# Wei Wei

List of Publications by Year
in descending order



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|---|---|---|---|
| 44 papers | 2,936 citations | 218677 26 h-index | 243625 44 g-index |
| 45 all docs | 45 docs citations | 45 times ranked | 2297 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tradeoffs between soil conservation and soilâ€water retention: The role of vegetation pattern and density. Land Degradation and Development, 2022, 33, 18-27. | 3.9 | 3 |
| 2 | Research on Automatic Identification Method of Terraces on the Loess Plateau Based on Deep Transfer Learning. Remote Sensing, 2022, 14, 2446. | 4.0 | 4 |
| 3 | Slope instabilities in steep cultivation systems: Process classification and opportunities from remote sensing. Land Degradation and Development, 2021, 32, 1368-1388. | 3.9 | 20 |
| 4 | Impacts of climate change and human activities on runoff change in a typical arid watershed, NW China. Ecological Indicators, 2021, 121, 107013. | 6.3 | 43 |
| 5 | Quantifying the contributions of structural factors on runoff water quality from green roofs and optimizing assembled combinations using Taguchi method. Journal of Hydrology, 2021, 593, 125864. | 5.4 | 15 |
| 6 | Responses of soil moisture to rainfall pulses and land preparation techniques. , 2021, , 441-458. | | 0 |
| 7 | A 30â€‰m terrace mapping in China using Landsat 8 imagery and digital elevation model based on the Google Earth Engine. Earth System Science Data, 2021, 13, 2437-2456. | 9.9 | 39 |
| 8 | Effects of terracing on soil properties in three key mountainous regions of China. Geography and Sustainability, 2021, 2, 195-206. | 4.3 | 6 |
| 9 | Effects of terracing measures on water retention of pinus Tabulaeformis forest in the dryland loess hilly region of China. Agricultural and Forest Meteorology, 2021, 308-309, 108544. | 4.8 | 5 |
| 10 | How can terracing impact on soil moisture variation in China? A meta-analysis. Agricultural Water Management, 2020, 227, 105849. | 5.6 | 18 |
| 11 | Soil Water Availability Drives Changes in Community Traits Along a Hydrothermal Gradient in Loess Plateau Grasslands. Rangeland Ecology and Management, 2020, 73, 276-284. | 2.3 | 1 |
| 12 | Experimental Study on the Rainfall-Runoff Responses of Typical Urban Surfaces and Two Green Infrastructures Using Scale-Based Models. Environmental Management, 2020, 66, 683-693. | 2.7 | 19 |
| 13 | Assessing the runoff retention of extensive green roofs using runoff coefficients and curve numbers and the impacts of substrate moisture. Hydrology Research, 2020, 51, 635-647. | 2.7 | 14 |
| 14 | Does terracing enhance soil organic carbon sequestration? A national-scale data analysis in China. Science of the Total Environment, 2020, 721, 137751. | 8.0 | 36 |
| 15 | Plant traits in influencing soil moisture in semiarid grasslands of the Loess Plateau, China. Science of the Total Environment, 2020, 718, 137355. | 8.0 | 25 |
| 16 | Effects of terracing on root distribution of Pinus tabulaeformis Carr. forest and soil properties in the Loess Plateau of China. Science of the Total Environment, 2020, 721, 137506. | 8.0 | 18 |
| 17 | Effects of rainfall and terracing-vegetation combinations on water erosion in a loess hilly area, China. Journal of Environmental Management, 2020, 261, 110247. | 7.8 | 29 |
| 18 | Does the spatial location of green roofs affects runoff mitigation in small urbanized catchments?. Journal of Environmental Management, 2020, 268, 110707. | 7.8 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The effects of terracing and vegetation on soil moisture retention in a dry hilly catchment in China. Science of the Total Environment, 2019, 647, 1323-1332. | 8.0 | 53 |
| 20 | Runoff retention assessment for extensive green roofs and prioritization of structural factors at runoff plot scale using the Taguchi method. Ecological Engineering, 2019, 138, 281-288. | 3.6 | 7 |
| 21 | The impacts of substrate and vegetation on stormwater runoff quality from extensive green roofs. Journal of Hydrology, 2019, 576, 575-582. | 5.4 | 42 |
| 22 | The Joint Effects of Precipitation Gradient and Afforestation on Soil Moisture across the Loess Plateau of China. Forests, 2019, 10, 285. | 2.1 | 16 |
| 23 | Climate background, relative rate, and runoff effect of multiphase water transformation in Qilian Mountains, the third pole region. Science of the Total Environment, 2019, 663, 315-328. | 8.0 | 37 |
| 24 | Quantifying the effects of precipitation, vegetation, and land preparation techniques on runoff and soil erosion in a Loess watershed of China. Science of the Total Environment, 2019, 652, 755-764. | 8.0 | 73 |
| 25 | The influence of structural factors on stormwater runoff retention of extensive green roofs: new evidence from scale-based models and real experiments. Journal of Hydrology, 2019, 569, 230-238. | 5.4 | 72 |
| 26 | Assessment of the impact of different vegetation patterns on soil erosion processes on semiarid loess slopes. Earth Surface Processes and Landforms, 2018, 43, 1860-1870. | 2.5 | 63 |
| 27 | Effects of terracing on soil water and canopy transpiration of Pinus tabulaeformis in the Loess Plateau of China. Ecological Engineering, 2017, 102, 557-564. | 3.6 | 39 |
| 28 | Evaluating canopy transpiration and water use of two typical planted tree species in the dryland Loess Plateau of China. Ecohydrology, 2017, 10, e1830. | 2.4 | 11 |
| 29 | Effects of terracing practices on water erosion control in China: A meta-analysis. Earth-Science Reviews, 2017, 173, 109-121. | 9.1 | 158 |
| 30 | Land preparation and vegetation type jointly determine soil conditions after long-term land stabilization measures in a typical hilly catchment, Loess Plateau of China. Journal of Soils and Sediments, 2017, 17, 144-156. | 3.0 | 45 |
| 31 | Global synthesis of the classifications, distributions, benefits and issues of terracing. Earth-Science Reviews, 2016, 159, 388-403. | 9.1 | 201 |
| 32 | Estimation of runoff mitigation by morphologically different cover crop root systems. Journal of Hydrology, 2016, 538, 667-676. | 5.4 | 86 |
| 33 | Effects of vegetation restoration on the spatial distribution of soil moisture at the hillslope scale in semi-arid regions. Catena, 2015, 124, 138-146. | 5.0 | 46 |
| 34 | Effects of surficial condition and rainfall intensity on runoff in a loess hilly area, China. Journal of Hydrology, 2014, 513, 115-126. | 5.4 | 83 |
| 35 | Comparison of deep soil moisture in two re-vegetation watersheds in semi-arid regions. Journal of Hydrology, 2014, 513, 314-321. | 5.4 | 73 |
| 36 | Response of temporal variation of soil moisture to vegetation restoration in semi-arid Loess Plateau, China. Catena, 2014, 115, 123-133. | 5.0 | 194 |

