Jon F Tunnicliffe

List of Publications by Year
in descending order

41	1,201	516215 16	395343 33
papers	citations	h-index	g-index

54	54	54	1295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thawing of massive ground ice in mega slumps drives increases in stream sediment and solute flux across a range of watershed scales. Journal of Geophysical Research F: Earth Surface, 2013, 118, 681-692.	1.0	170
2	Increased precipitation drives mega slump development and destabilization of ice-rich permafrost terrain, northwestern Canada. Global and Planetary Change, 2015, 129, 56-68.	1.6	161
3	Climate-driven thaw of permafrost preserved glacial landscapes, northwestern Canada. Geology, 2017, 45, 371-374.	2.0	141
4	Salmonâ€driven bed load transport and bed morphology in mountain streams. Geophysical Research Letters, 2008, 35, .	1.5	88
5	Permafrost Terrain Dynamics and Infrastructure Impacts Revealed by UAV Photogrammetry and Thermal Imaging. Remote Sensing, 2018, 10, 1734.	1.8	77
6	SEDIMENT DISPERSION IN SALMON SPAWNING STREAMS: THE INFLUENCE OF FLOODS AND SALMON REDD CONSTRUCTION. Journal of the American Water Resources Association, 2004, 40, 1071-1086.	1.0	73
7	Managing sediment (dis)connectivity in fluvial systems. Science of the Total Environment, 2020, 736, 139627.	3.9	53
8	A geomorphic perspective on the rights of the river in Aotearoa New Zealand. River Research and Applications, 2019, 35, 1640-1651.	0.7	40
9	Using Structure from Motion photogrammetry to assess large wood (LW) accumulations in the field. Geomorphology, 2019, 346, 106851.	1.1	34
10	Thaw-driven mass wasting couples slopes with downstream systems, and effects propagate through Arctic drainage networks. Cryosphere, 2021, 15, 3059-3081.	1.5	34
11	Scale variation of postâ€glacial sediment yield in Chilliwack Valley, British Columbia. Earth Surface Processes and Landforms, 2011, 36, 229-243.	1.2	27
12	High resolution measurement of bedload transport. Hydrological Processes, 2000, 14, 2631-2643.	1.1	26
13	Reaction and relaxation in a coarse-grained fluvial system following catchment-wide disturbance. Geomorphology, 2018, 307, 50-64.	1.1	25
14	Porosity and volume assessments of large wood (LW) accumulations. Geomorphology, 2020, 358, 107122.	1.1	23
15	Land Use Change Detection and Prediction in Upper Siem Reap River, Cambodia. Hydrology, 2019, 6, 64.	1.3	21
16	Large wood (LW) 3D accumulation mapping and assessment using structure from Motion photogrammetry in the laboratory. Journal of Hydrology, 2020, 581, 124430.	2.3	18
17	SmartWood: Laboratory experiments for assessing the effectiveness of smart sensors for monitoring large wood movement behaviour. Catena, 2019, 182, 104145.	2.2	15
18	The Peel Plateau of Northwestern Canada: An Ice-Rich Hummocky Moraine Landscape in Transition. World Geomorphological Landscapes, 2017, , 109-122.	0.1	15

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19	Postglacial sediment budget of Chilliwack Valley, British Columbia. Earth Surface Processes and Landforms, 2012, 37, 1243-1262.	1.2	14
20	The influence of network structure upon sediment routing in two disturbed catchments, East Cape, New Zealand. Geomorphology, 2018, 307, 38-49.	1.1	14
21	Physical modelling of large wood (LW) processes relevant for river management: Perspectives from New Zealand and Switzerland. Earth Surface Processes and Landforms, 2022, 47, 32-57.	1.2	14
22	Assessment of land use and climate change effects on hydrology in the upper Siem Reap River and Angkor Temple Complex, Cambodia. Environmental Development, 2021, 39, 100615.	1.8	13
23	Morphodynamic research challenges for braided river environments: Lessons from the iconic case of New Zealand. Earth Surface Processes and Landforms, 2021, 46, 188-204.	1.2	12
24	Effects of large wood (LW) blockage on bedload connectivity in the presence of a hydraulic structure. Ecological Engineering, 2021, 161, 106156.	1.6	12
25	Postglacial sediment yield to Chilliwack Lake, British Columbia, Canada. Boreas, 2012, 41, 84-101.	1.2	11
26	Badass gully morphodynamics and sediment generation in Waipaoa Catchment, New Zealand. Earth Surface Processes and Landforms, 2020, 45, 3917-3930.	1.2	10
27	Tributaryâ€junction fans as buffers in the sediment cascade: a multiâ€decadal study. Earth Surface Processes and Landforms, 2020, 45, 265-279.	1.2	8
28	Identifying future climate change and drought detection using CanESM2 in the upper Siem Reap River, Cambodia. Dynamics of Atmospheres and Oceans, 2021, 94, 101182.	0.7	8
29	Genesis of a major gully mass-wasting complex, and implications for valley filling, East Cape, New Zealand. Bulletin of the Geological Society of America, 2018, 130, 1121-1130.	1.6	7
30	Reactivation of coastal landsliding at Sunkist Bay, Auckland, following ex-Tropical Cyclone Debbie, 5 April 2017. Landslides, 2020, 17, 2659-2669.	2.7	6
31	Flume experiments on the geomorphic effects of large wood in gravel-bed rivers. , 2020, , 1609-1615.		6
32	A 1â€D morphodynamic model of postglacial valley incision. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2253-2279.	1.0	4
33	Preliminary investigation of emerging suburban landsliding in Gisborne, New Zealand. Quarterly Journal of Engineering Geology and Hydrogeology, 2022, 55, .	0.8	4
34	The Effect of Large Wood Accumulations With Rootwads on Local Geomorphic Changes. Water Resources Research, 2022, 58, .	1.7	4
35	Engineering geomorphological reconnaissance of the December 2018 Waimata Valley mud volcano eruption, Gisborne, New Zealand. Quarterly Journal of Engineering Geology and Hydrogeology, 2022, 55, .	0.8	3
36	USING SMART SENSORS FOR MEASURING IMPACT FORCES OF LARGE WOOD (LW). , 2019, , .		2

#	Article	IF	Citations
37	Measuring the impact: new insights into flood-borne large wood collisions with river structures using an isolated sensor-unit. Natural Hazards, 2022, 113, 1495-1517.	1.6	2
38	River adjustments, geomorphic sensitivity and management implications in the WaipÄ•catchment, Aotearoa New Zealand. Geomorphology, 2022, 410, 108263.	1.1	2
39	Effects of a large woody debris accumulation on channel-bed morphology during flood events. E3S Web of Conferences, 2018, 40, 02024.	0.2	1
40	Sustainable water management in the Angkor Temple Complex, Cambodia. SN Applied Sciences, 2021, 3, 1.	1.5	1
41	Quantifying Sediment (Dis)Connectivity in the Modeling of River Systems. , 2021, , .		1