

# James King

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

973  
citations

394421

19  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drag coefficient and plant form response to wind speed in three plant species: Burning Bush ( <i>Euonymus alatus</i> ), Colorado Blue Spruce ( <i>Picea pungens</i> glauca.), and Fountain Grass ( <i>Pennisetum</i> ) Tj ETQq1 1 0.784314 rg50\$ Overl	3.3	87
2	Shear stress partitioning in large patches of roughness in the atmospheric inertial sublayer. <i>Boundary-Layer Meteorology</i> , 2007, 122, 367-396.	2.3	87
3	Representation of vegetation and other nonerodible elements in aeolian shear stress partitioning models for predicting transport threshold. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	82
4	Aeolian shear stress ratio measurements within mesquite-dominated landscapes of the Chihuahuan Desert, New Mexico, USA. <i>Geomorphology</i> , 2006, 82, 229-244.	2.6	77
5	Dust emission variability at the Salton Sea, California, USA. <i>Aeolian Research</i> , 2011, 3, 67-79.	2.7	69
6	Aeolian sediment transport through large patches of roughness in the atmospheric inertial sublayer. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	62
7	Effects of Salt Mineralogy on Dust Emissions, Salton Sea, California. <i>Soil Science Society of America Journal</i> , 2011, 75, 1971-1985.	2.2	56
8	Estimating aerodynamic roughness over complex surface terrain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,948.	3.3	51
9	Relationships between soil moisture and dust emissions in a bare sandy soil of Mongolia. <i>Particuology</i> , 2016, 28, 131-137.	3.6	41
10	Testing the performance of state-of-the-art dust emission schemes using DO4Models field data. <i>Geoscientific Model Development</i> , 2015, 8, 341-362.	3.6	34
11	Effect of Soil Type and Momentum on Unpaved Road Particulate Matter Emissions from Wheeled and Tracked Vehicles. <i>Aerosol Science and Technology</i> , 2010, 44, 187-196.	3.1	32
12	The dynamism of salt crust patterns on playas. <i>Geology</i> , 2015, 43, 31-34.	4.4	31
13	Detecting surface moisture in aeolian environments using terrestrial laser scanning. <i>Aeolian Research</i> , 2014, 12, 9-17.	2.7	30
14	Accounting for surface roughness on measurements conducted with PI-SWERL: Evaluation of a subjective visual approach and a photogrammetric technique. <i>Aeolian Research</i> , 2014, 13, 35-50.	2.7	29
15	Climateâ€™surfaceâ€™poreâ€™water interactions on a salt crusted playa: implications for crust pattern and surface roughness development measured using terrestrial laser scanning. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 738-753.	2.5	24
16	In situ observations of soil minerals and organic matter in the early phases of prescribed fires. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
17	Soil humic-like organic compounds in prescribed fire emissions using nuclear magnetic resonance spectroscopy. <i>Environmental Pollution</i> , 2013, 181, 167-171.	7.5	22
18	Investigations of the lawâ€™ofâ€™theâ€™wall over sparse roughness elements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	21

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19	Analysis of an optical gate device for measuring aeolian sand movement. <i>Aeolian Research</i> , 2017, 24, 65-79.	2.7	20
20	Chemical and microphysical properties of wind-blown dust near an actively retreating glacier in Yukon, Canada. <i>Aerosol Science and Technology</i> , 2020, 54, 2-20.	3.1	19
21	Dust emissions created by low-level rotary-winged aircraft flight over desert surfaces. <i>Atmospheric Environment</i> , 2010, 44, 1043-1053.	4.1	17
22	Modeling aeolian sediment transport thresholds on physically rough Martian surfaces: A shear stress partitioning approach. <i>Geomorphology</i> , 2010, 121, 15-21.	2.6	16
23	South African dust contribution to the high southern latitudes and East Antarctica during interglacial stages. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	8
24	Remote sensing of a high-Arctic, local dust event over Lake Hazen (Ellesmere Island, Nunavut, Canada). <i>Atmospheric Environment</i> , 2021, 246, 118102.	4.1	6
25	Ice nucleating properties of airborne dust from an actively retreating glacier in Yukon, Canada. <i>Environmental Science Atmospheres</i> , 2022, 2, 714-726.	2.4	5
26	Trans-Atlantic Connections between North African Dust Flux and Tree Growth in the Florida Keys, United States. <i>Earth Interactions</i> , 2017, 21, 1-22.	1.5	3
27	Correction to "In situ observations of soil minerals and organic matter in the early phases of prescribed fires". <i>Journal of Geophysical Research</i> , 2012, 117, n/a-n/a.	3.3	1
28	Factors controlling the spatial and temporal variability of dust emissions. <i>Diqiu Huaxue</i> , 2006, 25, 219-220.	0.5	0
29	Impacts of grazing on vegetation dynamics in a sediment transport complex model. <i>Earth Surface Dynamics</i> , 2021, 9, 29-45.	2.4	0
30	Measuring Sediment Transport by Wind. , 2021, , .		0