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	Anaerobic ammonium oxidation (anammox) promoted by pyrogenic biochar: Deciphering the interaction with extracellular polymeric substances (EPS). Science of the Total Environment, 2022, 802, 149884.	8.0	38
2	Enhanced waste activated sludge dewaterability by the ozone-peroxymonosulfate oxidation process: Performance, sludge characteristics, and implication. Science of the Total Environment, 2022, 807, 151025.	8.0	20
3	A comprehensive study on simultaneous enhancement of sludge dewaterability and elimination of polycyclic aromatic hydrocarbons by Fe2+ catalyzing O3 process. Science of the Total Environment, 2022, 819, 152015.	8.0	10
4	Enhancement of sludge dewaterability by three-dimensional electrolysis with sludge-based particle electrodes. Separation and Purification Technology, 2022, 287, 120599.	7.9	10
5	Biomethane production from waste activated sludge promoted by sludge incineration bottom ash: The distinctive role of metal cations and inert fractions. Science of the Total Environment, 2022, 819, 153147.	8.0	8
6	Double-Network Hydrogel: A Potential Practical Adsorbent for Critical Metals Extraction and Recovery from Water. Environmental Science & Technology, 2022, 56, 4715-4717.	10.0	12
7	Systematic understanding of char-volatile evolution and interaction mechanism during sewage sludge pyrolysis through in-situ tracking solid-state reaction and products fate. Journal of Hazardous Materials, 2022, 432, 128669.	12.4	8
8	A review of pristine and modified biochar immobilizing typical heavy metals in soil: Applications and challenges. Journal of Hazardous Materials, 2022, 432, 128668.	12.4	83
9	Application of CaO2-enhanced peroxone process to adjust waste activated sludge characteristics for dewaterability amelioration: Molecular transformation of dissolved organic matters and realized mechanism of deep-dewatering. Chemical Engineering Journal, 2022, 437, 135306.	12.7	50
10	Near-infrared responsive Z-scheme heterojunction with strong stability and ultra-high quantum efficiency constructed by lanthanide-doped glass. Applied Catalysis B: Environmental, 2022, 311, 121363.	20.2	63
11	A new environment-friendly polyferric sulfate-catalyzed ozonation process for sludge conditioning to achieve deep dewatering and simultaneous detoxification. Journal of Cleaner Production, 2022, 359, 132049.	9.3	31
12	Polyhexamethylene biguanidine used as a new type sewage sludge conditioning agent: Effect on sludge dewaterability and mechanism. Journal of Environmental Management, 2022, 315, 115146.	7.8	8
13	Quantifying the thermochemical pathways of soluble organics in sewage sludge flocs during pyrolysis for precursor optimization and by-product control. Chemical Engineering Journal, 2022, 444, 136627.	12.7	11
14	A novel conditioning approach for amelioration of sludge dewaterability using activated carbon strengthening electrochemical oxidation and realized mechanism. Water Research, 2022, 220, 118704.	11.3	72
15	A sustainable reuse strategy of converting waste activated sludge into biochar for contaminants removal from water: Modifications, applications and perspectives. Journal of Hazardous Materials, 2022, 438, 129437.	12.4	80
16	Accelerated stabilization of high solid sludge by thermal hydrolysis pretreatment in autothermal thermophilic aerobic digestion (ATAD) process. Journal of Environmental Management, 2022, 318, 115615.	7.8	5
17	Role of redox-active biochar with distinctive electrochemical properties to promote methane production in anaerobic digestion of waste activated sludge. Journal of Cleaner Production, 2021, 278, 123212.	9.3	83
18	Variation of dissolved organic matter during excess sludge reduction in microbubble ozonation system. Environmental Science and Pollution Research, 2021, 28, 6090-6098.	5.3	9

#	Article	IF	Citations
19	Near-infrared responsive upconversion glass-ceramic@BiOBr heterojunction for enhanced photodegradation performances of norfloxacin. Journal of Hazardous Materials, 2021, 403, 123981.	12.4	57
20	Enhancement of waste activated sludge dewaterability by ultrasound-activated persulfate oxidation: Operation condition, sludge properties, and mechanisms. Chemosphere, 2021, 262, 128385.	8.2	62
