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	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
2	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
3	Novel LaCr substituted Mhexaferrite photocatalyst for decontamination of organic pollutants by peroxymonosulfate activation. Journal of Molecular Liquids, 2022, 345, 117840.	4.9	6
4	Energy-Positive Removal of Norfloxacin in the Bioelectro Fenton System with Nanoferrite-Based Composite Electrodes. Energy & Fuels, 2021, 35, 4502-4511.	5.1	7
5	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
6	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
7	Enhanced catalytic activation of photo-Fenton process by Cu0Â·5Mn0Â·5Fe2O4 for effective removal of organic contaminants. Chemosphere, 2020, 247, 125780.	8.2	50
8	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
9	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
10	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
11	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
12	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
13	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
14	Size-dependent adsorption of antibiotics onto nanoparticles in a field-scale wastewater treatment plant. Environmental Pollution, 2019, 248, 1079-1087.	7.5	22
15	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
16	Microbial electro-Fenton: An emerging and energy-efficient platform for environmental remediation. Journal of Power Sources, 2019, 424, 220-244.	7.8	56
17	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
18	Succession of the functional microbial communities and the metabolic functions in maize straw composting process. Bioresource Technology, 2018, 256, 333-341.	9.6	297

#	Article	IF	Citations
19	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
20	Occurrence, distribution and risk assessment of pesticides in a river-reservoir system. Ecotoxicology and Environmental Safety, 2018, 166, 320-327.	6.0	55
21	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
22	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
23	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
24	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
25	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
26	Employing TiO 2 photocatalysis to deal with landfill leachate: Current status and development. Chemical Engineering Journal, 2016, 285, 264-275.	12.7	155
27	Role of Clonal Integration among Different Environmental Conditions (A Review). Natural Science, 2016, 08, 475-486.	0.4	4
28	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
29	Use of aged refuse-based bioreactor/biofilter for landfill leachate treatment. Applied Microbiology and Biotechnology, 2014, 98, 6543-6553.	3.6	33
30	Nitrogen removal pathway of anaerobic ammonium oxidation in on-site aged refuse bioreactor. Bioresource Technology, 2014, 159, 266-271.	9.6	27
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