

# Liqiang Kang

## List of Publications by Year in descending order

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26  
papers

324  
citations

933447

10  
h-index

888059

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	A modified aeolian flux model applicable for various soil particle characteristics. <i>Catena</i> , 2022, 212, 106042.	5.0	3
2	A general model for predicting aeolian transport rate over sand surfaces with vegetation cover. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2471-2482.	2.5	6
3	A modified Raupach's model applicable for shear stress partitioning on surfaces covered with dense and flat-shaped gravel roughness elements. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 907-920.	2.5	4
4	Variation of bed microtopography with time around an isolated surface-mounted cylindrical roughness element and its influence on wind flow. <i>Aeolian Research</i> , 2021, 50, 100688.	2.7	3
5	Simulating Airflow Around Flexible Vegetative Windbreaks. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034578.	3.3	3
6	Effect of transverse ridge microtopography on the surface shear stress distribution and soil wind erosion. <i>Soil and Tillage Research</i> , 2020, 198, 104548.	5.6	2
7	Wind erosion rate for vegetated soil cover: A prediction model based on surface shear strength. <i>Catena</i> , 2020, 187, 104398.	5.0	39
8	Experimental study on the effect of plant spacing, number of rows and arrangement on the airflow field of forest belt in a wind tunnel. <i>Journal of Arid Environments</i> , 2020, 178, 104169.	2.4	13
9	Application of a new wind driving force model in soil wind erosion area of northern China. <i>Journal of Arid Land</i> , 2020, 12, 423-435.	2.3	4
10	Experimental investigation of mass flux and transport rate of different size particles in mixed sand transport by wind. <i>Geomorphology</i> , 2020, 367, 107320.	2.6	5
11	Estimating fractional cover of non-photosynthetic vegetation in a typical grassland area of northern China based on Moderate Resolution Imaging Spectroradiometer (MODIS) image data. <i>International Journal of Remote Sensing</i> , 2019, , 1-18.	2.9	3
12	Experimental Investigation of the Aerodynamic Roughness Length for Flexible Plants. <i>Boundary-Layer Meteorology</i> , 2019, 172, 397-416.	2.3	19
13	Transition model for airflow fields from single plants to multiple plants. <i>Agricultural and Forest Meteorology</i> , 2019, 266-267, 29-42.	4.8	34
14	Particle size characteristics of aeolian ripple crests and troughs. <i>Sedimentology</i> , 2018, 65, 1859-1874.	3.1	6
15	Experimental study of aeolian sand ripples in a wind tunnel. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 312-321.	2.5	10
16	Sidewall effects and sand trap efficiency in a large wind tunnel. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1252-1258.	2.5	9
17	Experimental Investigation on Shear-Stress Partitioning for Flexible Plants with Approximately Zero Basal-to-Frontal Area Ratio in a Wind Tunnel. <i>Boundary-Layer Meteorology</i> , 2018, 169, 251-273.	2.3	21
18	Wind erosion mass variability with sand bed in a wind tunnel. <i>Soil and Tillage Research</i> , 2017, 165, 181-189.	5.6	28

#	ARTICLE	IF	CITATIONS
19	Influence of dust storms on atmospheric particulate pollution and acid rain in northern China. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 297-306.	3.3	3
20	Wind tunnel investigation of horizontal and vertical sand fluxes of ascending and descending sand particles in aeolian sand transport. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1647-1657.	2.5	5
21	Aeolian creeping mass of different grain sizes over sand beds of varying length. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 1404-1417.	2.8	11
22	Characteristics of particle size for creeping and saltating sand grains in aeolian transport. <i>Sedimentology</i> , 2015, 62, 1497-1511.	3.1	30
23	Cogitation on developing a dynamic model of soil wind erosion. <i>Science China Earth Sciences</i> , 2015, 58, 462-473.	5.2	31
24	An improved particle counting method for particle volume concentration in aeolian sand transport. <i>Powder Technology</i> , 2015, 280, 191-200.	4.2	6
25	Theoretical analysis of particle number density in steady aeolian saltation. <i>Geomorphology</i> , 2014, 204, 542-552.	2.6	4
26	Numerical investigation of particle velocity distributions in aeolian sand transport. <i>Geomorphology</i> , 2010, 115, 156-171.	2.6	22