21	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. Environmental Research, 2021, 193, 110563.	7.5	24
22	Exogenous pH Buffer System with K2HPO4/KH2PO4 Addition Improving Thermophilic High-Solid Anaerobic Digestion of Waste-Activated Sludge. Journal of Environmental Engineering, ASCE, 2021, 147, .	1.4	1
23	A sodium dichloroisocyanurate-based conditioning process for the improvement of sludge dewaterability and mechanism studies. Journal of Environmental Management, 2021, 284, 112020.	7.8	14
24	Towards efficient elimination of polycyclic aromatic hydrocarbons (PAHs) from waste activated sludge by ozonation. Environmental Research, 2021, 195, 110783.	7.5	13
25	Alleviating the nitrite stress on anaerobic ammonium oxidation by pyrolytic biochar. Science of the Total Environment, 2021, 774, 145800.	8.0	16
26	Insights into the enhancement of waste activated sludge dewaterability using sodium dichloroisocyanurate and dodecyl dimethyl ammonium chloride: Performance, mechanism, and implication. Science of the Total Environment, 2021, 778, 146302.	8.0	20
27	The extent of sludge solubilization allows to estimate the efficacy of ozonation for removal of polycyclic aromatic hydrocarbons (PAHs) in municipal sewage sludge. Journal of Hazardous Materials, 2021, 413, 125404.	12.4	19
28	Identifying the key sludge properties characteristics in Fe2+-activated persulfate conditioning for dewaterability amelioration and engineering implementation. Journal of Environmental Management, 2021, 296, 113204.	7.8	24
29	Defect-rich heterojunction photocatalyst originated from the removal of chloride ions and its degradation mechanism of norfloxacin. Chemical Engineering Journal, 2021, 421, 127852.	12.7	24
30	Treatment of fresh leachate by microaeration pretreatment combined with IC-AO2 process: Performance and mechanistic insight. Science of the Total Environment, 2021, 789, 147939.	8.0	8
31	Insight into the roles of electrolysis-activated persulfate oxidation in the waste activated sludge dewaterability: Effects and mechanism. Journal of Environmental Management, 2021, 297, 113342.	7.8	22
32	Influence of sludge organic matter on elimination of polycyclic aromatic hydrocarbons (PAHs) from waste activated sludge by ozonation: Controversy over aromatic compounds. Science of the Total Environment, 2021, 797, 149232.	8.0	12
33	Removal and recovery of chloride ions in concentrated leachate by Bi(III) containing oxides quantum dots/two-dimensional flakes. Journal of Hazardous Materials, 2020, 382, 121041.	12.4	27
34	Synergy between denitrification and calcium bridging improves dewaterability of waste activated sludge. Journal of Cleaner Production, 2020, 242, 118438.	9.3	31
35	Occurrence of banned and commonly used pesticide residues in concentrated leachate: Implications for ecological risk assessment. Science of the Total Environment, 2020, 710, 136287.	8.0	24
36	Molecular insight into variations of dissolved organic matters in leachates along Chinaâ€™s largest A/O-MBR-NF process to improve the removal efficiency. Chemosphere, 2020, 243, 125354.	8.2	35

#	Article	IF	Citations
37	Improved understanding of dissolved organic matter transformation in concentrated leachate induced by hydroxyl radicals and reactive chlorine species. Journal of Hazardous Materials, 2020, 387, 121702.	12.4	37
38	The progressive steps for TPH stripping and the decomposition of oil refinery sludge using microbubble ozonation. Science of the Total Environment, 2020, 712, 135631.	8.0	11
39	Anammox process dosed with biochars for enhanced nitrogen removal: Role of surface functional groups. Science of the Total Environment, 2020, 748, 141367.	8.0	47
40	Redox-Active Biochar and Conductive Graphite Stimulate Methanogenic Metabolism in Anaerobic Digestion of Waste-Activated Sludge: Beyond Direct Interspecies Electron Transfer. ACS Sustainable Chemistry and Engineering, 2020, 8, 12626-12636.	6.7	50
41	A novel Fe2+/persulfate/tannic acid process with strengthened efficacy on enhancing waste activated sludge dewaterability and mechanism insight. Science of the Total Environment, 2020, 733, 139146.	8.0	35
