

Travis E Swanson

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

428
citations

840776

11
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of hyporheic flow and heat transport across a bed-to-bank continuum in a large regulated river. <i>Water Resources Research</i> , 2011, 47, .	4.2	95
2	Methodology for reconstructing wind direction, wind speed and duration of wind events from aeolian cross-strata. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	61
3	Diel heat transport within the hyporheic zone of a pool-riffle-pool sequence of a losing stream and evaluation of models for fluid flux estimation using heat. <i>Limnology and Oceanography</i> , 2010, 55, 1741-1754.	3.1	53
4	Ex-Stream: A MATLAB program for calculating fluid flux through sediment-water interfaces based on steady and transient temperature profiles. <i>Computers and Geosciences</i> , 2011, 37, 1664-1669.	4.2	50
5	The anatomy of exhumed river-channel belts: Bedform to belt-scale river kinematics of the Ruby Ranch Member, Cretaceous Cedar Mountain Formation, Utah, USA. <i>Sedimentology</i> , 2020, 67, 3655-3682.	3.1	23
6	Aeolian dune sediment flux variability over an annual cycle of wind. <i>Sedimentology</i> , 2016, 63, 1753-1764.	3.1	20
7	Throughfall and stemflow are major hydrologic highways for particulate traffic through tree canopies. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 404-410.	4.0	20
8	Bedform spurs: a result of a trailing helical vortex wake. <i>Sedimentology</i> , 2018, 65, 191-208.	3.1	18
9	Preservation of Autogenic Processes and Allogenic Forcings in Set-Scale Aeolian Architecture I: Numerical Experiments. <i>Journal of Sedimentary Research</i> , 2019, 89, 728-740.	1.6	16
10	Preservation of Autogenic Processes and Allogenic Forcings in Set-Scale Aeolian Architecture II: The Scour-and-Fill Dominated Jurassic Page Sandstone, Arizona, U.S.A.. <i>Journal of Sedimentary Research</i> , 2019, 89, 741-760.	1.6	16
11	Hydraulic and thermal response of groundwater-surface water exchange to flooding in an experimental aquifer. <i>Journal of Hydrology</i> , 2012, 472-473, 184-192.	5.4	15
12	A Surface Model for Aeolian Dune Topography. <i>Mathematical Geosciences</i> , 2017, 49, 635-655.	2.4	11
13	Dune-scale cross-strata across the fluvial-deltaic backwater regime: Preservation potential of an autogenic stratigraphic signature. <i>Geology</i> , 2020, 48, 1144-1148.	4.4	9
14	Impacts of Engineered Diversions and Natural Avulsions on Delta-Lobe Stability. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092438.	4.0	7
15	Holocene progradation and retrogradation of the Central Texas Coast regulated by alongshore and cross-shore sediment flux variability. <i>Depositional Record</i> , 2021, 7, 77-92.	1.7	3
16	Wrack and ruin: Legacy hydrologic effects of hurricane-deposited wrack on hardwood-hammock coastal islands. <i>Environmental Research Communications</i> , 2020, 2, 061001.	2.3	3
17	The Effect of Remote Sensing Resolution Limits on Aeolian Sandstone Measurements and the Reconstruction of Ancient Dune Fields on Mars: Numerical Experiment Using the Page Sandstone, Earth. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3244-3256.	3.6	0
18	Carbonate dissolution cones require more than stemflow funneling from plants. <i>Geomorphology</i> , 2022, 407, 108215.	2.6	0