Hang Wang

List of Publications by Year
in descending order

40 papers	1,655 citations	516710 16 h-index	289244 40 g-index
45 all docs	45 docs citations	45 times ranked	2468 citing authors

#	Article	IF	Citations
1	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. Nature Communications, 2019, 10, 2177.	12.8	476
2	Water Contaminant Elimination Based on Metalâ€“Organic Frameworks and Perspective on Their Industrial Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 4548-4563.	6.7	165
3	Membrane adsorbers with ultrahigh metal-organic framework loading for high flux separations. Nature Communications, 2019, 10, 4204.	12.8	157
4	The chemodiversity of paddy soil dissolved organic matter correlates with microbial community at continental scales. Microbiome, 2018, 6, 187.	11.1	130
5	An Ironâ€Containing Metalâ€“Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. Angewandte Chemie - International Edition, 2018, 57, 16416-16420.	13.8	97
6	An Ironâ€Containing Metalâ€“Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. Angewandte Chemie, 2018, 130, 16654-16658.	2.0	73
7	Polyoxometalate-based Ionic liquid as thermoregulated and environmentally friendly catalyst for starch oxidation. Applied Catalysis B: Environmental, 2013, 138-139, 161-166.	20.2	61
8	Acidâ€“base bifunctional HPA nanocatalysts promoting heterogeneous transesterification and esterification reactions. Catalysis Science and Technology, 2013, 3, 2204.	4.1	50
9	Free-standing graphene oxide membrane with tunable channels for efficient water pollution control. Journal of Hazardous Materials, 2019, 366, 659-668.	12.4	45
10	Plant litter decomposition in wetlands is closely associated with phyllospheric fungi as revealed by microbial community dynamics and co-occurrence network. Science of the Total Environment, 2021, 753, 142194.	8.0	42
11	Housefly Larva Vermicomposting Efficiently Attenuates Antibiotic Resistance Genes in Swine Manure, with Concomitant Bacterial Population Changes. Applied and Environmental Microbiology, 2015, 81, 7668-7679.	3.1	36
12	Forest conversion induces seasonal variation in microbial Î²â€diversity. Environmental Microbiology, 2018, 20, 111-123.	3.8	33
13	Designation of choline functionalized polyoxometalates as highly active catalysts in aerobic desulfurization on a combined oxidation and extraction procedure. Fuel, 2017, 207, 13-21.	6.4	26
14	Decomposition and humification of dissolved organic matter in swine manure during housefly larvae composting. Waste Management and Research, 2016, 34, 465-473.	3.9	24
15	Aerobic oxidation of starch catalyzed by isopolyoxovanadate Na4Co(H2O)6V10O28. Carbohydrate Polymers, 2015, 117, 673-680.	10.2	20
16	Large-scale homogenization of soil bacterial communities in response to agricultural practices in paddy fields, China. Soil Biology and Biochemistry, 2022, 164, 108490.	8.8	19
17	Eight years of manure fertilization favor copiotrophic traits in paddy soil microbiomes. European Journal of Soil Biology, 2021, 106, 103352.	3.2	16
18	Profiling the antibiotic resistome in soils between pristine and human-affected sites on the Tibetan Plateau. Journal of Environmental Sciences, 2022, 111, 442-451.	6.1	16

#	Article	IF	Citations
19	Effect of Cs content on CsxH5â^'xPMo10V2O40 properties and oxidative catalytic activity on starch oxidation by H2O2. RSC Advances, 2014, 4, 11232.	3.6	15
20	Microbial community shifts trigger loss of orthophosphate in wetland soils subjected to experimental warming. Plant and Soil, 2018, 424, 351-365.	3.7	15
21	Template-directed synthesis of pomegranate-shaped zinc oxide@zeolitic imidazolate framework for visible light photocatalytic degradation of tetracycline. Chemosphere, 2022, 294, 133782.	8.2	15
22	L^2-index formula for proper cocompact group actions. Journal of Noncommutative Geometry, 2014, 8, 393-432.	0.5	14
23	Mixed salts of silver and ammonium derivatives of molybdovanadophosphoric acid to improve the catalytic performance in the oxidation of starch. Catalysis Today, 2014, 234, 264-270.	4.4	13
24	Differentiating microbial taxonomic and functional responses to physical disturbance in bulk and rhizosphere soils. Land Degradation and Development, 2020, 31, 2858-2871.	3.9	11
25	Noncommutative geometry and conformal geometry, II. Connesâ€“Chern character and the local equivariant index theorem. Journal of Noncommutative Geometry, 2016, 10, 307-378.	0.5	10
26	Domestic pig uprooting emerges as an undesirable disturbance on vegetation and soil properties in a plateau wetland ecosystem. Wetlands Ecology and Management, 2018, 26, 509-523.	1.5	9
27	Hydrogen peroxide as an oxidant in starch oxidation using molybdovanadophosphate for producing a high carboxylic content. RSC Advances, 2015, 5, 45725-45730.	3.6	8
28	Rooting by Tibetan pigs diminishes carbon stocks in alpine meadows by decreasing soil moisture. Plant and Soil, 2021, 459, 37-48.	3.7	6
29	A Comparative Study of Manipulative and Natural Temperature Increases in Controlling Wetland Plant Litter Decomposition. Wetlands, 2021, 41, 1.	1.5	6
30	Ecological Assessment of Heavy Metals in Sediments from Jianhu Lake in Yunnan Province, China. Polish Journal of Environmental Studies, 2020, 29, 4139-4150.	1.2	6
31	MARKOV THEOREM FOR FREE LINKS. Journal of Knot Theory and Its Ramifications, 2012, 21, 1240010.	0.3	5
32	Noncommutative geometry and conformal geometry. III. Vafaâ€“Witten inequality and PoincarÃ© duality. Advances in Mathematics, 2015, 272, 761-819.	1.1	5
33	Microbial acclimation triggered loss of soil carbon fractions in subtropical wetlands subjected to experimental warming in a laboratory study. Plant and Soil, 2016, 406, 101-116.	3.7	5
34	Oxidation of SCNâ^' with air and micellar polyoxoperoxometalates. Chemosphere, 2013, 90, 318-322.	8.2	4
35	Photosynthetic response of Scirpus validus and Typha orientalis to elevated temperatures in Dianchi Lake, Southwestern China. Journal of Mountain Science, 2018, 15, 2666-2675.	2.0	4
36	Temperature variations in simulated warming alter photosynthesis of two emergent plants in plateau wetlands, China. Ecosphere, 2019, 10, e02729.	2.2	4

#	Article	IF	Citations
37	Spatial distribution and ecological assessment of nickel in sediments of a typical small plateau lake from Yunnan Province, China. Environmental Science and Pollution Research, 2021, 28, 14469-14481.	5.3	4
38	Monoid and group of pseudo braids. Journal of Knot Theory and Its Ramifications, 2016, 25, 1641002.	0.3	3
39	Index map, Ïƒ-connections, and Connesâ€“Chern character in the setting of twisted spectral triples. Kyoto Journal of Mathematics, 2016, 56, .	0.3	2
40	Micellar Molybdovanadophosphates Producing High Content of Carboxylic Acids from Starch Using Hydrogen Peroxide. Catalysis Surveys From Asia, 2015, 19, 123-128.	2.6	1