

Sean D Willett

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

3,370
citations

17
h-index

37
g-index

37
ext. papers

3,834
ext. citations

9.3
avg, IF

5.51
L-index

#	Paper	IF	Citations
32	Links between erosion, runoff variability and seismicity in the Taiwan orogen. <i>Nature</i> , 2003 , 426, 648-51	50.4	680
31	Orogeny and orography: The effects of erosion on the structure of mountain belts. <i>Journal of Geophysical Research</i> , 1999 , 104, 28957-28981		674
30	On steady states in mountain belts. <i>Geology</i> , 2002 , 30, 175	5	447
29	Dynamic reorganization of river basins. <i>Science</i> , 2014 , 343, 1248765	33.3	361
28	Uplift, Shortening, and Steady State Topography in Active Mountain Belts. <i>Numerische Mathematik</i> , 2001 , 301, 455-485	5.3	196
27	Erosion rates and orogenic-wedge kinematics in Taiwan inferred from fission-track thermochronometry. <i>Geology</i> , 2003 , 31, 945	5	169
26	In situ low-relief landscape formation as a result of river network disruption. <i>Nature</i> , 2015 , 520, 526-9	50.4	148
25	Tectonics from fluvial topography using formal linear inversion: Theory and applications to the Inyo Mountains, California. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014 , 119, 1651-1681	3.8	110
24	Quantitative testing of bedrock incision models for the Clearwater River, NW Washington State. <i>Journal of Geophysical Research</i> , 2003 , 108,		99
23	Coupled numerical-analytical approach to landscape evolution modeling. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 522-545	3.7	97
22	Dynamic and kinematic growth and change of a Coulomb wedge 1992 , 19-31		69
21	Some analytical methods for converting thermochronometric age to erosion rate. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 209-222	3.6	65
20	Fluvial bedrock incision in the active mountain belt of Taiwan from in situ-produced cosmogenic nuclides. <i>Earth Surface Processes and Landforms</i> , 2005 , 30, 955-971	3.7	57
19	Characterization of topographic steady state in Taiwan. <i>Earth and Planetary Science Letters</i> , 2007 , 261, 421-431	5.3	44
18	Transience of the North American High Plains landscape and its impact on surface water. <i>Nature</i> , 2018 , 561, 528-532	50.4	24
17	Evaluating igneous sources of the Taveyannaz formation in the Central Alps by detrital zircon U-Pb age dating and geochemistry. <i>Swiss Journal of Geosciences</i> , 2018 , 111, 399-416	2.1	20
16	Graphical methods of river profile analysis to unravel drainage area change, uplift and erodibility contrasts in the Central Range of Taiwan. <i>Earth Surface Processes and Landforms</i> , 2016 , 41, 2223-2238	3.7	19

15	Effects of River Capture and Sediment Flux on the Evolution of Plateaus: Insights From Numerical Modeling and River Profile Analysis in the Upper Blue Nile Catchment. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 1187-1217	3.8	17
14	Erosion rates across space and timescales from a multi-proxy study of rivers of eastern Taiwan. <i>Global and Planetary Change</i> , 2017 , 157, 174-193	4.2	16
13	Pleistocene terrace formation, Quaternary rock uplift rates and geodynamics of the Hellenic Subduction Zone revealed from dating of paleoshorelines on Crete, Greece. <i>Earth and Planetary Science Letters</i> , 2019 , 525, 115757	5.3	12
12	Quaternary drainage network reorganization in the Colombian Eastern Cordillera plateau. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 1789-1804	3.7	9
11	Restoring the source-to-sink relationships in the Paleogene foreland basins in the Central and Southern Alps (Switzerland, Italy, France): a detrital zircon study approach. <i>International Journal of Earth Sciences</i> , 2019 , 108, 1817-1834	2.2	7
10	The impact of storm-triggered landslides on sediment dynamics and catchment-wide denudation rates in the southern Central Range of Taiwan following the extreme rainfall event of Typhoon Morakot. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 548-564	3.7	6
9	Chemical Versus Mechanical Denudation in Meta-Clastic and Carbonate Bedrock Catchments on Crete, Greece, and Mechanisms for Steep and High Carbonate Topography. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019 , 124, 2943-2961	3.8	6
8	Erosional response of granular material in landscape models. <i>Earth Surface Dynamics</i> , 2020 , 8, 973-993	3.8	4
7	Escarpment retreat rates derived from detrital cosmogenic nuclide concentrations. <i>Earth Surface Dynamics</i> , 2021 , 9, 1301-1322	3.8	4
6	Drainage basin dynamics during the transition from early to mature orogeny in Southern Taiwan. <i>Earth and Planetary Science Letters</i> , 2021 , 562, 116874	5.3	3
5	Sediment Recycling and the Evolution of Analog Orogenic Wedges. <i>Tectonics</i> , 2022 , 41,	4.3	2
4	Revealing exhumation of the central Alps during the Early Oligocene by detrital zircon U/Bb age and fission-track double dating in the Taveyannaz Formation. <i>International Journal of Earth Sciences</i> , 2020 , 109, 2425-2446	2.2	2
3	Retreat of the Great Escarpment of Madagascar From Geomorphic Analysis and Cosmogenic ¹⁰ Be Concentrations. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2021GC009979	3.6	1
2	Spatial and Temporal Variations of Incision Rate of the Middle Yellow River and Its Tributaries. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022 , 127, e2021JF006327	3.8	0
1	Controls on Physical and Chemical Denudation in a Mixed Carbonate-Siliciclastic Orogen. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126, e2021JF006064	3.8	0