42	Waste activated sludge conditioning in a new Fe2+/persulfate/tannic acid process: Effectiveness and optimization study to enhance dewaterability. Journal of Environmental Chemical Engineering, 2020, 8, 103785.	6.7	7
43	Exploring the efficacy and mechanism of tannic acid/Fe3+ conditioning for enhancing waste activated sludge dewaterability. Separation and Purification Technology, 2020, 240, 116643.	7.9	18
44	An in-depth study on the deep-dewatering mechanism of waste activated sludge by ozonation pre-oxidation and chitosan re-flocculation conditioning. Science of the Total Environment, 2020, 714, 136627.	8.0	33
45	Efficient and regenerative near-infrared glass-ceramic photocatalyst fabricated by a facile in-situ etching method. Chemical Engineering Journal, 2020, 394, 124877.	12.7	17
46	Enhanced waste activated sludge dewaterability by tannic acid conditioning: Efficacy, process parameters, role and mechanism studies. Journal of Cleaner Production, 2019, 241, 118287.	9.3	39
47	Insight into a new two-step approach of ozonation and chitosan conditioning for sludge deep-dewatering. Science of the Total Environment, 2019, 697, 134032.	8.0	39
48	Pretreatment-promoted sludge fermentation liquor improves biological nitrogen removal: Molecular insight into the role of dissolved organic matter. Bioresource Technology, 2019, 293, 122082.	9.6	26
49	Synthesis of an efficient lanthanide doped glass-ceramic based near-infrared photocatalyst by a completely waterless solid-state reaction method. Dalton Transactions, 2019, 48, 9925-9929.	3.3	10
50	Insight into the enhanced sludge dewaterability by tannic acid conditioning and pH regulation. Science of the Total Environment, 2019, 679, 298-306.	8.0	167
51	Improved sludge dewaterability by tannic acid conditioning: Temperature, thermodynamics and mechanism studies. Chemosphere, 2019, 230, 14-23.	8.2	31
52	Buffering phosphate mitigates ammonia emission in sewage sludge composting: Enhanced organics removal coupled with microbial ammonium assimilation. Journal of Cleaner Production, 2019, 227, 189-198.	9.3	45
53	Sludge-based biochar-assisted thermophilic anaerobic digestion of waste-activated sludge in microbial electrolysis cell for methane production. Bioresource Technology, 2019, 284, 315-324.	9.6	87
54	In-situ biogas upgrading by a stepwise addition of ash additives: Methanogen adaption and CO2 sequestration. Bioresource Technology, 2019, 282, 1-8.	9.6	22

#	Article	IF	Citations
55	The identification and health risk assessment of odor emissions from waste landfilling and composting. Science of the Total Environment, 2019, 649, 1038-1044.	8.0	118
56	Anaerobic digestion of waste activated sludge with incineration bottom ash: Enhanced methane production and CO2 sequestration. Applied Energy, 2018, 215, 503-511.	10.1	63
57	Nitrogen loss reduction by adding KH2PO4-K2HPO4 buffer solution during composting of sewage sludge. Bioresource Technology, 2018, 264, 116-122.	9.6	16
58	The typical MSW odorants identification and the spatial odorants distribution in a large-scale transfer station. Environmental Science and Pollution Research, 2017, 24, 7705-7713.	5.3	18
59	Morphology Evolution and Degradation of CsPbBr₃ Nanocrystals under Blue Light-Emitting Diode Illumination. ACS Applied Materials & Interfaces, 2017, 9, 7249-7258.	8.0	314
60	Pyrolytic temperature dependent conversion of sewage sludge to carbon catalyst and their performance in persulfate degradation of 2-Naphthol. Chemical Engineering Journal, 2017, 324, 203-215.	12.7	79
61	Facile synthesis of magnetic sludge-based carbons by using Electro-Fenton activation and its performance in dye degradation. Bioresource Technology, 2017, 241, 391-396.	9.6	32
62	Mitigating inhibition of undissociated volatile fatty acids (VFAs) for enhanced sludge-rice bran composting with ferric nitrate amendment. Bioresource Technology, 2017, 244, 672-678.	9.6	27
63	The degradation processes of refractory substances in nanofiltration concentrated leachate using micro-ozonation. Waste Management, 2017, 69, 274-280.	7.4	45
64	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. Materials Research Bulletin, 2017, 86, 107-112.	5.2	5
