 315-324.	9.6	87
12	Role of redox-active biochar with distinctive electrochemical properties to promote methane production in anaerobic digestion of waste activated sludge. <i>Journal of Cleaner Production</i> , 2021, 278, 123212.	9.3	83
13	A review of pristine and modified biochar immobilizing typical heavy metals in soil: Applications and challenges. <i>Journal of Hazardous Materials</i> , 2022, 432, 128668.	12.4	83
14	A sustainable reuse strategy of converting waste activated sludge into biochar for contaminants removal from water: Modifications, applications and perspectives. <i>Journal of Hazardous Materials</i> , 2022, 438, 129437.	12.4	80
15	Pyrolytic temperature dependent conversion of sewage sludge to carbon catalyst and their performance in persulfate degradation of 2-Naphthol. <i>Chemical Engineering Journal</i> , 2017, 324, 203-215.	12.7	79
16	Recycling of spent nickel-cadmium batteries based on bioleaching process. <i>Waste Management</i> , 2003, 23, 703-708.	7.4	76
17	Chemical and microbial changes during autothermal thermophilic aerobic digestion (ATAD) of sewage sludge. <i>Bioresource Technology</i> , 2010, 101, 9438-9444.	9.6	74
18	Enhancement of anaerobic digestion of waste activated sludge by electrochemical pretreatment. <i>Fuel</i> , 2014, 130, 279-285.	6.4	73

#	ARTICLE	IF	CITATIONS
19	Degradation pathway of the naphthalene azo dye intermediate 1-diazo-2-naphthol-4-sulfonic acid using Fenton's reagent. <i>Water Research</i> , 2012, 46, 3859-3867.	11.3	72
20	Biofuels from food processing wastes. <i>Current Opinion in Biotechnology</i> , 2016, 38, 97-105.	6.6	72
21	A novel conditioning approach for amelioration of sludge dewaterability using activated carbon strengthening electrochemical oxidation and realized mechanism. <i>Water Research</i> , 2022, 220, 118704.	11.3	72
22	Near-infrared photocatalyst of Er ³⁺ /Yb ³⁺ codoped (CaF ₂ @TiO ₂) nanoparticles with active-core/active-shell structure. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7874.	10.3	70
23	Variations of organic matters and microbial community in thermophilic anaerobic digestion of waste activated sludge with the addition of ferric salts. <i>Bioresource Technology</i> , 2015, 179, 291-298.	9.6	69
24	Near-infrared photocatalysts of BiVO ₄ /CaF ₂ :Er ³⁺ , Tm ³⁺ , Yb ³⁺ with enhanced upconversion properties. <i>Nanoscale</i> , 2014, 6, 1362-1368.	5.6	67
25	Anaerobic digestion of waste activated sludge with incineration bottom ash: Enhanced methane production and CO ₂ sequestration. <i>Applied Energy</i> , 2018, 215, 503-511.	10.1	63
26	Near-infrared responsive Z-scheme heterojunction with strong stability and ultra-high quantum efficiency constructed by lanthanide-doped glass. <i>Applied Catalysis B: Environmental</i> , 2022, 311, 121363.	20.2	63
27	Enhancement of waste activated sludge dewaterability by ultrasound-activated persulfate oxidation: Operation condition, sludge properties, and mechanisms. <i>Chemosphere</i> , 2021, 262, 128385.	8.2	62
28	Near-infrared responsive upconversion glass-ceramic@BiOBr heterojunction for enhanced photodegradation performances of norfloxacin. <i>Journal of Hazardous Materials</i> , 2021, 403, 123981.	12.4	57
29	Heavy metal recovery from electroplating wastewater by synthesis of mixed-Fe ₃ O ₄ @SiO ₂ /metal oxide magnetite photocatalysts. <i>Green Chemistry</i> , 2014, 16, 2696-2705.	9.0	56
30	Preparation of sludge derived magnetic porous carbon and their application in Fenton-like degradation of 1-diazo-2-naphthol-4-sulfonic acid. <i>Bioresource Technology</i> , 2012, 118, 638-642.	9.6	55
31	Conditioning of sewage sludge with electrolysis: Effectiveness and optimizing study to improve dewaterability. <i>Bioresource Technology</i> , 2010, 101, 4285-4290.	9.6	53
32	Dosing time of ferric chloride to disinhibit the excessive volatile fatty acids in sludge thermophilic anaerobic digestion system. <i>Bioresource Technology</i> , 2015, 189, 154-161.	9.6	53
33	Redox-Active Biochar and Conductive Graphite Stimulate Methanogenic Metabolism in Anaerobic Digestion of Waste-Activated Sludge: Beyond Direct Interspecies Electron Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12626-12636.	6.7	50
