

Alex Whittaker

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,673
citations

304743

22
h-index

289244

40
g-index

51
all docs

51
docs citations

51
times ranked

1427
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying structural controls on submarine channel architecture and kinematics. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 928-940.	3.3	4
2	Quantifying the competing influences of lithology and throw rate on bedrock river incision. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 1649-1664.	3.3	6
3	Quantifying the relationship between structural deformation and the morphology of submarine channels on the Niger Delta continental slope. <i>Basin Research</i> , 2021, 33, 186-209.	2.7	11
4	Impact of climate on landscape form, sediment transfer and the sedimentary record. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 990-1006.	2.5	14
5	Fault Throw and Regional Uplift Histories From Drainage Analysis: Evolution of Southern Italy. <i>Tectonics</i> , 2021, 40, e2020TC006076.	2.8	7
6	Reconstructing the morphologies and hydrodynamics of ancient rivers from source to sink: Cretaceous Western Interior Basin, Utah, USA. <i>Sedimentology</i> , 2021, 68, 2854-2886.	3.1	14
7	Source Region Geochemistry From Unmixing Downstream Sedimentary Elemental Compositions. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009838.	2.5	11
8	Multivariate Statistical Appraisal of Regional Susceptibility to Induced Seismicity: Application to the Permian Basin, SW United States. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022768.	3.4	7
9	The shaping of erosional landscapes by internal dynamics. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 661-676.	29.7	34
10	Comparison of methods to estimate sediment flux in ancient sediment routing systems. <i>Earth-Science Reviews</i> , 2020, 207, 103217.	9.1	21
11	Growth of a thrust fault array in space and time: An example from the deep-water Niger delta. <i>Journal of Structural Geology</i> , 2020, 137, 104088.	2.3	18
12	Straight from the source's mouth: Controls on field-constrained sediment export across the entire active Corinth Rift, central Greece. <i>Basin Research</i> , 2020, 32, 1600-1625.	2.7	12
13	Predicting sediment discharges and erosion rates in deep time examples from the late Cretaceous North American continent. <i>Basin Research</i> , 2020, 32, 1547-1573.	2.7	12
14	Are landscapes buffered to high-frequency climate change? A comparison of sediment fluxes and depositional volumes in the Corinth Rift, central Greece, over the past 130 k.y.. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 372-388.	3.3	25
15	Continental-scale Landscape Evolution: A History of North American Topography. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 2689-2722.	2.8	23
16	Low-gradient, single-threaded rivers prior to greening of the continents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11652-11657.	7.1	42
17	¹⁰ Be erosion rates controlled by transient response to normal faulting through incision and landsliding. <i>Earth and Planetary Science Letters</i> , 2019, 507, 140-153.	4.4	18
18	Normal fault evolution and coupled landscape response: examples from the Southern Apennines, Italy. <i>Basin Research</i> , 2018, 30, 186-209.	2.7	15

