# Liqiang Kang

List of Publications by Year
in descending order

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| 26 | 324 | 933447 10 | 888059 17 |
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| papers | citations | h-index | g-index |

| 26 | 26 | 26 | 221 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Wind erosion rate for vegetated soil cover: A prediction model based on surface shear strength. Catena, 2020, 187, 104398. | 5.0 | 39 |
| 2 | Transition model for airflow fields from single plants to multiple plants. Agricultural and Forest Meteorology, 2019, 266-267, 29-42. | 4.8 | 34 |
| 3 | Cogitation on developing a dynamic model of soil wind erosion. Science China Earth Sciences, 2015, 58, 462-473. | 5.2 | 31 |
| 4 | Characteristics of particle size for creeping and saltating sand grains in aeolian transport. Sedimentology, 2015, 62, 1497-1511. | 3.1 | 30 |
| 5 | Wind erosion mass variability with sand bed in a wind tunnel. Soil and Tillage Research, 2017, 165, 181-189. | 5.6 | 28 |
| 6 | Numerical investigation of particle velocity distributions in aeolian sand transport. Geomorphology, 2010, 115, 156-171. | 2.6 | 22 |
| 7 | Experimental Investigation on Shear-Stress Partitioning for Flexible Plants with Approximately Zero Basal-to-Frontal Area Ratio in a Wind Tunnel. Boundary-Layer Meteorology, 2018, 169, 251-273. | 2.3 | 21 |
| 8 | Experimental Investigation of the Aerodynamic Roughness Length for Flexible Plants. Boundary-Layer Meteorology, 2019, 172, 397-416. | 2.3 | 19 |
| 9 | Experimental study on the effect of plant spacing, number of rows and arrangement on the airflow field of forest belt in a wind tunnel. Journal of Arid Environments, 2020, 178, 104169. | 2.4 | 13 |
| 10 | Aeolian creeping mass of different grain sizes over sand beds of varying length. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1404-1417. | 2.8 | 11 |
| 11 | Experimental study of aeolian sand ripples in a wind tunnel. Earth Surface Processes and Landforms, 2018, 43, 312-321. | 2.5 | 10 |
| 12 | Sidewall effects and sand trap efficiency in a large wind tunnel. Earth Surface Processes and Landforms, 2018, 43, 1252-1258. | 2.5 | 9 |
| 13 | An improved particle counting method for particle volume concentration in aeolian sand transport. Powder Technology, 2015, 280, 191-200. | 4.2 | 6 |
| 14 | Particle size characteristics of aeolian ripple crests and troughs. Sedimentology, 2018, 65, 1859-1874. | 3.1 | 6 |
| 15 | A general model for predicting aeolian transport rate over sand surfaces with vegetation cover. Earth Surface Processes and Landforms, 2022, 47, 2471-2482. | 2.5 | 6 |
| 16 | Wind tunnel investigation of horizontal and vertical sand fluxes of ascending and descending sand particles in aeolian sand transport. Earth Surface Processes and Landforms, 2016, 41, 1647-1657. | 2.5 | 5 |
| 17 | Experimental investigation of mass flux and transport rate of different size particles in mixed sand transport by wind. Geomorphology, 2020, 367, 107320. | 2.6 | 5 |
| 18 | Theoretical analysis of particle number density in steady aeolian saltation. Geomorphology, 2014, 204, 542-552. | 2.6 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Application of a new wind driving force model in soil wind erosion area of northern China. Journal of Arid Land, 2020, 12, 423-435. | 2.3 | 4 |
| 20 | A modified Raupach's model applicable for shearâ€stress partitioning on surfaces covered with dense and flatâ€shaped gravel roughness elements. Earth Surface Processes and Landforms, 2021, 46, 907-920. | 2.5 | 4 |
| 21 | Influence of dust storms on atmospheric particulate pollution and acid rain in northern China. Air Quality, Atmosphere and Health, 2017, 10, 297-306. | 3.3 | 3 |
| 22 | Estimating fractional cover of non-photosynthetic vegetation in a typical grassland area of northern China based on Moderate Resolution Imaging Spectroradiometer (MODIS) image data. International Journal of Remote Sensing, 2019, , 1-18. | 2.9 | 3 |
| 23 | Variation of bed microtopography with time around an isolated surface-mounted cylindrical roughness element and its influence on wind flow. Aeolian Research, 2021, 50, 100688. | 2.7 | 3 |
| 24 | Simulating Airflow Around Flexible Vegetative Windbreaks. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034578. | 3.3 | 3 |
| 25 | A modified aeolian flux model applicable for various soil particle characteristics. Catena, 2022, 212, 106042. | 5.0 | 3 |
| 26 | Effect of transverse ridge microtopography on the surface shear stress distribution and soil wind erosion. Soil and Tillage Research, 2020, 198, 104548. | 5.6 | 2 |