# Hong-Yan Guo

List of Publications by Year
in descending order



| 51 | 2,313 | 279798 | 214800 |
|---|---|---|---|
| papers | citations | 23 h-index | 47 g-index |

| 51 | 51 | 51 | 3065 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Elevated CO2 levels alleviated toxicity of ZnO nanoparticles to rice and soil bacteria. Science of the Total Environment, 2022, 804, 149822. | 8.0 | 6 |
| 2 | Toxicity mechanism of cerium oxide nanoparticles on cyanobacteria Microcystis aeruginosa and their ecological risks. Environmental Science and Pollution Research, 2022, 29, 34010-34018. | 5.3 | 4 |
| 3 | Willow can be recommended as a strong candidate for the phytoremediation of cadmium and pyrene co-polluted soil under flooding condition. Environmental Science and Pollution Research, 2022, 29, 41081-41092. | 5.3 | 3 |
| 4 | Kinetic Modeling for a Novel Permeable Reactive Biobarrier for In Situ Remediation of PAH-Contaminated Groundwater. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, . | 3.0 | 1 |
| 5 | Size-dependent biological effect of copper oxide nanoparticles exposure on cucumber (Cucumis) Tj ETQq1 1 0.784314 rgBT /Overlock | 5.3 | 5 |
| 6 | In-situ immobilization of cadmium-polluted upland soil: A ten-year field study. Ecotoxicology and Environmental Safety, 2021, 207, 111275. | 6.0 | 40 |
| 7 | Elevated CO2 concentration modifies the effects of organic fertilizer substitution on rice yield and soil ARGs. Science of the Total Environment, 2021, 754, 141898. | 8.0 | 12 |
| 8 | Urea-enhanced phytoremediation of cadmium with willow in pyrene and cadmium contaminated soil. Journal of Hazardous Materials, 2021, 405, 124257. | 12.4 | 27 |
| 9 | Divergence in response of japonica and hybrid rice to titanium dioxide nanoparticles. Journal of Soils and Sediments, 2021, 21, 1688-1697. | 3.0 | 4 |
| 10 | Long-Term Field Study on Fate, Transformation, and Vertical Transport of Tetrabromobisphenol A in Soilâ€“Plant Systems. Environmental Science & Technology, 2021, 55, 4607-4615. | 10.0 | 5 |
| 11 | Response of soil bacterial communities to sulfadiazine present in manure: Protection and adaptation mechanisms of extracellular polymeric substances. Journal of Hazardous Materials, 2021, 408, 124887. | 12.4 | 23 |
| 12 | Microbial communities in the rhizosphere of different willow genotypes affect phytoremediation potential in Cd contaminated soil. Science of the Total Environment, 2021, 769, 145224. | 8.0 | 37 |
| 13 | Integrated Assessment of Cd-contaminated Paddy Soil with Application of Combined Ameliorants: A Three-Year Field Study. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 1236-1242. | 2.7 | 9 |
| 14 | Polystyrene microplastics alleviate the effects of sulfamethazine on soil microbial communities at different CO2 concentrations. Journal of Hazardous Materials, 2021, 413, 125286. | 12.4 | 30 |
| 15 | Economic valuation of Earth's critical zone: Framework, theory and methods. Environmental Development, 2021, 40, 100654. | 4.1 | 3 |
| 16 | Impact of biochar-induced vertical mobilization of dissolved organic matter, sulfamethazine and antibiotic resistance genes variation in a soil-plant system. Journal of Hazardous Materials, 2021, 417, 126022. | 12.4 | 21 |
| 17 | Response of soil bacterial communities, antibiotic residuals, and crop yields to organic fertilizer substitution in North China under wheatâ€“maize rotation. Science of the Total Environment, 2021, 785, 147248. | 8.0 | 31 |
| 18 | A novel permeable reactive biobarrier for ortho-nitrochlorobenzene pollution control in groundwater: Experimental evaluation and kinetic modelling. Journal of Hazardous Materials, 2021, 420, 126563. | 12.4 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Insights into the mechanism of the interference of sulfadiazine on soil microbial community and function. Journal of Hazardous Materials, 2021, 419, 126388. | 12.4 | 18 |
| 20 | Effects of Decabromodiphenyl Ether and Elevated Carbon Dioxide on Rice (Oryza sativa L.). Bulletin of Environmental Contamination and Toxicology, 2020, 105, 237-243. | 2.7 | 1 |
| 21 | Economic Valuation of Earthâ€™s Critical Zone: A Pilot Study of the Zhangxi Catchment, China. Sustainability, 2020, 12, 1699. | 3.2 | 3 |
| 22 | Effects of CeO2 Nanoparticles on Microcystis aeruginosa Growth and Microcystin Production. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 834-839. | 2.7 | 4 |
| 23 | Speciation Transformation of Phosphorus in Poultry Litter during Pyrolysis: Insights from X-ray Diffraction, Fourier Transform Infrared, and Solid-State NMR Spectroscopy. Environmental Science & Technology, 2019, 53, 13841-13849. | 10.0 | 43 |
| 24 | Transcriptome Reveals the Rice Response to Elevated Free Air CO<sub>2</sub> Concentration and TiO<sub>2</sub> Nanoparticles. Environmental Science & Technology, 2019, 53, 11714-11724. | 10.0 | 38 |
| 25 | Evaluating a novel permeable reactive bio-barrier to remediate PAH-contaminated groundwater. Journal of Hazardous Materials, 2019, 368, 444-451. | 12.4 | 41 |