34	Application of CaO ₂ -enhanced peroxone process to adjust waste activated sludge characteristics for dewaterability amelioration: Molecular transformation of dissolved organic matters and realized mechanism of deep-dewatering. <i>Chemical Engineering Journal</i> , 2022, 437, 135306.	12.7	50
35	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment. <i>Chemical Engineering Journal</i> , 2011, 174, 564-570.	12.7	49
36	Effect of plant harvest on methane emission from two constructed wetlands designed for the treatment of wastewater. <i>Journal of Environmental Management</i> , 2007, 85, 936-943.	7.8	48

#	ARTICLE	IF	CITATIONS
37	Anammox process dosed with biochars for enhanced nitrogen removal: Role of surface functional groups. <i>Science of the Total Environment</i> , 2020, 748, 141367.	8.0	47
38	The degradation processes of refractory substances in nanofiltration concentrated leachate using micro-ozonation. <i>Waste Management</i> , 2017, 69, 274-280.	7.4	45
39	Buffering phosphate mitigates ammonia emission in sewage sludge composting: Enhanced organics removal coupled with microbial ammonium assimilation. <i>Journal of Cleaner Production</i> , 2019, 227, 189-198.	9.3	45
40	Isolation, identification and utilization of thermophilic strains in aerobic digestion of sewage sludge. <i>Water Research</i> , 2011, 45, 5959-5968.	11.3	40
41	Response of sludge fermentation liquid and microbial community to nano zero-valent iron exposure in a mesophilic anaerobic digestion system. <i>RSC Advances</i> , 2016, 6, 24236-24244.	3.6	40
42	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: Stabilization process and mechanism. <i>Bioresource Technology</i> , 2012, 104, 266-273.	9.6	39
43	Enhanced waste activated sludge dewaterability by tannic acid conditioning: Efficacy, process parameters, role and mechanism studies. <i>Journal of Cleaner Production</i> , 2019, 241, 118287.	9.3	39
44	Insight into a new two-step approach of ozonation and chitosan conditioning for sludge deep-dewatering. <i>Science of the Total Environment</i> , 2019, 697, 134032.	8.0	39
45	Anaerobic ammonium oxidation (anammox) promoted by pyrogenic biochar: Deciphering the interaction with extracellular polymeric substances (EPS). <i>Science of the Total Environment</i> , 2022, 802, 149884.	8.0	38
46	Improved understanding of dissolved organic matter transformation in concentrated leachate induced by hydroxyl radicals and reactive chlorine species. <i>Journal of Hazardous Materials</i> , 2020, 387, 121702.	12.4	37
47	Molecular insight into variations of dissolved organic matters in leachates along China's largest A/O-MBR-NF process to improve the removal efficiency. <i>Chemosphere</i> , 2020, 243, 125354.	8.2	35
48	A novel Fe ²⁺ /persulfate/tannic acid process with strengthened efficacy on enhancing waste activated sludge dewaterability and mechanism insight. <i>Science of the Total Environment</i> , 2020, 733, 139146.	8.0	35
49	Pilot-scale study of enhanced anaerobic digestion of waste activated sludge by electrochemical and sodium hypochlorite combination pretreatment. <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 227-234.	3.9	34
50	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: Effects of temperature on stabilization process and sludge properties. <i>Chemical Engineering Journal</i> , 2012, 197, 223-230.	12.7	33
51	CaF ₂ -Based Near-Infrared Photocatalyst Using the Multifunctional CaTiO ₃ Precursors as the Calcium Source. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20170-20178.	8.0	33
52	An in-depth study on the deep-dewatering mechanism of waste activated sludge by ozonation pre-oxidation and chitosan re-flocculation conditioning. <i>Science of the Total Environment</i> , 2020, 714, 136627.	8.0	33
53	Facile synthesis of magnetic sludge-based carbons by using Electro-Fenton activation and its performance in dye degradation. <i>Bioresource Technology</i> , 2017, 241, 391-396.	9.6	32