65	A biotech-systematic approach to select fungi for bioconversion of winery biomass wastes to nutrient-rich feed. Chemical Engineering Research and Design, 2016, 103, 60-68.	5.6	16
66	Pilot-scale study of enhanced anaerobic digestion of waste activated sludge by electrochemical and sodium hypochlorite combination pretreatment. International Biodeterioration and Biodegradation, 2016, 110, 227-234.	3.9	34
67	Enhancing the Stability of CH₃NH₃PbBr₃ Quantum Dots by Embedding in Silica Spheres Derived from Tetramethyl Orthosilicate in â€œWaterlessâ€•Toluene. Journal of the American Chemical Society, 2016, 138, 5749-5752.	13.7	501
68	Effect on ceramic grade CaF₂ recovery quality from the etching wastewater under the optimum sulfate content. RSC Advances, 2016, 6, 85870-85876.	3.6	5
69	Kinetics and microbial community analysis of sludge anaerobic digestion based on Micro-direct current treatment under different initial pH values. Energy, 2016, 116, 677-686.	8.8	25
70	Derivation of ecological criteria for copper in land-applied biosolids and biosolid-amended agricultural soils. Journal of Environmental Management, 2016, 183, 945-951.	7.8	5
71	Comparison of effects of ferric nitrate additions in thermophilic, mesophilic and psychrophilic aerobic digestion for sewage sludge. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 346-354.	5.3	10
72	Performance and microbial communities of a batch anaerobic reactor treating liquid and high-solid sludge at thermophilic conditions. RSC Advances, 2016, 6, 99524-99531.	3.6	4

#	Article	IF	Citations
73	Studies on affecting factors and mechanism of treating decentralized domestic sewage by a novel anti-clogging soil infiltration system. Environmental Technology (United Kingdom), 2016, 37, 3071-3077.	2.2	4
74	Electrochemical pretreatment of waste activated sludge: effect of process conditions on sludge disintegration degree and methane production. Environmental Technology (United Kingdom), 2016, 37, 2935-2944.	2.2	19
75	Combined Electrochemical and Hypochlorite Pretreatment for Improving Solubilization and Anaerobic Digestion of Waste-Activated Sludge: Effect of Hypochlorite Dosage. Energy & Fuels, 2016, 30, 2990-2996.	5.1	22
76	Evolution processes of trace metal speciation in leachates with different ages from Laogang Refuse Landfill, Shanghai. Desalination and Water Treatment, 2016, 57, 8583-8590.	1.0	3
77	Progress in inhibition mechanisms and process control of intermediates and by-products in sewage sludge anaerobic digestion. Renewable and Sustainable Energy Reviews, 2016, 58, 429-438.	16.4	248
78	Selective simplification and reinforcement of microbial community in autothermal thermophilic aerobic digestion to enhancing stabilization process of sewage sludge by conditioning with ferric nitrate. Bioresource Technology, 2016, 204, 106-113.	9.6	19
79	Distribution pattern and the risks of OPCs, PHAs and PCBs in aged refuses from landfill. Waste Management, 2016, 55, 330-335.	7.4	11
80	Biostimulation by direct voltage to enhance anaerobic digestion of waste activated sludge. RSC Advances, 2016, 6, 1581-1588.	3.6	98
81	Biofuels from food processing wastes. Current Opinion in Biotechnology, 2016, 38, 97-105.	6.6	72
82	The synthetic effect on volatile fatty acid disinhibition and methane production enhancement by dosing FeCl₃in a sludge thermophilic anaerobic digestion system. RSC Advances, 2016, 6, 21090-21098.	3.6	22
83	Response of sludge fermentation liquid and microbial community to nano zero-valent iron exposure in a mesophilic anaerobic digestion system. RSC Advances, 2016, 6, 24236-24244.	3.6	40
84	Metal recovery based magnetite near-infrared photocatalyst with broadband spectrum utilization property. Applied Catalysis B: Environmental, 2016, 181, 456-464.	20.2	26
85	Methane-rich biogas production from waste-activated sludge with the addition of ferric chloride under a thermophilic anaerobic digestion system. RSC Advances, 2015, 5, 38538-38546.	3.6	31
86	Enhancement of autothermal thermophilic aerobic digestion by chemical approach: Dosage of ferric nitrate on disinhibition of excessive volatile fatty acids. Chemical Engineering Journal, 2015, 265, 9-15.	12.7	19
