# Bin Huang

## List of Publications by Year in descending order

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|---|---|---|---|
| 63 papers | 1,248 citations | 361413<br>20 h-index | 395702<br>33 g-index |
| 65 all docs | 65 docs citations | 65 times ranked | 1692 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Rethinking carbon–neutral built environment: Urban dynamics and scenario analysis. Energy and Buildings, 2022, 255, 111672. | 6.7 | 21 |
| 2 | Can periodic phosphorus fertilizer applications reduce the risk of P loss ?. Nutrient Cycling in Agroecosystems, 2022, 124, 135-151. | 2.2 | 3 |
| 3 | Study on Flow Field Characteristics in Sandstorm Conditions Using Wind Tunnel Test. Atmosphere, 2022, 13, 446. | 2.3 | 3 |
| 4 | Rhizospheric mechanisms of Bacillus subtilis bioaugmentation-assisted phytostabilization of cadmium-contaminated soil. Science of the Total Environment, 2022, 825, 154136. | 8.0 | 18 |
| 5 | Tensile Damage Study of Wind Turbine Tower Material Q345 Based on an Acoustic Emission Method. Materials, 2021, 14, 2120. | 2.9 | 4 |
| 6 | Dissipation Dynamics of Doxycycline and Gatifloxacin and Accumulation of Heavy Metals during Broiler Manure Aerobic Composting. Molecules, 2021, 26, 5225. | 3.8 | 4 |
| 7 | 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 |
| 8 | Spatiotemporal dynamics in soil iron affected by wetland conversion on the Sanjiang Plain. Land Degradation and Development, 2021, 32, 4669-4679. | 3.9 | 6 |
| 9 | Regulation of cadmium bioaccumulation in zebrafish by the aggregation state of TiO2 nanoparticles. Journal of Hazardous Materials, 2021, 419, 126510. | 12.4 | 2 |
| 10 | Wind Tunnel Test on Windblown Sand Two-Phase Flow Characteristics in Arid Desert Regions. Applied Sciences (Switzerland), 2021, 11, 11349. | 2.5 | 5 |
| 11 | Waterborne and dietary accumulation of well-dispersible hematite nanoparticles by zebrafish at different life stages. Environmental Pollution, 2020, 259, 113852. | 7.5 | 10 |
| 12 | Unbound Natural Organic Matter Competes with Nanoparticles for Internalization Receptors During Cell Uptake. Environmental Science &amp; Technology, 2020, 54, 15215-15224. | 10.0 | 7 |
| 13 | Toward a Survey-Based Assessment of Wind Turbine Noise: The Impacts on Wellbeing of Local Residents. Energies, 2020, 13, 5845. | 3.1 | 4 |
| 14 | Development of an Improved LMD Method for the Low-Frequency Elements Extraction from Turbine Noise Background. Energies, 2020, 13, 805. | 3.1 | 6 |
| 15 | Exploring Carbon Neutral Potential in Urban Densification: A Precinct Perspective and Scenario Analysis. Sustainability, 2020, 12, 4814. | 3.2 | 13 |
| 16 | An Improved LightGBM Algorithm for Online Fault Detection of Wind Turbine Gearboxes. Energies, 2020, 13, 807. | 3.1 | 55 |
| 17 | Development of Low-Carbon Urban Forms—Concepts, Tools and Scenario Analysis. , 2019, , 227-244. | | 3 |
| 18 | Towards Energy Efficient Shape Rolling: Roll Pass Optimal Design and Case Studies. Chinese Journal of Mechanical Engineering (English Edition), 2019, 32, . | 3.7 | 2 |

