

Xinxiao Yu

List of Publications by Year in descending order

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66
papers

1,773
citations

304368

22
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288905

40
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79
all docs

79
docs citations

79
times ranked

1767
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Soil water stress overrides the benefit of water-use efficiency from rising CO ₂ and temperature in a cold semi-arid poplar plantation. <i>Plant, Cell and Environment</i> , 2022, 45, 1172-1186. | 2.8 | 14 |
| 2 | Scaling Up from Leaf to Whole-Plant Level for Water Use Efficiency Estimates Based on Stomatal and Mesophyll Behaviour in <i>Platycladus orientalis</i> . <i>Water (Switzerland)</i> , 2022, 14, 263. | 1.2 | 2 |
| 3 | Vegetation and Topographic Factors Affecting SOM, SOC, and N Contents in a Mountainous Watershed in North China. <i>Forests</i> , 2022, 13, 742. | 0.9 | 5 |
| 4 | Effects of watershed char and climate variables on annual runoff in different climatic zones in China. <i>Science of the Total Environment</i> , 2021, 754, 142157. | 3.9 | 18 |
| 5 | Effects of ryegrass canopy and roots on the distribution characteristics of eroded sediment particles during heavy rainfall events on steep loess-slopes in Zhangjiakou, China. <i>Land Degradation and Development</i> , 2021, 32, 1643-1655. | 1.8 | 4 |
| 6 | Quantitative simulation of the particle size distribution of eroded sediment on grass slopes with intact plants and root slopes with the aboveground parts removed. <i>Soil Science Society of America Journal</i> , 2021, 85, 396-411. | 1.2 | 3 |
| 7 | Effects of the undecomposed layer and semi-decomposed layer of <i>Quercus variabilis</i> litter on the soil erosion process and the eroded sediment particle size distribution. <i>Hydrological Processes</i> , 2021, 35, e14195. | 1.1 | 6 |
| 8 | Field studies on the influence of rainfall intensity, vegetation cover and slope length on soil moisture infiltration on typical watersheds of the Loess Plateau, China. <i>Hydrological Processes</i> , 2020, 34, 4904-4919. | 1.1 | 34 |
| 9 | NDVI Dynamics and Its Response to Climate Change and Reforestation in Northern China. <i>Remote Sensing</i> , 2020, 12, 4138. | 1.8 | 45 |
| 10 | Comparison of agricultural wastes and synthetic macromolecules as solid carbon source in treating low carbon nitrogen wastewater. <i>Science of the Total Environment</i> , 2020, 739, 139885. | 3.9 | 52 |
| 11 | Analysis of Runoff and Sediment Losses from a Sloped Roadbed under Variable Rainfall Intensities and Vegetation Conditions. <i>Sustainability</i> , 2020, 12, 2077. | 1.6 | 12 |
| 12 | Retrospective Analysis of Tree Decline Based on Intrinsic Water-Use Efficiency in Semi-Arid Areas of North China. <i>Atmosphere</i> , 2020, 11, 577. | 1.0 | 3 |
| 13 | Effects of soil and water conservation management and rainfall types on runoff and soil loss for a sloping area in North China. <i>Land Degradation and Development</i> , 2020, 31, 2117-2130. | 1.8 | 16 |
| 14 | Environmental and physiological controls on diurnal and seasonal patterns of biogenic volatile organic compound emissions from five dominant woody species under field conditions. <i>Environmental Pollution</i> , 2020, 259, 113955. | 3.7 | 26 |
| 15 | Photosynthetic stimulation of saplings by the interaction of CO ₂ and water stress. <i>Journal of Forestry Research</i> , 2019, 30, 1233-1243. | 1.7 | 1 |
| 16 | Scale effects on runoff and a decomposition analysis of the main driving factors in Haihe Basin mountainous area. <i>Science of the Total Environment</i> , 2019, 690, 1089-1099. | 3.9 | 16 |
| 17 | Foliar Particulate Matter Distribution in Urban Road System of Beijing, China. <i>Chinese Geographical Science</i> , 2019, 29, 591-600. | 1.2 | 7 |
| 18 | Particulate matter transported from urban greening plants during precipitation events in Beijing, China. <i>Environmental Pollution</i> , 2019, 252, 1648-1658. | 3.7 | 30 |

