Brian J Yanites

List of Publications by Year
in descending order

44 papers	1,385 citations	430874 18 h-index	330143 37 g-index
48 all docs	48 docs citations	48 times ranked	1685 citing authors

#	Article	IF	Citations
1	Extreme event-driven sediment aggradation and erosional buffering along a tectonic gradient in southern Taiwan. Geology, 2022, 50, 16-20.	4.4	6
2	A Field Study on the Lithological Influence on the Interaction Between Weathering and Abrasion Processes in Bedrock Rivers. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	1
3	A modeling framework (WRF-Landlab) for simulating orogen-scale climate-erosion coupling. Computers and Geosciences, 2021, 146, 104625.	4.2	7
4	Flume Experiments on the Erosive Energy of Bed Load Impacts on Rough and Planar Beds. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005834.	2.8	3
5	Quantifying Normal Fault Evolution from River Profile Analysis in the Northern Basin and Range Province, Southwest Montana, USA. Lithosphere, 2021, 2021, .	1.4	6
6	Bedrock river erosion through dipping layered rocks: quantifying erodibility through kinematic wave speed. Earth Surface Dynamics, 2021, 9, 723-753.	2.4	4
7	Analysis of Hillslope Erosion Based on Excess Topography in Southeastern Tibet. Frontiers in Earth Science, 2021, 9, .	1.8	2
8	Geomorphic effects of recurrent outburst superfloods in the Yigong River on the southeastern margin of Tibet. Scientific Reports, 2021, 11, 15577.	3.3	5
9	Topographic Roughness on Forested Hillslopes: A Theoretical Approach for Quantifying Hillslope Sediment Flux From Tree Throw. Geophysical Research Letters, 2021, 48, e2021GL094987.	4.0	5
10	Variability and Controls on Î´¹⁸O, dâ€excess, and âˆ†â€²¹⁷O in Southern Peruvian Precipitation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034009.	3.3	12
11	Landscape evolution under the southern Laurentide Ice Sheet. Science Advances, 2021, 7, eabj2938.	10.3	3
12	Integrated UAS and LiDAR reveals the importance of land cover and flood magnitude on the formation of incipient chute holes and chute cutoff development. Earth Surface Processes and Landforms, 2020, 45, 1441-1455.	2.5	11
13	Spatially Variable Increase in Rock Uplift in the Northern U.S. Cordillera Recorded in the Distribution of River Knickpoints and Incision Depths. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1238-1260.	2.8	28
14	Late Miocene rejuvenation of central Idaho landscape evolution: A case for surface processes driven by plume-lithosphere interaction. Lithosphere, 2019, 11, 59-72.	1.4	9
15	Latitudinal trends in modern fluvial erosional efficiency along the Andes. Geomorphology, 2019, 329, 170-183.	2.6	2
16	Landslides control the spatial and temporal variation of channel width in southern Taiwan: Implications for landscape evolution and cascading hazards in steep, tectonically active landscapes. Earth Surface Processes and Landforms, 2018, 43, 1782-1797.	2.5	14
17	Sex that moves mountains: The influence of spawning fish on river profiles over geologic timescales. Geomorphology, 2018, 305, 163-172.	2.6	16
18	Large catchment area recharges Titanâ€™s Ontario Lacus. Icarus, 2018, 299, 331-338.	2.5	13