54	Preparation of sewage sludge based activated carbon by using Fenton's reagent and their use in 2-Naphthol adsorption. <i>Bioresource Technology</i> , 2013, 146, 779-784.	9.6	31

#	ARTICLE	IF	CITATIONS
55	Methane-rich biogas production from waste-activated sludge with the addition of ferric chloride under a thermophilic anaerobic digestion system. <i>RSC Advances</i> , 2015, 5, 38538-38546.	3.6	31
56	Improved sludge dewaterability by tannic acid conditioning: Temperature, thermodynamics and mechanism studies. <i>Chemosphere</i> , 2019, 230, 14-23.	8.2	31
57	Synergy between denitrification and calcium bridging improves dewaterability of waste activated sludge. <i>Journal of Cleaner Production</i> , 2020, 242, 118438.	9.3	31
58	A new environment-friendly polyferric sulfate-catalyzed ozonation process for sludge conditioning to achieve deep dewatering and simultaneous detoxification. <i>Journal of Cleaner Production</i> , 2022, 359, 132049.	9.3	31
59	Enhancing upconversion emissions of Er ³⁺ /Tm ³⁺ /Yb ³⁺ tridoped (NaY(WO ₄) ₂ /YF ₃) through TiO ₂ coating and Bi ³⁺ doping and its photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 313-321.	20.2	30
60	Upconversion assisted BiOI/ZnWO ₄ :Er ³⁺ , Tm ³⁺ , Yb ³⁺ heterostructures with enhanced visible and near-infrared photocatalytic activities. <i>RSC Advances</i> , 2014, 4, 61679-61686.	3.6	29
61	An efficient near infrared photocatalyst of Er ³⁺ /Tm ³⁺ /Yb ³⁺ tridoped (CaWO ₄ @(TiO ₂ /CaF ₂)) with multi-stage CaF ₂ nanocrystal formation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16165-16174.	10.3	27
62	Environmental impacts of a large-scale incinerator with mixed MSW of high water content from a LCA perspective. <i>Journal of Environmental Sciences</i> , 2015, 30, 173-179.	6.1	27
63	Mitigating inhibition of undissociated volatile fatty acids (VFAs) for enhanced sludge-rice bran composting with ferric nitrate amendment. <i>Bioresource Technology</i> , 2017, 244, 672-678.	9.6	27
64	Removal and recovery of chloride ions in concentrated leachate by Bi(III) containing oxides quantum dots/two-dimensional flakes. <i>Journal of Hazardous Materials</i> , 2020, 382, 121041.	12.4	27
65	Metal recovery based magnetite near-infrared photocatalyst with broadband spectrum utilization property. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 456-464.	20.2	26
66	Pretreatment-promoted sludge fermentation liquor improves biological nitrogen removal: Molecular insight into the role of dissolved organic matter. <i>Bioresource Technology</i> , 2019, 293, 122082.	9.6	26
67	Kinetics and microbial community analysis of sludge anaerobic digestion based on Micro-direct current treatment under different initial pH values. <i>Energy</i> , 2016, 116, 677-686.	8.8	25
68	Disinhibition of the ammonium nitrogen in autothermal thermophilic aerobic digestion for sewage sludge by chemical precipitation. <i>Bioresource Technology</i> , 2014, 169, 686-691.	9.6	24
69	Occurrence of banned and commonly used pesticide residues in concentrated leachate: Implications for ecological risk assessment. <i>Science of the Total Environment</i> , 2020, 710, 136287.	8.0	24
70	Recovery of cathode materials from spent lithium-ion batteries and their application in preparing multi-metal oxides for the removal of oxygenated VOCs: Effect of synthetic methods. <i>Environmental Research</i> , 2021, 193, 110563.	7.5	24
71	Identifying the key sludge properties characteristics in Fe ²⁺ -activated persulfate conditioning for dewaterability amelioration and engineering implementation. <i>Journal of Environmental Management</i> , 2021, 296, 113204.	7.8	24
72	Defect-rich heterojunction photocatalyst originated from the removal of chloride ions and its degradation mechanism of norfloxacin. <i>Chemical Engineering Journal</i> , 2021, 421, 127852.	12.7	24

#	ARTICLE	IF	CITATIONS
73	Combined humic acid adsorption and enhanced Fenton processes for the treatment of naphthalene dye intermediate wastewater. <i>Journal of Hazardous Materials</i> , 2011, 198, 232-240.	12.4	23