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|---|---------|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Combined Toxicity of Silver Nanoparticles with Hematite or Plastic Nanoparticles toward Two Freshwater Algae. Environmental Science &amp; Technology, 2019, 53, 3871-3879. | 10.0 | 124 |
| 22 | Labelâ€Free Imaging of Nanoparticle Uptake Competition in Single Cells by Hyperspectral Stimulated Raman Scattering. Small, 2018, 14, 1703246. | 10.0 | 37 |
| 23 | Formation of extractable organic nitrogen in an agricultural soil: A 15N labeling study. Soil Biology and Biochemistry, 2018, 118, 161-165. | 8.8 | 5 |
| 24 | Development of an Energy-Efficient Smart Socket Based on STM32F103. Applied Sciences (Switzerland), 2018, 8, 2276. | 2.5 | 12 |
| 25 | Distribution Changes of Phosphorus in Soilâ€"Plant Systems of Larch Plantations across the Chronosequence. Forests, 2018, 9, 563. | 2.1 | 6 |
| 26 | Relative navigation for autonomous aerial refueling rendezvous phase. Optik, 2018, 174, 665-675. | 2.9 | 7 |
| 27 | 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 |
| 28 | Life-cycle energy modelling for urban precinct systems. Journal of Cleaner Production, 2017, 142, 3254-3268. | 9.3 | 14 |
| 29 | Trim13 Potentiates Toll-Like Receptor 2â€"Mediated Nuclear Factor $I^{o}$B Activation via K29-Linked Polyubiquitination of Tumor Necrosis Factor Receptor-Associated Factor 6. Molecular Pharmacology, 2017, 91, 307-316. | 2.3 | 33 |
| 30 | Ovarian tumor domain-containing protein 1 deubiquitinates and stabilizes p53. Cellular Signalling, 2017, 33, 22-29. | 3.6 | 48 |
| 31 | Aggregation Reverses the Carrier Effects of $TiO_2$ Nanoparticles on Cadmium Accumulation in the Waterflea *Daphnia magna*. Environmental Science &amp; Technology, 2017, 51, 932-939. | 10.0 | 37 |
| 32 | Carbon assessment for urban precincts: Integrated model and case studies. Energy and Buildings, 2017, 153, 111-125. | 6.7 | 23 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Effects of bifenthrin exposure in soil on whole-organism endpoints and biomarkers of earthworm Eisenia fetida. Chemosphere, 2017, 168, 41-48. | 8.2 | 29 |

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|---|---------|----|-----------|
| 37 | TRIF is a regulator of TLR2-induced foam cell formation. Molecular Medicine Reports, 2016, 14, 3329-3335. | 2.4 | 7 |
| 38 | Regulation of PHLDA1 Expression by JAK2-ERK1/2-STAT3 Signaling Pathway. Journal of Cellular Biochemistry, 2016, 117, 483-490. | 2.6 | 14 |
| 39 | $TiO_2$ Nanoparticle Uptake by the Water Flea *Daphnia magna* via Different Routes is Calcium-Dependent. Environmental Science &amp; Technology, 2016, 50, 7799-7807. | 10.0 | 43 |
| 40 | Facile synthesis of 55Fe-labeled well-dispersible hematite nanoparticles for bioaccumulation studies in nanotoxicology. Environmental Pollution, 2016, 213, 801-808. | 7.5 | 18 |
| 41 | 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 |
| 42 | The fate of fertilizer nitrogen in a high nitrate accumulated agricultural soil. Scientific Reports, 2016, 6, 21539. | 3.3 | 40 |
| 43 | 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 |
| 44 | Vision pose estimation from planar dual circles in a single image. Optik, 2016, 127, 4275-4280. | 2.9 | 16 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Cost-effective bioregeneration of nitrate-laden ion exchange brine through deliberate bicarbonate incorporation. Water Research, 2015, 75, 33-42. | 11.3 | 16 |
| 50 | RGS2 Suppresses Breast Cancer Cell Growth via a MCPIP1-Dependent Pathway. Journal of Cellular Biochemistry, 2015, 116, 260-267. | 2.6 | 55 |
| 51 | Cadmium Toxicity to Microcystis aeruginosa PCC 7806 and Its Microcystin-Lacking Mutant. PLoS ONE, 2015, 10, e0116659. | 2.5 | 10 |
| 52 | Effects of nitrogen and phosphorus on arsenite accumulation, oxidation, and toxicity in Chlamydomonas reinhardtii. Aquatic Toxicology, 2014, 157, 167-174. | 4.0 | 44 |
| 53 | $TiO_2$ Nanoparticles Act As a Carrier of Cd Bioaccumulation in the Ciliate *Tetrahymena thermophila*. Environmental Science &amp; Technology, 2014, 48, 7568-7575. | 10.0 | 97 |
| 54 | Development of a geometric modelling strategy for roll pass optimal design. Robotics and Computer-Integrated Manufacturing, 2014, 30, 622-628. | 9.9 | 5 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Optimization of ovalâ€"round pass design using genetic algorithm. Robotics and Computer-Integrated Manufacturing, 2012, 28, 493-499. | 9.9 | 14 |
| 58 | 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 |
| 59 | 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 |
| 60 | Development of parameterized roll pass design based on a hybrid model. , 2010, , . |  | 6 |
| 61 | 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 |
| 62 | Title is missing!. Nutrient Cycling in Agroecosystems, 2003, 67, 31-36. | 2.2 | 17 |
| 63 | Investigation of Roll Pass Optimal Design Based on IGA. Advanced Materials Research, 0, 211-212, 195-199. | 0.3 | 3 |