

Joanna M. Nield

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Topographic perturbation of turbulent boundary layers by low-angle, early-stage aeolian dunes. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 1439-1454.	1.2	3
2	Dune Initiation in a Bimodal Wind Regime. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005757.	1.0	16
3	Surface and subsurface characterisation of salt pans expressing polygonal patterns. <i>Earth System Science Data</i> , 2020, 12, 2881-2898.	3.7	5
4	Early-stage aeolian protodunes: Bedform development and sand transport dynamics. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 339-346.	1.2	22
5	Coupling leeside grainfall to avalanche characteristics in aeolian dune dynamics. <i>Geology</i> , 2017, 45, 271-274.	2.0	30
6	Vegetation of Eurasia from the last glacial maximum to present: Key biogeographic patterns. <i>Quaternary Science Reviews</i> , 2017, 157, 80-97.	1.4	159
7	Evaporative sodium salt crust development and its wind tunnel derived transport dynamics under variable climatic conditions. <i>Aeolian Research</i> , 2016, 23, 51-62.	1.1	31
8	Climate-surface-pore-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.	1.2	24
9	The dynamism of salt crust patterns on playas. <i>Geology</i> , 2015, 43, 31-34.	2.0	31
10	A prospectus for future geomorphological investigation of the Namib Sand Sea. <i>Transactions of the Royal Society of South Africa</i> , 2014, 69, 151-156.	0.8	0
11	Wind speed and sediment transport recovery in the lee of a vegetated and denuded nebkha within a nebkha dune field. <i>Aeolian Research</i> , 2014, 12, 135-141.	1.1	62
12	Detecting surface moisture in aeolian environments using terrestrial laser scanning. <i>Aeolian Research</i> , 2014, 12, 9-17.	1.1	30
13	Complex spatial feedbacks of tephra redistribution, ice melt and surface roughness modulate ablation on tephra covered glaciers. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 95-102.	1.2	30
14	Estimating aerodynamic roughness over complex surface terrain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,948.	1.2	51
15	Surface moisture-induced feedback in aeolian environments. <i>Geology</i> , 2011, 39, 915-918.	2.0	20
16	Tree line identification from pollen data: beyond the limit?. <i>Journal of Biogeography</i> , 2011, 38, 1792-1806.	1.4	25
17	Modelling controls on aeolian dune-field pattern evolution. <i>Sedimentology</i> , 2011, 58, 1391-1406.	1.6	47
18	Aeolian sand strip mobility and protodune development on a drying beach: examining surface moisture and surface roughness patterns measured by terrestrial laser scanning. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 513-522.	1.2	115

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19	The application of terrestrial laser scanning to aeolian saltation cloud measurement and its response to changing surface moisture. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 273-278.	1.2	54
20	Ecogeomorphic state variables and phase-space construction for quantifying the evolution of vegetated aeolian landscapes. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 717-731.	1.2	23
21	Investigating parabolic and nebkha dune formation using a cellular automaton modelling approach. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 724-740.	1.2	108
22	The influence of different environmental and climatic conditions on vegetated aeolian dune landscape development and response. <i>Global and Planetary Change</i> , 2008, 64, 76-92.	1.6	83
23	Two-dimensional equilibrium morphological modelling of a tidal inlet: an entropy based approach. <i>Ocean Dynamics</i> , 2005, 55, 549-558.	0.9	8