

Bernard Bauer

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,694
citations

331259

21
h-index

476904

29
g-index

31
all docs

31
docs citations

31
times ranked

972
citing authors

#	ARTICLE	IF	CITATIONS
1	Air flow and sediment transport dynamics on a foredune with contrasting vegetation cover. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2811-2829.	1.2	9
2	CFD simulations of wind flow across scarped foredunes: Implications for sediment pathways and beach dune recovery after storms. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2989-3015.	1.2	10
3	A preliminary assessment of machine learning algorithms for predicting CFD-simulated wind flow patterns over idealised foredunes. <i>Journal of the Royal Society of New Zealand</i> , 2021, 51, 290-306.	1.0	8
4	Controls on the geomorphic response of beach-dune systems to water level rise. <i>Journal of Great Lakes Research</i> , 2021, 47, 1594-1612.	0.8	18
5	Aeolian sand transport and deposition patterns within a large woody debris matrix fronting a foredune. <i>Geomorphology</i> , 2019, 338, 1-15.	1.1	24
6	The Role of Large Woody Debris in Beach-Dune Interaction. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 2854-2876.	1.0	14
7	Sediment budget controls on foredune height: Comparing simulation model results with field data. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1798-1810.	1.2	72
8	On the frequency response of a Wenglor particle-counting system for aeolian transport measurements. <i>Aeolian Research</i> , 2018, 32, 133-140.	1.1	8
9	Airflow Dynamics over a Beach and Foredune System with Large Woody Debris. <i>Geosciences (Switzerland)</i> , 2018, 8, 147.	1.0	17
10	Foredune morphodynamics and sediment budgets at seasonal to decadal scales: Humboldt Bay National Wildlife Refuge, California, USA. <i>Geomorphology</i> , 2018, 318, 69-87.	1.1	23
11	Scale-dependent perspectives on the geomorphology and evolution of beach-dune systems. <i>Earth-Science Reviews</i> , 2017, 171, 220-253.	4.0	110
12	Sediment transport (dis)continuity across a beach-dune profile during an offshore wind event. <i>Geomorphology</i> , 2015, 245, 135-148.	1.1	25
13	Flow deflection over a foredune. <i>Geomorphology</i> , 2015, 230, 64-74.	1.1	69
14	Aeolian particle flux profiles and transport unsteadiness. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 1542-1563.	1.0	47
15	Reynolds stress and sand transport over a foredune. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1735-1747.	1.2	40
16	Aeolian dynamics over a coastal foredune, Prince Edward Island, Canada. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1566-1575.	1.2	30
17	Turbulent Reynolds stress and quadrant event activity in wind flow over a coastal foredune. <i>Geomorphology</i> , 2012, 151-152, 1-12.	1.1	38
18	Assessing aeolian beach surface dynamics using a remote sensing approach. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1651-1660.	1.2	23

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19	Wind direction and complex sediment transport response across a beach-dune system. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1661-1677.	1.2	97
20	High-frequency sediment transport responses on a vegetated foredune. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1227-1241.	1.2	83
21	Responses of three-dimensional flow to variations in the angle of incident wind and profile form of dunes: Greenwich Dunes, Prince Edward Island, Canada. <i>Geomorphology</i> , 2009, 105, 127-138.	1.1	78
22	Turbulent flow over a dune: Green River, Colorado. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 289-304.	1.2	78
23	A general framework for modeling sediment supply to coastal dunes including wind angle, beach geometry, and fetch effects. <i>Geomorphology</i> , 2003, 49, 89-108.	1.1	230
24	Estimating Boat-Wake-Induced Levee Erosion using Sediment Suspension Measurements. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2002, 128, 152-162.	0.5	75
25	Design and field test of a continuously weighing, tipping-bucket assembly for aeolian sand traps. <i>Earth Surface Processes and Landforms</i> , 1998, 23, 1171-1183.	1.2	49
26	Waves and Sandbar Erosion in the Grand Canyon: Applying Coastal Theory to a Fluvial System. <i>Annals of the American Association of Geographers</i> , 1993, 83, 475-497.	3.0	14
27	Dynamics of beach-dune systems. <i>Progress in Physical Geography</i> , 1993, 17, 413-447.	1.4	191
28	Sources of Uncertainty in Shear Stress and Roughness Length Estimates Derived from Velocity Profiles—. <i>Professional Geographer</i> , 1992, 44, 453-464.	1.0	104
29	Aeolian Decoupling of Beach Sediments. <i>Annals of the American Association of Geographers</i> , 1991, 81, 290-303.	3.0	27