87	Variations of organic matters and microbial community in thermophilic anaerobic digestion of waste activated sludge with the addition of ferric salts. Bioresource Technology, 2015, 179, 291-298.	9.6	69
88	Environmental impacts of a large-scale incinerator with mixed MSW of high water content from a LCA perspective. Journal of Environmental Sciences, 2015, 30, 173-179.	6.1	27
89	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. Applied Catalysis B: Environmental, 2015, 168-169, 313-321.	20.2	30
90	Greenhouse gas emission and its potential mitigation process from the waste sector in a large-scale exhibition. Journal of Environmental Sciences, 2015, 31, 44-50.	6.1	11

#	Article	IF	Citations
91	Dosing time of ferric chloride to disinhibit the excessive volatile fatty acids in sludge thermophilic anaerobic digestion system. Bioresource Technology, 2015, 189, 154-161.	9.6	53
92	Determination of the optimal dosing time of ferric nitrate on disinhibition of excessive volatile fatty acids in autothermal thermophilic aerobic digestion for sewage sludge. RSC Advances, 2015, 5, 43949-43955.	3.6	5
93	Effects of ferric nitrate additions under different pH conditions on autothermal thermophilic aerobic digestion for sewage sludge. RSC Advances, 2015, 5, 90127-90134.	3.6	4
94	CaF₂-Based Near-Infrared Photocatalyst Using the Multifunctional CaTiO₃ Precursors as the Calcium Source. ACS Applied Materials & Interfaces, 2015, 7, 20170-20178.	8.0	33
95	Facile synthesis of porous TiO2 photocatalysts using waste sludge as the template. Applied Surface Science, 2015, 359, 917-922.	6.1	16
96	Comparison of photocatalytic activities between Er3+/Yb3+ and Tm3+/Yb3+ codoped (CaWO4@(TiO2/CaF2)) near-infrared photocatalysts. Catalysis Communications, 2015, 61, 6-10.	3.3	14
97	Disinhibition of excessive volatile fatty acids to improve the efficiency of autothermal thermophilic aerobic sludge digestion by chemical approach. Bioresource Technology, 2015, 175, 120-127.	9.6	20
98	Nitrate removal from landfill leachate by zerovalent iron (ZVI). Desalination and Water Treatment, 2014, 52, 7270-7276.	1.0	6
99	Upconversion assisted BiOI/ZnWO₄:Er³⁺, Tm³⁺, Yb³⁺ heterostructures with enhanced visible and near-infrared photocatalytic activities. RSC Advances, 2014, 4, 61679-61686.	3.6	29
100	Disinhibition of the ammonium nitrogen in autothermal thermophilic aerobic digestion for sewage sludge by chemical precipitation. Bioresource Technology, 2014, 169, 686-691.	9.6	24
101	Enhanced adsorptive removal of naphthalene intermediates from aqueous solution by introducing reed straw into sewage sludge-based activated carbon. Environmental Science and Pollution Research, 2014, 21, 2043-2053.	5.3	18
102	Near-infrared photocatalysts of BiVO₄/CaF₂:Er³⁺, Tm³⁺, Yb³⁺with enhanced upconversion properties. Nanoscale, 2014, 6, 1362-1368.	5.6	67
103	Heavy metal recovery from electroplating wastewater by synthesis of mixed-Fe₃O₄@SiO₂/metal oxide magnetite photocatalysts. Green Chemistry, 2014, 16, 2696-2705.	9.0	56
104	An efficient near infrared photocatalyst of Er³⁺/Tm³⁺/Yb³⁺ tridoped (CaWO₄@(TiO₂/CaF₂)) with multi-stage CaF₂ nanocrystal formation. Journal of Materials Chemistry A, 2014, 2, 16165-16174.	10.3	27
105	The influence of factors on dewaterability of one-stage autothermal thermophilic aerobically digested sludges. World Journal of Microbiology and Biotechnology, 2014, 30, 639-647.	3.6	5
106	Indicating landfill stabilization state by using leachate property from Laogang Refuse Landfill. Frontiers of Environmental Science and Engineering, 2014, 8, 405-410.	6.0	4
107	Enhancement of anaerobic digestion of waste activated sludge by electrochemical pretreatment. Fuel, 2014, 130, 279-285.	6.4	73
108	Preparation of sewage sludge based activated carbon by using Fentonâ€™s reagent and their use in 2-Naphthol adsorption. Bioresource Technology, 2013, 146, 779-784.	9.6	31

#	Article	IF	Citations
109	Influence of generated intermediatesâ€™ interaction on heterogeneous Fenton's degradation of an azo dye 1-diazo-2-naphthol-4-sulfonic acid by using sludge based carbon as catalyst. Journal of Hazardous Materials, 2013, 263, 450-457.	12.4	6
