Muhammad Hassan

List of Publications by Year
in descending order

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31 papers	1,445 citations	361413 20 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	1695 citing authors

#	Article	IF	Citations
1	Succession of the functional microbial communities and the metabolic functions in maize straw composting process. Bioresource Technology, 2018, 256, 333-341.	9.6	297
2	Single Mn atom anchored on N-doped porous carbon as highly efficient Fenton-like catalyst for the degradation of organic contaminants. Applied Catalysis B: Environmental, 2020, 279, 119363.	20.2	182
3	Employing TiO 2 photocatalysis to deal with landfill leachate: Current status and development. Chemical Engineering Journal, 2016, 285, 264-275.	12.7	155
4	Power generation and pollutants removal from landfill leachate in microbial fuel cell: Variation and influence of anodic microbiomes. Bioresource Technology, 2018, 247, 434-442.	9.6	66
5	Microbial electro-Fenton: An emerging and energy-efficient platform for environmental remediation. Journal of Power Sources, 2019, 424, 220-244.	7.8	56
6	Influence of iron species on integrated microbial fuel cell and electro-Fenton process treating landfill leachate. Chemical Engineering Journal, 2017, 328, 57-65.	12.7	55
7	Occurrence, distribution and risk assessment of pesticides in a river-reservoir system. Ecotoxicology and Environmental Safety, 2018, 166, 320-327.	6.0	55
8	Enhanced catalytic activation of photo-Fenton process by Cu0Â·5Mn0Â·5Fe2O4 for effective removal of organic contaminants. Chemosphere, 2020, 247, 125780.	8.2	50
9	Energy-efficient degradation of antibiotics in microbial electro-Fenton system catalysed by M-type strontium hexaferrite nanoparticles. Chemical Engineering Journal, 2020, 380, 122483.	12.7	49
10	Employing Microbial Electrochemical Technology-driven electro-Fenton oxidation for the removal of recalcitrant organics from sanitary landfill leachate. Bioresource Technology, 2017, 243, 949-956.	9.6	48
11	Coupling ARB-based biological and photochemical (UV/TiO 2 and UV/S 2 O 8 2â˜) techniques to deal with sanitary landfill leachate. Waste Management, 2017, 63, 292-298.	7.4	48
12	Anaerobic ammonium oxidation-denitrification synergistic interaction of mature landfill leachate in aged refuse bioreactor: Variations and effects of microbial community structures. Bioresource Technology, 2017, 243, 1149-1158.	9.6	40
13	Hydrogen evolution in microbial electrolysis cells treating landfill leachate: Dynamics of anodic biofilm. International Journal of Hydrogen Energy, 2018, 43, 13051-13063.	7.1	35
14	Use of aged refuse-based bioreactor/biofilter for landfill leachate treatment. Applied Microbiology and Biotechnology, 2014, 98, 6543-6553.	3.6	33
15	Enhanced photo Fenton-like activity by effective and stable Alâ€“Sm M-hexaferrite heterogenous catalyst magnetically detachable for methylene blue degradation. Journal of Alloys and Compounds, 2020, 821, 153410.	5.5	33
16	Multi-phase distribution, spatiotemporal variation and risk assessment of antibiotics in a typical urban-rural watershed. Ecotoxicology and Environmental Safety, 2020, 206, 111156.	6.0	29
17	Nitrogen removal pathway of anaerobic ammonium oxidation in on-site aged refuse bioreactor. Bioresource Technology, 2014, 159, 266-271.	9.6	27
18	Mesoporous SnMgNd substituted M-hexaferrite catalyzed heterogeneous photo-Fenton-like activity for degradation of methylene blue. Journal of Colloid and Interface Science, 2019, 557, 408-422.	9.4	27

#	Article	IF	Citations
19	Characteristics and risks of secondary pollutants generation during compression and transfer of municipal solid waste in Shanghai. Waste Management, 2015, 43, 1-8.	7.4	26
20	Size-dependent adsorption of antibiotics onto nanoparticles in a field-scale wastewater treatment plant. Environmental Pollution, 2019, 248, 1079-1087.	7.5	22
21	Efficient degradation of Bisphenol A by dielectric barrier discharge non-thermal plasma: Performance, degradation pathways and mechanistic consideration. Chemosphere, 2022, 286, 131627.	8.2	21
22	Employing multi-omics to elucidate the hormetic response against oxidative stress exerted by nC60 on Daphnia pulex. Environmental Pollution, 2019, 251, 22-29.	7.5	20
23	Heavy metals in a typical city-river-reservoir system of East China: Multi-phase distribution, microbial response and ecological risk. Journal of Environmental Sciences, 2022, 112, 343-354.	6.1	19
24	Effective modeling and optimization of PVDFâ€“PTFE electrospinning parameters and membrane distillation process by response surface methodology. Journal of Applied Polymer Science, 2019, 136, 47125.	2.6	18
25	Energy-Positive Removal of Norfloxacin in the Bioelectro Fenton System with Nanoferrite-Based Composite Electrodes. Energy & Fuels, 2021, 35, 4502-4511.	5.1	7
26	Novel LaCr substituted Mhexaferrite photocatalyst for decontamination of organic pollutants by peroxymonosulfate activation. Journal of Molecular Liquids, 2022, 345, 117840.	4.9	6
27	Strategy of rapid start-up and the mechanism of de-nitrogen in landfill bioreactor. Journal of Environmental Management, 2019, 240, 126-135.	7.8	5
28	Heterogeneous catalytic activation of BaCu-based M-hexaferrite nanoparticles for methylene blue degradation under photo-Fenton-like system. Molecular Catalysis, 2021, 505, 111501.	2.0	5
29	Employing a novel O₃/H₂O₂ + BiPO₄/UV synergy technique to deal with thiourea-containing photovoltaic wastewater. RSC Advances, 2019, 9, 450-459.	3.6	4
30	Role of Clonal Integration among Different Environmental Conditions (A Review). Natural Science, 2016, 08, 475-486.	0.4	4
31	Spatio-Temporal Characteristics and Source Apportionment of Water Pollutants in Upper Reaches of Maotiao River, Southwest of China, from 2003 to 2015. Journal of Environmental Informatics, 0, , .	6.0	3