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| 37 | Towards Sustainable Integrated Watershed Ecosystem Management: A Case Study in Dingxi on the Loess Plateau, China. Environmental Management, 2013, 51, 126-137. | 2.7 | 28 |
| 38 | Response of deep soil moisture to land use and afforestation in the semi-arid Loess Plateau, China. Journal of Hydrology, 2012, 475, 111-122. | 5.4 | 190 |
| 39 | Microtopography Recreation Benefits Ecosystem Restoration. Environmental Science & Technology, 2012, 46, 10875-10876. | 10.0 | 24 |
| 40 | Effects of landscape restoration on soil water storage and water use in the Loess Plateau Region, China. Forest Ecology and Management, 2010, 259, 1291-1298. | 3.2 | 183 |
| 41 | Water erosion response to rainfall and land use in different drought-level years in a loess hilly area of China. Catena, 2010, 81, 24-31. | 5.0 | 69 |
| 42 | Responses of water erosion to rainfall extremes and vegetation types in a loess semiarid hilly area, NW China. Hydrological Processes, 2009, 23, 1780-1791. | 2.6 | 83 |
| 43 | Soil and water conservation on the Loess Plateau in China: review and perspective. Progress in Physical Geography, 2007, 31, 389-403. | 3.2 | 380 |
| 44 | The effect of land uses and rainfall regimes on runoff and soil erosion in the semi-arid loess hilly area, China. Journal of Hydrology, 2007, 335, 247-258. | 5.4 | 355 |