74	Effect of dosing time on the ammonium nitrogen disinhibition in autothermal thermophilic aerobic digestion for sewage sludge by chemical precipitation. <i>Bioresource Technology</i> , 2013, 149, 225-231.	9.6	22
75	Combined Electrochemical and Hypochlorite Pretreatment for Improving Solubilization and Anaerobic Digestion of Waste-Activated Sludge: Effect of Hypochlorite Dosage. <i>Energy & Fuels</i> , 2016, 30, 2990-2996.	5.1	22
76	The synthetic effect on volatile fatty acid disinhibition and methane production enhancement by dosing FeCl ₃ in a sludge thermophilic anaerobic digestion system. <i>RSC Advances</i> , 2016, 6, 21090-21098.	3.6	22
77	In-situ biogas upgrading by a stepwise addition of ash additives: Methanogen adaptation and CO ₂ sequestration. <i>Bioresource Technology</i> , 2019, 282, 1-8.	9.6	22
78	Insight into the roles of electrolysis-activated persulfate oxidation in the waste activated sludge dewaterability: Effects and mechanism. <i>Journal of Environmental Management</i> , 2021, 297, 113342.	7.8	22
79	Disinhibition of excessive volatile fatty acids to improve the efficiency of autothermal thermophilic aerobic sludge digestion by chemical approach. <i>Bioresource Technology</i> , 2015, 175, 120-127.	9.6	20
80	Insights into the enhancement of waste activated sludge dewaterability using sodium dichloroisocyanurate and dodecyl dimethyl ammonium chloride: Performance, mechanism, and implication. <i>Science of the Total Environment</i> , 2021, 778, 146302.	8.0	20
81	Enhanced waste activated sludge dewaterability by the ozone-peroxymonosulfate oxidation process: Performance, sludge characteristics, and implication. <i>Science of the Total Environment</i> , 2022, 807, 151025.	8.0	20
82	Enhancement of autothermal thermophilic aerobic digestion by chemical approach: Dosage of ferric nitrate on disinhibition of excessive volatile fatty acids. <i>Chemical Engineering Journal</i> , 2015, 265, 9-15.	12.7	19
83	Electrochemical pretreatment of waste activated sludge: effect of process conditions on sludge disintegration degree and methane production. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2935-2944.	2.2	19
84	Selective simplification and reinforcement of microbial community in autothermal thermophilic aerobic digestion to enhancing stabilization process of sewage sludge by conditioning with ferric nitrate. <i>Bioresource Technology</i> , 2016, 204, 106-113.	9.6	19
85	The extent of sludge solubilization allows to estimate the efficacy of ozonation for removal of polycyclic aromatic hydrocarbons (PAHs) in municipal sewage sludge. <i>Journal of Hazardous Materials</i> , 2021, 413, 125404.	12.4	19
86	Effect of temperature on the wastewater treatment of a novel anti-clogging soil infiltration system. <i>Ecological Engineering</i> , 2013, 57, 375-379.	3.6	18
87	Enhanced adsorptive removal of naphthalene intermediates from aqueous solution by introducing reed straw into sewage sludge-based activated carbon. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2043-2053.	5.3	18
88	The typical MSW odorants identification and the spatial odorants distribution in a large-scale transfer station. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7705-7713.	5.3	18
89	Exploring the efficacy and mechanism of tannic acid/Fe ³⁺ conditioning for enhancing waste activated sludge dewaterability. <i>Separation and Purification Technology</i> , 2020, 240, 116643.	7.9	18
90	A comparative study of aerobically digested and undigested sludge in preparation of magnetic chars and their application in 1-diazo-2-naphthol-4-sulfonic acid adsorption. <i>Bioresource Technology</i> , 2013, 136, 719-724.	9.6	17

#	ARTICLE	IF	CITATIONS
91	Efficient and regenerative near-infrared glass-ceramic photocatalyst fabricated by a facile in-situ etching method. <i>Chemical Engineering Journal</i> , 2020, 394, 124877.	12.7	17
92	Facile synthesis of porous TiO ₂ photocatalysts using waste sludge as the template. <i>Applied Surface Science</i> , 2015, 359, 917-922.	6.1	16
93	A biotech-systematic approach to select fungi for bioconversion of winery biomass wastes to nutrient-rich feed. <i>Chemical Engineering Research and Design</i> , 2016, 103, 60-68.	5.6	16
