

Hongzhang Kang

List of Publications by Year in descending order

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30
papers

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759233

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Changes in soil microbial community structure and function after afforestation depend on species and age: Case study in a subtropical alluvial island. <i>Science of the Total Environment</i> , 2018, 625, 1423-1432. | 8.0 | 68 |
| 2 | Global pattern of leaf litter nitrogen and phosphorus in woody plants. <i>Annals of Forest Science</i> , 2010, 67, 811-811. | 2.0 | 54 |
| 3 | Soil organic carbon stock and chemical composition along an altitude gradient in the Lushan Mountain, subtropical China. <i>Ecological Research</i> , 2014, 29, 433-439. | 1.5 | 50 |
| 4 | Impact factor assessment of the uptake and accumulation of polycyclic aromatic hydrocarbons by plant leaves: Morphological characteristics have the greatest impact. <i>Science of the Total Environment</i> , 2019, 652, 1149-1155. | 8.0 | 40 |
| 5 | Soil microbial community composition and function are closely associated with soil organic matter chemistry along a latitudinal gradient. <i>Geoderma</i> , 2021, 383, 114744. | 5.1 | 32 |
| 6 | Pattern of leaf vein density and climate relationship of <i>Quercus variabilis</i> populations remains unchanged with environmental changes. <i>Trees - Structure and Function</i> , 2012, 26, 597-607. | 1.9 | 27 |
| 7 | Biogeographic patterns of multi-element stoichiometry of <i>Quercus variabilis</i> leaves across China. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1827-1834. | 1.7 | 24 |
| 8 | Stoichiometric traits of oriental oak (<i>Quercus variabilis</i>) acorns and their variations in relation to environmental variables across temperate to subtropical China. <i>Ecological Research</i> , 2012, 27, 765-773. | 1.5 | 23 |
| 9 | Variation in foliar $\delta^{15}N$ among oriental oak (<i>Quercus variabilis</i>) stands over eastern China: Patterns and interactions. <i>Journal of Geochemical Exploration</i> , 2011, 110, 8-14. | 3.2 | 19 |
| 10 | Karst rocky desertification does not erode ectomycorrhizal fungal species richness but alters microbial community structure. <i>Plant and Soil</i> , 2019, 445, 383-396. | 3.7 | 16 |
| 11 | Climatic Control on Plant and Soil $\delta^{13}C$ along an Altitudinal Transect of Lushan Mountain in Subtropical China: Characteristics and Interpretation of Soil Carbon Dynamics. <i>PLoS ONE</i> , 2014, 9, e86440. | 2.5 | 15 |
| 12 | Response of forest soil respiration to nutrient addition depends on site fertility. <i>Biogeochemistry</i> , 2016, 127, 113-124. | 3.5 | 15 |
| 13 | Modeling height-diameter relationship for artificial monoculture <i>Metasequoia glyptostroboides</i> in sub-tropic coastal megacity Shanghai, China. <i>Urban Forestry and Urban Greening</i> , 2018, 34, 226-232. | 5.3 | 15 |
| 14 | Long-term continuity of mixed-species broadleaves could reach a synergy between timber production and soil carbon sequestration in subtropical China. <i>Forest Ecology and Management</i> , 2019, 440, 31-39. | 3.2 | 14 |
| 15 | Variation of Oriental Oak (<i>Quercus variabilis</i>) Leaf $\delta^{13}C$ across Temperate and Subtropical China: Spatial Patterns and Sensitivity to Precipitation. <i>Forests</i> , 2015, 6, 2296-2306. | 2.1 | 12 |
| 16 | Spatio-Temporal Evolution, Prediction and Optimization of LUCC Based on CA-Markov and InVEST Models: A Case Study of Mentougou District, Beijing. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2432. | 2.6 | 12 |
| 17 | Correlated metabolic and elemental variations between the leaves and seeds of oak trees at contrasting geologically derived phosphorus sites. <i>Science of the Total Environment</i> , 2019, 691, 178-186. | 8.0 | 9 |
| 18 | Effects of Urbanization on Landscape Patterns in the Middle Reaches of the Yangtze River Region. <i>Land</i> , 2021, 10, 1025. | 2.9 | 9 |

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|----|---|-----|-----------|
| 19 | Evaluation of spectral pretreatments, spectral range, and regression methods for quantitative spectroscopic analysis of soil organic carbon composition. <i>Spectroscopy Letters</i> , 2017, 50, 143-149. | 1.0 | 8 |
| 20 | Changes of Ecosystem Services and Landscape Patterns in Mountainous Areas: A Case Study in the Mentougou District in Beijing. <i>Sustainability</i> , 2018, 10, 3689. | 3.2 | 7 |
| 21 | Prolonging Rotation of Chinese Fir to over 25 Years Could Maintain a Better Soil Status in Subtropical China. <i>Forests</i> , 2019, 10, 629. | 2.1 | 7 |
| 22 | Roles of metabolic regulation in developing <i>Quercus variabilis</i> acorns at contrasting geologically-derived phosphorus sites in subtropical China. <i>BMC Plant Biology</i> , 2020, 20, 389. | 3.6 | 7 |
| 23 | Spatial variations in stomatal traits and their coordination with leaf traits in <i>Quercus variabilis</i> across Eastern Asia. <i>Science of the Total Environment</i> , 2021, 789, 147757. | 8.0 | 7 |
| 24 | Surface soil organic carbon in temperate and subtropical oriental oak stands of East China. <i>Canadian Journal of Forest Research</i> , 2016, 46, 621-628. | 1.7 | 4 |
| 25 | Phenotypic plasticity controls regional-scale variation in <i>Quercus variabilis</i> leaf $\delta^{13}C$. <i>Trees - Structure and Function</i> , 2016, 30, 1445-1453. | 1.9 | 4 |
| 26 | On Landscape Patterns in Typical Mountainous Counties Middle Reaches of the Yangtze River in China. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4000. | 2.6 | 3 |
| 27 | Chronic nitrogen deposition drives microbial community change and disrupts bacterial-fungal interactions along a subtropical urbanization gradient. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108676. | 8.8 | 3 |
| 28 | Genetic variation and differentiation of <i>Quercus variabilis</i> populations at phosphate and non-phosphate rock sites in southwestern China. <i>Plant Systematics and Evolution</i> , 2021, 307, 1. | 0.9 | 1 |
| 29 | Body Size Plasticity of Weevil Larvae (<i>Curculio davidi</i>) (Coleoptera: Curculionidae) and Its Stoichiometric Relationship With Different Hosts. <i>Journal of Insect Science</i> , 2021, 21, . | 1.5 | 1 |
| 30 | Ester Linked Fatty Acid (ELFA) method should be used with caution for interpreting soil microbial communities and their relationships with environmental variables in forest soils. <i>PLoS ONE</i> , 2021, 16, e0251501. | 2.5 | 0 |