| 26 | Divergence in response of lettuce (var. ramosa Hort.) to copper oxide nanoparticles/microparticles as potential agricultural fertilizer. Environmental Pollutants and Bioavailability, 2019, 31, 80-84. | 3.0 | 73 |
| 27 | Effects of soil pyrene contamination on growth and phenolics in Norway spruce (Picea abies) are modified by elevated temperature and CO2. Environmental Science and Pollution Research, 2018, 25, 12788-12799. | 5.3 | 10 |
| 28 | Elevated temperature and CO2 affect responses of European aspen (Populus tremula) to soil pyrene contamination. Science of the Total Environment, 2018, 634, 150-157. | 8.0 | 6 |
| 29 | Fate of Several Typical Organic Pollutants in Soil and Impacts of Earthworms and Plants. , 2018, , 575-589. | | 0 |
| 30 | Sex-related responses of European aspen (Populus tremula L.) to combined stress: TiO2 nanoparticles, elevated temperature and CO2 concentration. Journal of Hazardous Materials, 2018, 352, 130-138. | 12.4 | 12 |
| 31 | Differential effects of copper nanoparticles/microparticles in agronomic and physiological parameters of oregano (Origanum vulgare). Science of the Total Environment, 2018, 618, 306-312. | 8.0 | 59 |
| 32 | Elevated CO2 accelerates polycyclic aromatic hydrocarbon accumulation in a paddy soil grown with rice. PLoS ONE, 2018, 13, e0196439. | 2.5 | 4 |
| 33 | Elevated tropospheric CO2 and O3 concentrations impair organic pollutant removal from grassland soil. Scientific Reports, 2018, 8, 5519. | 3.3 | 7 |
| 34 | Risk assessment of engineered nanoparticles and other contaminants in terrestrial plants. Current Opinion in Environmental Science and Health, 2018, 6, 21-28. | 4.1 | 20 |
| 35 | Interaction of metal oxide nanoparticles with higher terrestrial plants: Physiological and biochemical aspects. Plant Physiology and Biochemistry, 2017, 110, 210-225. | 5.8 | 230 |
| 36 | Elevated CO2 levels increase the toxicity of ZnO nanoparticles to goldfish (Carassius auratus) in a water-sediment ecosystem. Journal of Hazardous Materials, 2017, 327, 64-70. | 12.4 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Elevated CO2 levels modify TiO2 nanoparticle effects on rice and soil microbial communities. Science of the Total Environment, 2017, 578, 408-416. | 8.0 | 58 |
| 38 | Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. Global Change Biology, 2015, 21, 4076-4085. | 9.5 | 134 |
| 39 | Enhanced Transformation of Tetrabromobisphenol A by Nitrifiers in Nitrifying Activated Sludge. Environmental Science & Technology, 2015, 49, 4283-4292. | 10.0 | 53 |
| 40 | Physiological and Biochemical Changes Imposed by CeO<sub>2</sub> Nanoparticles on Wheat: A Life Cycle Field Study. Environmental Science & Technology, 2015, 49, 11884-11893. | 10.0 | 164 |
| 41 | Fate and Ecological Effects of Decabromodiphenyl Ether in a Field Lysimeter. Environmental Science & Technology, 2013, 47, 9167-9174. | 10.0 | 19 |
| 42 | Degradation, Metabolism, and Bound-Residue Formation and Release of Tetrabromobisphenol A in Soil during Sequential Anoxicâ€“Oxic Incubation. Environmental Science & Technology, 2013, 47, 8348-8354. | 10.0 | 126 |
| 43 | Combined cadmium and elevated ozone affect concentrations of cadmium and antioxidant systems in wheat under fully open-air conditions. Journal of Hazardous Materials, 2012, 209-210, 27-33. | 12.4 | 19 |
| 44 | Elevated CO<sub>2</sub> Levels Affects the Concentrations of Copper and Cadmium in Crops Grown in Soil Contaminated with Heavy Metals under Fully Open-Air Field Conditions. Environmental Science & Technology, 2011, 45, 6997-7003. | 10.0 | 94 |
| 45 | TiO2 and ZnO nanoparticles negatively affect wheat growth and soil enzyme activities in agricultural soil. Journal of Environmental Monitoring, 2011, 13, 822. | 2.1 | 482 |
| 46 | Simultaneous and Repetitious Removal of 2,4-Dichlorophenol and Copper from Soils Using an Aqueous Solution of Ethyl-Lactate-Amended EDDS. Soil and Sediment Contamination, 2011, 20, 605-616. | 1.9 | 2 |
| 47 | Environmental fate of phenanthrene in lysimeter planted with wheat and rice in rotation. Journal of Hazardous Materials, 2011, 188, 408-413. | 12.4 | 19 |
| 48 | Ethyl lactate-EDTA composite system enhances the remediation of the cadmium-contaminated soil by Autochthonous Willow (SalixÃ—aureo-pendula CL â€˜J1011â€™) in the lower reaches of the Yangtze River. Journal of Hazardous Materials, 2010, 181, 673-678. | 12.4 | 29 |
| 49 | Simultaneous Removal of Polycyclic Aromatic Hydrocarbons and Copper from Soils using Ethyl Lactateâ€Amended EDDS Solution. Journal of Environmental Quality, 2009, 38, 1591-1597. | 2.0 | 26 |
| 50 | Effects of soil cadmium on growth, oxidative stress and antioxidant system in wheat seedlings (Triticum aestivum L.). Chemosphere, 2007, 69, 89-98. | 8.2 | 204 |
| 51 | Responses of rice growth to copper stress under free-air CO2 enrichment (FACE). Science Bulletin, 2007, 52, 2636-2641. | 1.7 | 13 |