Bin Huang

List of Publications by Year
in descending order

63	1,248	361413	395702
papers	citations	20 h-index	33 g-index

65	65	65	1692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined Toxicity of Silver Nanoparticles with Hematite or Plastic Nanoparticles toward Two Freshwater Algae. Environmental Science & Technology, 2019, 53, 3871-3879.	10.0	124
2	TiO₂ Nanoparticles Act As a Carrier of Cd Bioaccumulation in the Ciliate Tetrahymena thermophila. Environmental Science & Technology, 2014, 48, 7568-7575.	10.0	97
3	Effects of ferric iron reduction and regeneration on nitrous oxide and methane emissions in a rice soil. Chemosphere, 2009, 74, 481-486.	8.2	60
4	RGS2 Suppresses Breast Cancer Cell Growth via a MCPIP1-Dependent Pathway. Journal of Cellular Biochemistry, 2015, 116, 260-267.	2.6	55
5	An Improved LightGBM Algorithm for Online Fault Detection of Wind Turbine Gearboxes. Energies, 2020, 13, 807.	3.1	55
6	Ovarian tumor domain-containing protein 1 deubiquitinates and stabilizes p53. Cellular Signalling, 2017, 33, 22-29.	3.6	48
7	Effects of nitrogen and phosphorus on arsenite accumulation, oxidation, and toxicity in Chlamydomonas reinhardtii. Aquatic Toxicology, 2014, 157, 167-174.	4.0	44
8	TiO₂ Nanoparticle Uptake by the Water Flea Daphnia magna via Different Routes is Calcium-Dependent. Environmental Science & Technology, 2016, 50, 7799-7807.	10.0	43
9	The fate of fertilizer nitrogen in a high nitrate accumulated agricultural soil. Scientific Reports, 2016, 6, 21539.	3.3	40
10	Mechanisms for altering phosphorus sorption characteristics induced by low-molecular-weight organic acids. Canadian Journal of Soil Science, 2016, 96, 289-298.	1.2	38
11	Aggregation Reverses the Carrier Effects of TiO₂ Nanoparticles on Cadmium Accumulation in the Waterflea Daphnia magna. Environmental Science & Technology, 2017, 51, 932-939.	10.0	37
12	Labelâ€Free Imaging of Nanoparticle Uptake Competition in Single Cells by Hyperspectral Stimulated Raman Scattering. Small, 2018, 14, 1703246.	10.0	37
13	Seasonal variation of phytoplankton nutrient limitation in Lake Taihu, China: A monthly study from Year 2011 to 2012. Ecotoxicology and Environmental Safety, 2013, 94, 190-196.	6.0	34
14	Trim13 Potentiates Toll-Like Receptor 2â€“Mediated Nuclear Factor ÎºB Activation via K29-Linked Polyubiquitination of Tumor Necrosis Factor Receptor-Associated Factor 6. Molecular Pharmacology, 2017, 91, 307-316.	2.3	33
15	The potential acute and chronic toxicity of cyfluthrin on the soil model organism, Eisenia fetida. Ecotoxicology and Environmental Safety, 2017, 144, 456-463.	6.0	29
16	Effects of bifenthrin exposure in soil on whole-organism endpoints and biomarkers of earthworm Eisenia fetida. Chemosphere, 2017, 168, 41-48.	8.2	29
17	Energy and carbon performance evaluation for buildings and urban precincts: review and a new modelling concept. Journal of Cleaner Production, 2017, 163, 24-35.	9.3	27
18	Screening of Cd-safe genotypes of Chinese cabbage in field condition and Cd accumulation in relation to organic acids in two typical genotypes under long-term Cd stress. Environmental Science and Pollution Research, 2015, 22, 16590-16599.	5.3	23

#	Article	IF	Citations
19	Carbon assessment for urban precincts: Integrated model and case studies. Energy and Buildings, 2017, 153, 111-125.	6.7	23
20	Nitrogen and phosphorus limitation of phytoplankton growth in different areas of Lake Taihu, China. Journal of Freshwater Ecology, 2015, 30, 113-127.	1.2	21
21	Rethinking carbonâ€“neutral built environment: Urban dynamics and scenario analysis. Energy and Buildings, 2022, 255, 111672.	6.7	21
22	Facile synthesis of 55Fe-labeled well-dispersible hematite nanoparticles for bioaccumulation studies in nanotoxicology. Environmental Pollution, 2016, 213, 801-808.	7.5	18
23	Rhizospheric mechanisms of Bacillus subtilis bioaugmentation-assisted phytostabilization of cadmium-contaminated soil. Science of the Total Environment, 2022, 825, 154136.	8.0	18
24	Title is missing!. Nutrient Cycling in Agroecosystems, 2003, 67, 31-36.	2.2	17
25	Cost-effective bioregeneration of nitrate-laden ion exchange brine through deliberate bicarbonate incorporation. Water Research, 2015, 75, 33-42.	11.3	16
26	Vision pose estimation from planar dual circles in a single image. Optik, 2016, 127, 4275-4280.	2.9	16
27	Removal of highly elevated nitrate from drinking water by pH-heterogenized heterotrophic denitrification facilitated with ferrous sulfide-based autotrophic denitrification. Bioresource Technology, 2011, 102, 10154-10157.	9.6	15
28	Optimization of ovalâ€“round pass design using genetic algorithm. Robotics and Computer-Integrated Manufacturing, 2012, 28, 493-499.	9.9	14
29	Regulation of PHLDA1 Expression by JAK2-ERK1/2-STAT3 Signaling Pathway. Journal of Cellular Biochemistry, 2016, 117, 483-490.	2.6	14
30	Life-cycle energy modelling for urban precinct systems. Journal of Cleaner Production, 2017, 142, 3254-3268.	9.3	14
31	Exploring Carbon Neutral Potential in Urban Densification: A Precinct Perspective and Scenario Analysis. Sustainability, 2020, 12, 4814.	3.2	13
32	Development of an Energy-Efficient Smart Socket Based on STM32F103. Applied Sciences (Switzerland), 2018, 8, 2276.	2.5	12
33	Development of energy-saving optimization for the oval-edging oval pass design using genetic algorithm. International Journal of Advanced Manufacturing Technology, 2012, 61, 423-429.	3.0	11
34	Development of an SVR Model for the Fault Diagnosis of Large-Scale Doubly-Fed Wind Turbines Using SCADA Data. Energies, 2019, 12, 3396.	3.1	10
35	Waterborne and dietary accumulation of well-dispersible hematite nanoparticles by zebrafish at different life stages. Environmental Pollution, 2020, 259, 113852.	7.5	10
36	Cadmium Toxicity to Microcystis aeruginosa PCC 7806 and Its Microcystin-Lacking Mutant. PLoS ONE, 2015, 10, e0116659.	2.5	10