#	Article	IF	Citations
19	The Dynamics of Channel Slope, Width, and Sediment in Actively Eroding Bedrock River Systems. Journal of Geophysical Research F: Earth Surface, 2018, 123, 1504-1527.	2.8	74
20	Biodiversity and Topographic Complexity: Modern and Geohistorical Perspectives. Trends in Ecology and Evolution, 2017, 32, 211-226.	8.7	175
21	Lithologic Effects on Landscape Response to Base Level Changes: A Modeling Study in the Context of the Eastern Jura Mountains, Switzerland. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2196-2222.	2.8	40
22	Complexities of landscape evolution during incision through layered stratigraphy with contrasts in rock strength. Earth Surface Processes and Landforms, 2016, 41, 1736-1757.	2.5	102
23	Intermittent glacial sliding velocities explain variations in long-timescale denudation. Earth and Planetary Science Letters, 2016, 450, 52-61.	4.4	15
24	HYDROLOGY-BASED UNDERSTANDING OF ONTARIO LACUS ON TITAN'S SOUTH POLE. , 2016, , .		0
25	EXPLORING THE LITHOLOGIC INFLUENCE ON BEDROCK RIVER MORPHOLOGY THROUGH THE SALMON RIVER WATERSHED OF CENTRAL IDAHO. , 2016, , .		0
26	PATTERNS OF STEEPNESS IN WALLOWA RIVERS. , 2016, , .		0
27	LANDSCAPES WITH LATITUDE: QUANTIFYING THE INFLUENCE OF CLIMATIC REGIMES ON GEOMORPHIC EFFECTIVENESS. , 2016, , .		0
28	SURFACE PROCESSES DRIVEN BY PLUME-LITHOSPHERE INTERACTION: USING COSMOGENIC¹⁰BE RADIONUCLIDES WITH A RIVER INCISION MODEL TO STUDY LATE MIOCENE LANDSCAPE EVOLUTION IN CENTRAL IDAHO. , 2016, , .		0
29	EXPLORING THE LITHOLOGIC INFLUENCE ON BEDROCK RIVER MORPHOLOGY THROUGH LANDSCAPE TRANSIENCE IN THE SALMON RIVER WATERSHED OF CENTRAL IDAHO. , 2016, , .		0
30	BIASING OF DETRITAL MINERAL RECORDS WHEN ERODING THROUGH LAYERED STRATIGRAPHY. , 2016, , .		0
31	Identifying spatial variations in glacial catchment erosion with detrital thermochronology. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1023-1039.	2.8	26
32	A climate signal in exhumation patterns revealed by porphyry copper deposits. Nature Geoscience, 2015, 8, 462-465.	12.9	33
33	Vegetation-precipitation controls on Central Andean topography. Journal of Geophysical Research F: Earth Surface, 2014, 119, 1354-1375.	2.8	26
34	High magnitude and rapid incision from river capture: Rhine River, Switzerland. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1060-1084.	2.8	57
35	Quantifying the role of paleoclimate and Andean Plateau uplift on river incision. Journal of Geophysical Research F: Earth Surface, 2013, 118, 852-871.	2.8	29
36	Global climate and tectonic controls on the denudation of glaciated mountains. Earth and Planetary Science Letters, 2012, 325-326, 63-75.	4.4	55

#	Article	IF	Citations
37	The influence of sediment cover variability on long-term river incision rates: An example from the Peikang River, central Taiwan. Journal of Geophysical Research, 2011, 116, .	3.3	39
38	How rivers react to large earthquakes: Evidence from central Taiwan. Geology, 2010, 38, 639-642.	4.4	118
39	Incision and channel morphology across active structures along the Peikang River, central Taiwan: Implications for the importance of channel width. Bulletin of the Geological Society of America, 2010, 122, 1192-1208.	3.3	93
40	Controls and limits on bedrock channel geometry. Journal of Geophysical Research, 2010, 115, .	3.3	112
41	Bedrock detection using 2D electrical resistivity imaging along the Peikang River, central Taiwan. Geomorphology, 2010, 114, 406-414.	2.6	50
42	Numerical and analytical models of cosmogenic radionuclide dynamics in landslideâ€dominated drainage basins. Journal of Geophysical Research, 2009, 114, .	3.3	137
43	Debris flow deposition and reworking by the Colorado River in Grand Canyon, Arizona. Water Resources Research, 2006, 42, .	4.2	16
44	Evolution of the Bonneville shoreline scarp in west-central Utah: Comparison of scarp-analysis methods and implications for the diffusion model of hillslope evolution. Geomorphology, 2006, 74, 257-270.	2.6	40