110	An effective method for decentralized wastewater treatment: addition of polyurethane foam to subsurface wastewater infiltration system. Desalination and Water Treatment, 2013, 51, 6592-6600.	1.0	9
111	Effect of temperature on the wastewater treatment of a novel anti-clogging soil infiltration system. Ecological Engineering, 2013, 57, 375-379.	3.6	18
112	Effect of dosing time on the ammonium nitrogen disinhibition in autothermal thermophilic aerobic digestion for sewage sludge by chemical precipitation. Bioresource Technology, 2013, 149, 225-231.	9.6	22
113	Leaching behavior of heavy metals from sewage sludge solidified by cement-based binders. Chemosphere, 2013, 92, 344-350.	8.2	92
114	Adsorption and Fenton-like degradation of naphthalene dye intermediate on sewage sludge derived porous carbon. Journal of Hazardous Materials, 2013, 246-247, 145-153.	12.4	124
115	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. Bioresource Technology, 2013, 136, 719-724.	9.6	17
116	Near-infrared photocatalyst of Er3+/Yb3+ codoped (CaF2@TiO2) nanoparticles with active-core/active-shell structure. Journal of Materials Chemistry A, 2013, 1, 7874.	10.3	70
117	Semicontinuous Operation of One-Stage Autothermal Thermophilic Aerobic Digestion of Sewage Sludge: Effects of Retention Time. Journal of Environmental Engineering, ASCE, 2013, 139, 422-427.	1.4	10
118	Degradation pathway of the naphthalene azo dye intermediate 1-diazo-2- naphthol-4-sulfonic acid using Fenton's reagent. Water Research, 2012, 46, 3859-3867.	11.3	72
119	Preparation of sludge derived magnetic porous carbon and their application in Fenton-like degradation of 1-diazo-2-naphthol-4-sulfonic acid. Bioresource Technology, 2012, 118, 638-642.	9.6	55
120	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: Effects of temperature on stabilization process and sludge properties. Chemical Engineering Journal, 2012, 197, 223-230.	12.7	33
121	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: Stabilization process and mechanism. Bioresource Technology, 2012, 104, 266-273.	9.6	39
122	Isolation, identification and utilization of thermophilic strains in aerobic digestion of sewage sludge. Water Research, 2011, 45, 5959-5968.	11.3	40
123	Combined humic acid adsorption and enhanced Fenton processes for the treatment of naphthalene dye intermediate wastewater. Journal of Hazardous Materials, 2011, 198, 232-240.	12.4	23
124	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment. Chemical Engineering Journal, 2011, 174, 564-570.	12.7	49
125	Effect of layers composition on leachate property from functional layer embedded landfill. Bioresource Technology, 2011, 102, 7057-7063.	9.6	4
126	Dewaterability characteristics of sludge conditioned with surfactants pretreatment by electrolysis. Bioresource Technology, 2011, 102, 2308-2315.	9.6	107

#	Article	IF	Citations
127	Conditioning of sewage sludge with electrolysis: Effectiveness and optimizing study to improve dewaterability. Bioresource Technology, 2010, 101, 4285-4290.	9.6	53
128	Chemical and microbial changes during autothermal thermophilic aerobic digestion (ATAD) of sewage sludge. Bioresource Technology, 2010, 101, 9438-9444.	9.6	74
129	Domestication of Oil-Degrading Strains and Bioremediation of Oil-Contaminated Soil in Daqing Oilfield. , 2009, , .		0
130	The Efficiency of Onsite Wastewater System with New Filler for the Treatment of Septic Tank Effluent. , 2009, , .		0
131	Preparation of sludge-based activated carbon and its application in dye wastewater treatment. Journal of Hazardous Materials, 2008, 153, 22-27.	12.4	152
132	Plant species as indicators of the extent of desertification in four sandy rangelands. African Journal of Ecology, 2007, 45, 94-102.	0.9	11
133	Bioleaching of spent Ni-Cd batteries and phylogenetic analysis of an acidophilic strain in acidified sludge. Frontiers of Environmental Science and Engineering in China, 2007, 1, 459-465.	0.8	7
134	Effect of plant harvest on methane emission from two constructed wetlands designed for the treatment of wastewater. Journal of Environmental Management, 2007, 85, 936-943.	7.8	48
135	Recycling of spent nickelâ€“cadmium batteries based on bioleaching process. Waste Management, 2003, 23, 703-708.	7.4	76