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37	Influence of nitrogen limitation on the bioaccumulation kinetics of hematite nanoparticles in the freshwater alga Euglena intermedia. Environmental Science: Nano, 2017, 4, 1840-1850.	4.3	9
38	TRIF is a regulator of TLR2-induced foam cell formation. Molecular Medicine Reports, 2016, 14, 3329-3335.	2.4	7
39	Relative navigation for autonomous aerial refueling rendezvous phase. Optik, 2018, 174, 665-675.	2.9	7
40	Unbound Natural Organic Matter Competes with Nanoparticles for Internalization Receptors During Cell Uptake. Environmental Science & Technology, 2020, 54, 15215-15224.	10.0	7
41	Effects of ryegrass amendments on immobilization and mineralization of nitrogen in a plastic shed soil: A 15N tracer study. Catena, 2021, 203, 105325.	5.0	7
42	Development of parameterized roll pass design based on a hybrid model. , 2010, , .		6
43	Distribution Changes of Phosphorus in Soilâ€“Plant Systems of Larch Plantations across the Chronosequence. Forests, 2018, 9, 563.	2.1	6
44	Development of an Improved LMD Method for the Low-Frequency Elements Extraction from Turbine Noise Background. Energies, 2020, 13, 805.	3.1	6
45	Spatiotemporal dynamics in soil iron affected by wetland conversion on the Sanjiang Plain. Land Degradation and Development, 2021, 32, 4669-4679.	3.9	6
46	Development of a geometric modelling strategy for roll pass optimal design. Robotics and Computer-Integrated Manufacturing, 2014, 30, 622-628.	9.9	5
47	Formation of extractable organic nitrogen in an agricultural soil: A 15N labeling study. Soil Biology and Biochemistry, 2018, 118, 161-165.	8.8	5
48	Wind Tunnel Test on Windblown Sand Two-Phase Flow Characteristics in Arid Desert Regions. Applied Sciences (Switzerland), 2021, 11, 11349.	2.5	5
49	Regulating nitrate excess in lettuce-planted greenhouse soil with available carbon addition through irrigation. Environmental Science and Pollution Research, 2019, 26, 19241-19249.	5.3	4
50	Toward a Survey-Based Assessment of Wind Turbine Noise: The Impacts on Wellbeing of Local Residents. Energies, 2020, 13, 5845.	3.1	4
51	Tensile Damage Study of Wind Turbine Tower Material Q345 Based on an Acoustic Emission Method. Materials, 2021, 14, 2120.	2.9	4
52	Dissipation Dynamics of Doxycycline and Gatifloxacin and Accumulation of Heavy Metals during Broiler Manure Aerobic Composting. Molecules, 2021, 26, 5225.	3.8	4
53	Redox condition and nitrate change in a newly flooded rice soil under percolation as influenced by oxidative iron and manganese. Soil Science and Plant Nutrition, 2011, 57, 759-764.	1.9	3
54	Investigation of Roll Pass Optimal Design Based on IGA. Advanced Materials Research, 0, 211-212, 195-199.	0.3	3

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55	Effects of iron on growth and reflectance spectrum of the bloomâ€forming cyanobacterium <scp>M</scp>icrocystis viridis. Phycological Research, 2015, 63, 265-273.	1.6	3
56	Manure increase the leaching risk of soil extractable organic nitrogen in intensively irrigated greenhouse vegetable cropping systems. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2015, 65, 199-207.	0.6	3
57	Soil fertility and fertilization practices affect accumulation and leaching risk of reactive N in greenhouse vegetable soils. Canadian Journal of Soil Science, 2016, 96, 281-288.	1.2	3
58	Development of Low-Carbon Urban Formsâ€"Concepts, Tools and Scenario Analysis. , 2019, , 227-244.		3
59	Can periodic phosphorus fertilizer applications reduce the risk of P loss ?. Nutrient Cycling in Agroecosystems, 2022, 124, 135-151.	2.2	3
60	Study on Flow Field Characteristics in Sandstorm Conditions Using Wind Tunnel Test. Atmosphere, 2022, 13, 446.	2.3	3
61	Towards Energy Efficient Shape Rolling: Roll Pass Optimal Design and Case Studies. Chinese Journal of Mechanical Engineering (English Edition), 2019, 32, .	3.7	2
62	Regulation of cadmium bioaccumulation in zebrafish by the aggregation state of TiO2 nanoparticles. Journal of Hazardous Materials, 2021, 419, 126510.	12.4	2
63	Mild electrokinetic treatment of cadmium-polluted manure for improved applicability in greenhouse soil. Environmental Science and Pollution Research, 2017, 24, 24011-24018.	5.3	1