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|----|---|-----|-----------|
| 19 | Biological denitrification using polycaprolactone-peanut shell as slow-release carbon source treating drainage of municipal WWTP. <i>Chemosphere</i> , 2019, 235, 434-439. | 4.2 | 39 |
| 20 | Whole-plant instantaneous and short-term water-use efficiency in response to soil water content and CO ₂ concentration. <i>Plant and Soil</i> , 2019, 444, 281-298. | 1.8 | 8 |
| 21 | Size distribution of particulate matter in runoff from different leaf surfaces during controlled rainfall processes. <i>Environmental Pollution</i> , 2019, 255, 113234. | 3.7 | 28 |
| 22 | Variations in $\delta^{13}C$ of water-soluble leaf and phloem organic matter of <i>Platycladus orientalis</i> : influences of photosynthetic and post-photosynthetic fractionation. <i>Chemistry and Ecology</i> , 2019, 35, 445-458. | 0.6 | 0 |
| 23 | Atmospheric particulate matter accumulation on trees: A comparison of boles, branches and leaves. <i>Journal of Cleaner Production</i> , 2019, 226, 349-356. | 4.6 | 58 |
| 24 | A vegetation configuration pattern with a high-efficiency purification ability for TN, TP, AN, AP, and COD based on comprehensive assessment results. <i>Scientific Reports</i> , 2019, 9, 2427. | 1.6 | 7 |
| 25 | Influence of physiological and environmental factors on the diurnal variation in emissions of biogenic volatile compounds from <i>Pinus tabuliformis</i> . <i>Journal of Environmental Sciences</i> , 2019, 81, 102-118. | 3.2 | 17 |
| 26 | Effects of Simulated Gravel on Hydraulic Characteristics of Overland Flow Under Varying Flow Discharges, Slope Gradients and Gravel Coverage Degrees. <i>Scientific Reports</i> , 2019, 9, 19781. | 1.6 | 7 |
| 27 | Variations in Soil Respiration at Different Soil Depths and Its Influencing Factors in Forest Ecosystems in the Mountainous Area of North China. <i>Forests</i> , 2019, 10, 1081. | 0.9 | 11 |
| 28 | Analysis of Long-Term Water Level Variations in Qinghai Lake in China. <i>Water (Switzerland)</i> , 2019, 11, 2136. | 1.2 | 20 |
| 29 | Quantifying particulate matter accumulated on leaves by 17 species of urban trees in Beijing, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12545-12556. | 2.7 | 58 |
| 30 | The effects of <i>Pinus tabuliformis</i> on soil detachment under different influencing factors in the Loess Plateau of China. <i>Chemistry and Ecology</i> , 2018, 34, 439-453. | 0.6 | 0 |
| 31 | Oxygen and Hydrogen Isotopes of Precipitation in a Rocky Mountainous Area of Beijing to Distinguish and Estimate Spring Recharge. <i>Water (Switzerland)</i> , 2018, 10, 705. | 1.2 | 7 |
| 32 | Comparison of the partitioning of evapotranspiration numerical modeling with different isotopic models using various kinetic fractionation coefficients. <i>Plant and Soil</i> , 2018, 430, 307-328. | 1.8 | 4 |
| 33 | Quantifying soil macropore networks in different forest communities using industrial computed tomography in a mountainous area of North China. <i>Journal of Soils and Sediments</i> , 2017, 17, 2357-2370. | 1.5 | 23 |
| 34 | Multi-scale comparison of the fine particle removal capacity of urban forests and wetlands. <i>Scientific Reports</i> , 2017, 7, 46214. | 1.6 | 22 |
| 35 | The impacts of <i>Robinia pseudoacacia</i> litter cover and roots on soil erosion in the Loess Plateau, China. <i>Chemistry and Ecology</i> , 2017, 33, 528-542. | 0.6 | 11 |
| 36 | Influence of rainfall duration and intensity on particulate matter removal from plant leaves. <i>Science of the Total Environment</i> , 2017, 609, 11-16. | 3.9 | 80 |