94	Nitrogen loss reduction by adding KH ₂ PO ₄ -K ₂ HPO ₄ buffer solution during composting of sewage sludge. <i>Bioresource Technology</i> , 2018, 264, 116-122.	9.6	16
95	Alleviating the nitrite stress on anaerobic ammonium oxidation by pyrolytic biochar. <i>Science of the Total Environment</i> , 2021, 774, 145800.	8.0	16
96	Comparison of photocatalytic activities between Er ³⁺ /Yb ³⁺ and Tm ³⁺ /Yb ³⁺ codoped (CaWO ₄ @(TiO ₂ /CaF ₂)) near-infrared photocatalysts. <i>Catalysis Communications</i> , 2015, 61, 6-10.	3.3	14
97	A sodium dichloroisocyanurate-based conditioning process for the improvement of sludge dewaterability and mechanism studies. <i>Journal of Environmental Management</i> , 2021, 284, 112020.	7.8	14
98	Towards efficient elimination of polycyclic aromatic hydrocarbons (PAHs) from waste activated sludge by ozonation. <i>Environmental Research</i> , 2021, 195, 110783.	7.5	13
99	Influence of sludge organic matter on elimination of polycyclic aromatic hydrocarbons (PAHs) from waste activated sludge by ozonation: Controversy over aromatic compounds. <i>Science of the Total Environment</i> , 2021, 797, 149232.	8.0	12
100	Double-Network Hydrogel: A Potential Practical Adsorbent for Critical Metals Extraction and Recovery from Water. <i>Environmental Science & Technology</i> , 2022, 56, 4715-4717.	10.0	12
101	Plant species as indicators of the extent of desertification in four sandy rangelands. <i>African Journal of Ecology</i> , 2007, 45, 94-102.	0.9	11
102	Greenhouse gas emission and its potential mitigation process from the waste sector in a large-scale exhibition. <i>Journal of Environmental Sciences</i> , 2015, 31, 44-50.	6.1	11
103	Distribution pattern and the risks of OPCs, PHAs and PCBs in aged refuses from landfill. <i>Waste Management</i> , 2016, 55, 330-335.	7.4	11
104	The progressive steps for TPH stripping and the decomposition of oil refinery sludge using microbubble ozonation. <i>Science of the Total Environment</i> , 2020, 712, 135631.	8.0	11
105	Quantifying the thermochemical pathways of soluble organics in sewage sludge flocs during pyrolysis for precursor optimization and by-product control. <i>Chemical Engineering Journal</i> , 2022, 444, 136627.	12.7	11
106	Semicontinuous Operation of One-Stage Autothermal Thermophilic Aerobic Digestion of Sewage Sludge: Effects of Retention Time. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 422-427.	1.4	10
107	Comparison of effects of ferric nitrate additions in thermophilic, mesophilic and psychrophilic aerobic digestion for sewage sludge. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 346-354.	5.3	10
108	Synthesis of an efficient lanthanide doped glass-ceramic based near-infrared photocatalyst by a completely waterless solid-state reaction method. <i>Dalton Transactions</i> , 2019, 48, 9925-9929.	3.3	10

#	ARTICLE	IF	CITATIONS
109	A comprehensive study on simultaneous enhancement of sludge dewaterability and elimination of polycyclic aromatic hydrocarbons by Fe ²⁺ catalyzing O ₃ process. <i>Science of the Total Environment</i> , 2022, 819, 152015.	8.0	10
110	Enhancement of sludge dewaterability by three-dimensional electrolysis with sludge-based particle electrodes. <i>Separation and Purification Technology</i> , 2022, 287, 120599.	7.9	10
111	An effective method for decentralized wastewater treatment: addition of polyurethane foam to subsurface wastewater infiltration system. <i>Desalination and Water Treatment</i> , 2013, 51, 6592-6600.	1.0	9
112	Variation of dissolved organic matter during excess sludge reduction in microbubble ozonation system. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6090-6098.	5.3	9
113	Treatment of fresh leachate by microaeration pretreatment combined with IC-AO ₂ process: Performance and mechanistic insight. <i>Science of the Total Environment</i> , 2021, 789, 147939.	8.0	8
114	Biomethane production from waste activated sludge promoted by sludge incineration bottom ash: The distinctive role of metal cations and inert fractions. <i>Science of the Total Environment</i> , 2022, 819, 153147.	8.0	8