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19	Source-to-sink analysis in an active extensional setting: Holocene erosion and deposition in the Sperchios rift, central Greece. <i>Basin Research</i> , 2018, 30, 522-543.	2.7	32
20	Lithological controls on hillslope sediment supply: insights from landslide activity and grain size distributions. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 956-977.	2.5	56
21	Geomorphic evidence for the geometry and slip rate of a young, low-angle thrust fault: Implications for hazard assessment and fault interaction in complex tectonic environments. <i>Earth and Planetary Science Letters</i> , 2018, 504, 198-210.	4.4	16
22	Applying Pattern Oriented Sampling in current fieldwork practice to enable more effective model evaluation in fluvial landscape evolution research. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2964-2980.	2.5	7
23	Quantifying Sediment Transport Dynamics on Alluvial Fans From Spatial and Temporal Changes in Grain Size, Death Valley, California. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2039-2067.	2.8	15
24	Fractionation of grain size in terrestrial sediment routing systems. <i>Basin Research</i> , 2017, 29, 180-202.	2.7	20
25	Structural and geomorphological constraints on active normal faulting and landscape evolution in Calabria, Italy. <i>Journal of the Geological Society</i> , 2017, 174, 701-720.	2.1	22
26	Glacial-interglacial climate changes recorded by debris flow fan deposits, Owens Valley, California. <i>Quaternary Science Reviews</i> , 2017, 169, 288-311.	3.0	32
27	Normal fault growth and linkage in the Gediz (Alaşehir) Graben, Western Turkey, revealed by transient river long-profiles and slope-break knickpoints. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 836-852.	2.5	40
28	Two decades of numerical modelling to understand long term fluvial archives: Advances and future perspectives. <i>Quaternary Science Reviews</i> , 2017, 166, 177-187.	3.0	18
29	Measuring alluvial fan sensitivity to past climate changes using a self-similarity approach to grain size fining, Death Valley, California. <i>Sedimentology</i> , 2017, 64, 388-424.	3.1	43
30	Geomorphic constraints on fault throw rates and linkage times: Examples from the Northern Gulf of Evia, Greece. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 137-158.	2.8	34
31	Tectonics, sedimentation and surface processes: from the erosional engine to basin deposition. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1839-1846.	2.5	11
32	Sediment Transport Model For the Eocene Escanilla Sediment-Routing System: Implications For the Uniqueness of Sequence Stratigraphic Architectures. <i>Journal of Sedimentary Research</i> , 2015, 85, 1510-1524.	1.6	23
33	Dating alluvial fan surfaces in Owens Valley, California, using weathering fractures in boulders. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 487-501.	2.5	22
34	Fragmentation Model of the Grain Size Mix of Sediment Supplied to Basins. <i>Journal of Geology</i> , 2015, 123, 405-427.	1.4	21
35	Delayed delivery from the sediment factory: modeling the impact of catchment response time to tectonics on sediment flux and fluvio-deltaic stratigraphy. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 689-704.	2.5	38
36	A Cenozoic uplift history of Mexico and its surroundings from longitudinal river profiles. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4734-4758.	2.5	42

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37	The <i>Q</i> problem: Sediment volumetric balance of proximal foreland basin systems. <i>Sedimentology</i> , 2013, 60, 102-130.	3.1	115
38	Temporal buffering of climate-driven sediment flux cycles by transient catchment response. <i>Earth and Planetary Science Letters</i> , 2013, 369-370, 200-210.	4.4	85
39	Grain-size trends reveal the late orogenic tectonic and erosional history of the south-eastern central Pyrenees, Spain. <i>Journal of the Geological Society</i> , 2012, 169, 111-114.	2.1	26
40	Abrupt landscape change post-6 Ma on the central Great Plains, USA. <i>Geology</i> , 2012, 40, 871-874.	4.4	60
41	Tectonic and climatic controls on knickpoint retreat rates and landscape response times. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	154
42	Geomorphic significance of postglacial bedrock scarps on normal-fault footwalls. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	58
43	Characterising the origin, nature and fate of sediment exported from catchments perturbed by active tectonics. <i>Basin Research</i> , 2010, 22, 809-828.	2.7	87
44	Decoding temporal and spatial patterns of fault uplift using transient river long profiles. <i>Geomorphology</i> , 2008, 100, 506-526.	2.6	177
45	Contrasting transient and steady-state rivers crossing active normal faults: new field observations from the Central Apennines, Italy. <i>Basin Research</i> , 2007, 19, 529-556.	2.7	121
46	New statistical quantification of the impact of active deformation on the distribution of submarine channels. <i>Geology</i> , 0, , .	4.4	4
47	Tectonic controls on Quaternary landscape evolution in the Ventura basin, southern California, USA, quantified using cosmogenic isotopes and topographic analyses. <i>Bulletin of the Geological Society of America</i> , 0, , .	3.3	0