

# Jon F Tunnicliffe

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,201  
citations

516710

16  
h-index

395702

33  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1295  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical modelling of large wood (LW) processes relevant for river management: Perspectives from New Zealand and Switzerland. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 32-57.	2.5	14
2	Preliminary investigation of emerging suburban landsliding in Gisborne, New Zealand. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2022, 55, .	1.4	4
3	Measuring the impact: new insights into flood-borne large wood collisions with river structures using an isolated sensor-unit. <i>Natural Hazards</i> , 2022, 113, 1495-1517.	3.4	2
4	River adjustments, geomorphic sensitivity and management implications in the Waipā catchment, Aotearoa New Zealand. <i>Geomorphology</i> , 2022, 410, 108263.	2.6	2
5	The Effect of Large Wood Accumulations With Rootwads on Local Geomorphic Changes. <i>Water Resources Research</i> , 2022, 58, .	4.2	4
6	Engineering geomorphological reconnaissance of the December 2018 Waimata Valley mud volcano eruption, Gisborne, New Zealand. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2022, 55, .	1.4	3
7	Morphodynamic research challenges for braided river environments: Lessons from the iconic case of New Zealand. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 188-204.	2.5	12
8	Identifying future climate change and drought detection using CanESM2 in the upper Siem Reap River, Cambodia. <i>Dynamics of Atmospheres and Oceans</i> , 2021, 94, 101182.	1.8	8
9	Sustainable water management in the Angkor Temple Complex, Cambodia. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	1
10	Quantifying Sediment (Dis)Connectivity in the Modeling of River Systems. , 2021, , .		1
11	Effects of large wood (LW) blockage on bedload connectivity in the presence of a hydraulic structure. <i>Ecological Engineering</i> , 2021, 161, 106156.	3.6	12
12	Thaw-driven mass wasting couples slopes with downstream systems, and effects propagate through Arctic drainage networks. <i>Cryosphere</i> , 2021, 15, 3059-3081.	3.9	34
13	Assessment of land use and climate change effects on hydrology in the upper Siem Reap River and Angkor Temple Complex, Cambodia. <i>Environmental Development</i> , 2021, 39, 100615.	4.1	13
14	Tributary-€ junction fans as buffers in the sediment cascade: a multi-€decadal study. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 265-279.	2.5	8
15	Large wood (LW) 3D accumulation mapping and assessment using structure from Motion photogrammetry in the laboratory. <i>Journal of Hydrology</i> , 2020, 581, 124430.	5.4	18
16	Badass gully morphodynamics and sediment generation in Waipaoa Catchment, New Zealand. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3917-3930.	2.5	10
17	Managing sediment (dis)connectivity in fluvial systems. <i>Science of the Total Environment</i> , 2020, 736, 139627.	8.0	53
18	Reactivation of coastal landsliding at Sunkist Bay, Auckland, following ex-Tropical Cyclone Debbie, 5 April 2017. <i>Landslides</i> , 2020, 17, 2659-2669.	5.4	6

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19	Porosity and volume assessments of large wood (LW) accumulations. <i>Geomorphology</i> , 2020, 358, 107122.	2.6	23
20	Flume experiments on the geomorphic effects of large wood in gravel-bed rivers. , 2020, , 1609-1615.		6
21	A geomorphic perspective on the rights of the river in Aotearoa New Zealand. <i>River Research and Applications</i> , 2019, 35, 1640-1651.	1.7	40
22	Land Use Change Detection and Prediction in Upper Siem Reap River, Cambodia. <i>Hydrology</i> , 2019, 6, 64.	3.0	21
23	SmartWood: Laboratory experiments for assessing the effectiveness of smart sensors for monitoring large wood movement behaviour. <i>Catena</i> , 2019, 182, 104145.	5.0	15
24	Using Structure from Motion photogrammetry to assess large wood (LW) accumulations in the field. <i>Geomorphology</i> , 2019, 346, 106851.	2.6	34
25	USING SMART SENSORS FOR MEASURING IMPACT FORCES OF LARGE WOOD (LW). , 2019, , .		2
26	The influence of network structure upon sediment routing in two disturbed catchments, East Cape, New Zealand. <i>Geomorphology</i> , 2018, 307, 38-49.	2.6	14
27	Reaction and relaxation in a coarse-grained fluvial system following catchment-wide disturbance. <i>Geomorphology</i> , 2018, 307, 50-64.	2.6	25
28	Permafrost Terrain Dynamics and Infrastructure Impacts Revealed by UAV Photogrammetry and Thermal Imaging. <i>Remote Sensing</i> , 2018, 10, 1734.	4.0	77
29	Genesis of a major gully mass-wasting complex, and implications for valley filling, East Cape, New Zealand. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1121-1130.	3.3	7
30	Effects of a large woody debris accumulation on channel-bed morphology during flood events. <i>E3S Web of Conferences</i> , 2018, 40, 02024.	0.5	1
31	Climate-driven thaw of permafrost preserved glacial landscapes, northwestern Canada. <i>Geology</i> , 2017, 45, 371-374.	4.4	141
32	The Peel Plateau of Northwestern Canada: An Ice-Rich Hummocky Moraine Landscape in Transition. <i>World Geomorphological Landscapes</i> , 2017, , 109-122.	0.3	15
33	A 1â€ morphodynamic model of postglacial valley incision. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 2253-2279.	2.8	4
34	Increased precipitation drives mega slump development and destabilization of ice-rich permafrost terrain, northwestern Canada. <i>Global and Planetary Change</i> , 2015, 129, 56-68.	3.5	161
35	Thawing of massive ground ice in mega slumps drives increases in stream sediment and solute flux across a range of watershed scales. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 681-692.	2.8	170
36	Postglacial sediment budget of Chilliwack Valley, British Columbia. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1243-1262.	2.5	14

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37	Postglacial sediment yield to Chilliwack Lake, British Columbia, Canada. <i>Boreas</i> , 2012, 41, 84-101.	2.4	11
38	Scale variation of postglacial sediment yield in Chilliwack Valley, British Columbia. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 229-243.	2.5	27
39	Salmon-driven bed load transport and bed morphology in mountain streams. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	88
40	SEDIMENT DISPERSION IN SALMON SPAWNING STREAMS: THE INFLUENCE OF FLOODS AND SALMON REDD CONSTRUCTION. <i>Journal of the American Water Resources Association</i> , 2004, 40, 1071-1086.	2.4	73
41	High resolution measurement of bedload transport. <i>Hydrological Processes</i> , 2000, 14, 2631-2643.	2.6	26