115	Systematic understanding of char-volatile evolution and interaction mechanism during sewage sludge pyrolysis through in-situ tracking solid-state reaction and products fate. <i>Journal of Hazardous Materials</i> , 2022, 432, 128669.	12.4	8
116	Polyhexamethylene biguanidine used as a new type sewage sludge conditioning agent: Effect on sludge dewaterability and mechanism. <i>Journal of Environmental Management</i> , 2022, 315, 115146.	7.8	8
117	Bioleaching of spent Ni-Cd batteries and phylogenetic analysis of an acidophilic strain in acidified sludge. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 459-465.	0.8	7
118	Waste activated sludge conditioning in a new Fe ²⁺ /persulfate/tannic acid process: Effectiveness and optimization study to enhance dewaterability. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103785.	6.7	7
119	Influence of generated intermediates's interaction on heterogeneous Fenton's degradation of an azo dye 1-diazo-2-naphthol-4-sulfonic acid by using sludge based carbon as catalyst. <i>Journal of Hazardous Materials</i> , 2013, 263, 450-457.	12.4	6
120	Nitrate removal from landfill leachate by zerovalent iron (ZVI). <i>Desalination and Water Treatment</i> , 2014, 52, 7270-7276.	1.0	6
121	The influence of factors on dewaterability of one-stage autothermal thermophilic aerobically digested sludges. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 639-647.	3.6	5
122	Determination of the optimal dosing time of ferric nitrate on disinhibition of excessive volatile fatty acids in autothermal thermophilic aerobic digestion for sewage sludge. <i>RSC Advances</i> , 2015, 5, 43949-43955.	3.6	5
123	Effect on ceramic grade CaF ₂ recovery quality from the etching wastewater under the optimum sulfate content. <i>RSC Advances</i> , 2016, 6, 85870-85876.	3.6	5
124	Derivation of ecological criteria for copper in land-applied biosolids and biosolid-amended agricultural soils. <i>Journal of Environmental Management</i> , 2016, 183, 945-951.	7.8	5
125	Preparation of CaF ₂ /TiO ₂ /Ln ₂ Ti ₂ O ₇ (Ln = Er, Tm, Yb) based magnetite near-infrared photocatalyst supported on waste ferrite. <i>Materials Research Bulletin</i> , 2017, 86, 107-112.	5.2	5
126	Accelerated stabilization of high solid sludge by thermal hydrolysis pretreatment in autothermal thermophilic aerobic digestion (ATAD) process. <i>Journal of Environmental Management</i> , 2022, 318, 115615.	7.8	5

#	ARTICLE	IF	CITATIONS
127	Effect of layers composition on leachate property from functional layer embedded landfill. <i>Bioresource Technology</i> , 2011, 102, 7057-7063.	9.6	4
128	Indicating landfill stabilization state by using leachate property from Laogang Refuse Landfill. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 405-410.	6.0	4
129	Effects of ferric nitrate additions under different pH conditions on autothermal thermophilic aerobic digestion for sewage sludge. <i>RSC Advances</i> , 2015, 5, 90127-90134.	3.6	4
130	Performance and microbial communities of a batch anaerobic reactor treating liquid and high-solid sludge at thermophilic conditions. <i>RSC Advances</i> , 2016, 6, 99524-99531.	3.6	4
131	Studies on affecting factors and mechanism of treating decentralized domestic sewage by a novel anti-clogging soil infiltration system. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 3071-3077.	2.2	4
132	Evolution processes of trace metal speciation in leachates with different ages from Laogang Refuse Landfill, Shanghai. <i>Desalination and Water Treatment</i> , 2016, 57, 8583-8590.	1.0	3
133	Exogenous pH Buffer System with K ₂ HPO ₄ /KH ₂ PO ₄ Addition Improving Thermophilic High-Solid Anaerobic Digestion of Waste-Activated Sludge. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	1.4	1
134	Domestication of Oil-Degrading Strains and Bioremediation of Oil-Contaminated Soil in Daqing Oilfield. , 2009, , .		0
135	The Efficiency of Onsite Wastewater System with New Filler for the Treatment of Septic Tank Effluent. , 2009, , .		0