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|----|---|-----|-----------|
| 37 | Rainfall interception by tree crown and leaf litter: An interactive process. <i>Hydrological Processes</i> , 2017, 31, 3533-3542. | 1.1 | 31 |
| 38 | Spatio-temporal variations in PM leaf deposition: A meta-analysis. <i>Environmental Pollution</i> , 2017, 231, 207-218. | 3.7 | 98 |
| 39 | Separating component parts of soil respiration under <i>Robinia pseudoacacia</i> plantation in the Taihang Mountains, China. <i>Journal of Forestry Research</i> , 2017, 28, 529-537. | 1.7 | 2 |
| 40 | Indoor simulations reveal differences among plant species in capturing particulate matter. <i>PLoS ONE</i> , 2017, 12, e0177539. | 1.1 | 11 |
| 41 | Response of forestland soil water content to heavy rainfall on Beijing Mountain, northern China. <i>Journal of Forestry Research</i> , 2016, 27, 541-550. | 1.7 | 10 |
| 42 | Analysis of organic and elemental carbon in heating and non-heating periods in four locations of Beijing. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 121-128. | 1.2 | 4 |
| 43 | Mechanism Underlying the Spatial Pattern Formation of Dominant Tree Species in a Natural Secondary Forest. <i>PLoS ONE</i> , 2016, 11, e0152596. | 1.1 | 10 |
| 44 | National assessment of soil erosion and its spatial patterns in china. <i>Ecosystem Health and Sustainability</i> , 2015, 1, 1-10. | 1.5 | 17 |
| 45 | PM2.5 Concentration Differences between Various Forest Types and Its Correlation with Forest Structure. <i>Atmosphere</i> , 2015, 6, 1801-1815. | 1.0 | 59 |
| 46 | The Concentrations and Reduction of Airborne Particulate Matter (PM10, PM2.5, PM1) at Shelterbelt Site in Beijing. <i>Atmosphere</i> , 2015, 6, 650-676. | 1.0 | 43 |
| 47 | Relationship between types of urban forest and PM2.5 capture at three growth stages of leaves. <i>Journal of Environmental Sciences</i> , 2015, 27, 33-41. | 3.2 | 109 |
| 48 | Sensitivity analysis of climate on streamflow in north China. <i>Theoretical and Applied Climatology</i> , 2015, 119, 391-399. | 1.3 | 14 |
| 49 | Influence of Vegetation Restoration on Topsoil Organic Carbon in a Small Catchment of the Loess Hilly Region, China. <i>PLoS ONE</i> , 2014, 9, e94489. | 1.1 | 16 |
| 50 | Deposition Velocity of PM2.5 in the Winter and Spring above Deciduous and Coniferous Forests in Beijing, China. <i>PLoS ONE</i> , 2014, 9, e97723. | 1.1 | 35 |
| 51 | A review of the protection of sources of drinking water in China. <i>Natural Resources Forum</i> , 2014, 38, 99-108. | 1.8 | 19 |
| 52 | Rhizosphere soil enzymatic and microbial activities in bamboo forests in southeastern China. <i>Soil Science and Plant Nutrition</i> , 2014, 60, 134-144. | 0.8 | 12 |
| 53 | Dynamic study on water diffusivity of soil with super-absorbent polymer application. <i>Environmental Earth Sciences</i> , 2013, 69, 289-296. | 1.3 | 41 |
| 54 | Sensitivity of Land-Use Change to Streamflow in Chaobai River Basin. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 457-464. | 0.8 | 25 |

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|----|--|-----|-----------|
| 55 | Effects of climatic variability and human activity on runoff in the Loess Plateau of China. <i>Forestry Chronicle</i> , 2013, 89, 153-161. | 0.5 | 4 |
| 56 | Seasonal water use patterns of semi-arid plants in China. <i>Forestry Chronicle</i> , 2013, 89, 169-177. | 0.5 | 12 |
| 57 | Factors controlling sediment yield in China's Loess Plateau. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 816-826. | 1.2 | 51 |
| 58 | Response of Soil Respiration to Soil Temperature and Moisture in a 50-Year-Old Oriental Arborvitae Plantation in China. <i>PLoS ONE</i> , 2011, 6, e28397. | 1.1 | 32 |
| 59 | Spatial variability of soil nitrogen and phosphorus of a mixed forest ecosystem in Beijing, China. <i>Environmental Earth Sciences</i> , 2010, 60, 1783-1792. | 1.3 | 12 |
| 60 | Nutrient cycle of planted forest of <i>Pinus tabulaeformis</i> in the Miyun Reservoir Watershed, Beijing. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 46-52. | 0.2 | 4 |
| 61 | Impact of China's Grain for Green Project on the landscape of vulnerable arid and semi-arid agricultural regions: a case study in northern Shaanxi Province. <i>Journal of Applied Ecology</i> , 2009, 46, 536-543. | 1.9 | 387 |
| 62 | Water consumption of a single tree from the main afforestation tree species in Western Shanxi Province, a loess area. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 42-49. | 0.2 | 1 |
| 63 | Effects of changes in land use and land cover on sediment discharge of runoff in a typical watershed in the hill and gully loess region of northwest China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 334-341. | 0.2 | 4 |
| 64 | Effects of forest vegetation on runoff and sediment transport of watershed in Loess area, west China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 163-168. | 0.2 | 3 |
| 65 | Effect of forest vegetation on runoff and sediment production in sloping lands of Loess area. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 336-342. | 0.2 | 8 |
| 66 | Effects of closing mountain for forest restoration in the watershed of Miyun reservoir, Beijing. <i>Forestry Studies in China</i> , 2004, 6, 28-35. | 0.4 | 4 |