

Julian Leyland

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,128
citations

471477

17
h-index

434170

31
g-index

32
all docs

32
docs citations

32
times ranked

1504
citing authors

#	ARTICLE	IF	CITATIONS
1	Streamflow Prediction in Highly Regulated, Transboundary Watersheds Using Multi-Basin Modeling and Remote Sensing Imagery. <i>Water Resources Research</i> , 2022, 58, .	4.2	10
2	Climate and human exploitation have regulated Atlantic salmon populations in the River Spey, Scotland, over the last 2000 years. <i>Holocene</i> , 2022, 32, 780-793.	1.7	2
3	Geospatial modelling of tropical cyclone risk along the northeast coast of Oman: Marine hazard mitigation and management policies. <i>Marine Policy</i> , 2021, 129, 104544.	3.2	12
4	Exploring the Capability of Natural Flood Management Approaches in Groundwater-Dominated Chalk Streams. <i>Water (Switzerland)</i> , 2021, 13, 2212.	2.7	4
5	Development and Testing of a UAV Laser Scanner and Multispectral Camera System for Eco-Geomorphic Applications. <i>Sensors</i> , 2021, 21, 7719.	3.8	5
6	What is <i>Area</i> to physical and environmental geography?. <i>Area</i> , 2021, 53, 554-556.	1.6	1
7	Continuing conversations: Reflections on the role and future of <i>Area</i> from the new editorial team. <i>Area</i> , 2020, 52, 462-463.	1.6	5
8	Quantifying Fluid Retention Due to Natural Vegetation in a Forest Floodplain Analogue Using the Aggregated Dead Zone (ADZ) Dilution Approach. <i>Water Resources Research</i> , 2020, 56, e2020WR027070.	4.2	7
9	Mean flow and turbulence structure over exposed roots on a forested floodplain: Insights from a controlled laboratory experiment. <i>PLoS ONE</i> , 2020, 15, e0229306.	2.5	3
10	River bank instability from unsustainable sand mining in the lower Mekong River. <i>Nature Sustainability</i> , 2020, 3, 217-225.	23.7	153
11	Benthic-based contributions to climate change mitigation and adaptation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190107.	4.0	30
12	Drainage and erosion of Cambodia's great lake in the middle-late Holocene: The combined role of climatic drying, base-level fall and river capture. <i>Quaternary Science Reviews</i> , 2020, 236, 106265.	3.0	5
13	X-ray computed tomography reveals that grain protrusion controls critical shear stress for entrainment of fluvial gravels. <i>Geology</i> , 2020, 48, 149-153.	4.4	15
14	Remote sensing of river corridors: A review of current trends and future directions. <i>River Research and Applications</i> , 2019, 35, 779-803.	1.7	83
15	Development of a vector-based 3D grain entrainment model with application to X-ray computed tomography scanned riverbed sediment. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 3057-3077.	2.5	7
16	The influence of flow discharge variations on the morphodynamics of a diffuence-confluence unit on a large river. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 349-362.	2.5	41
17	Storm-wave development of shore-normal grooves (gutters) on a steep sandstone beach face. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 207, 312-324.	2.1	2
18	Extreme flood-driven fluvial bank erosion and sediment loads: direct process measurements using integrated Mobile Laser Scanning (MLS) and hydroacoustic techniques. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 334-346.	2.5	39

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19	The Southampton-York Natural Scenes (SYNS) dataset: Statistics of surface attitude. Scientific Reports, 2016, 6, 35805.	3.3	64
20	Fluvial sediment supply to a mega-delta reduced by shifting tropical-cyclone activity. Nature, 2016, 539, 276-279.	27.8	187
21	Modulation of outer bank erosion by slump blocks: Disentangling the protective and destructive role of failed material on the three-dimensional flow structure. Geophysical Research Letters, 2015, 42, 10,663.	4.0	65
22	A self-limiting bank erosion mechanism? inferring temporal variations in bank form and skin drag from high resolution topographic data. Earth Surface Processes and Landforms, 2015, 40, 1600-1615.	2.5	19
23	Landscapes on the edge: examining the role of climatic interactions in shaping coastal watersheds using a coastal-terrestrial landscape evolution model. Earth Surface Processes and Landforms, 2015, 40, 313-325.	2.5	5
24	Spatial variations in surface sediment structure in riffle-pool sequences: a preliminary test of the Differential Sediment Entrainment Hypothesis (DSEH). Earth Surface Processes and Landforms, 2013, 38, 449-465.	2.5	76
25	Complex spatial feedbacks of tephra redistribution, ice melt and surface roughness modulate ablation on tephra covered glaciers. Earth Surface Processes and Landforms, 2013, 38, 95-102.	2.5	30
26	Modelling the response of soft cliffs to climate change: A statistical, process-response model using accumulated excess energy. Geomorphology, 2013, 187, 108-121.	2.6	46
27	Decoding the drivers of bank erosion on the Mekong river: The roles of the Asian monsoon, tropical storms, and snowmelt. Water Resources Research, 2013, 49, 2146-2163.	4.2	49
28	Estimating aerodynamic roughness over complex surface terrain. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,948.	3.3	51
29	A physically based model to predict hydraulic erosion of fine-grained riverbanks: The role of form roughness in limiting erosion. Journal of Geophysical Research, 2010, 115, .	3.3	57
30	Effects of Holocene climate and sea-level changes on coastal gully evolution: insights from numerical modelling. Earth Surface Processes and Landforms, 2009, 34, 1878-1893.	2.5	18
31	An empirical-conceptual gully evolution model for channelled sea cliffs. Geomorphology, 2008, 102, 419-434.	2.6	36
32	Spatial variations in surface sediment structure in riffle-pool sequences: a preliminary test of the Differential Sediment Entrainment Hypothesis (DSEH). , 0, .		1