

Trevor B Hoey

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,463
citations

136950

32
h-index

138484

58
g-index

72
all docs

72
docs citations

72
times ranked

3103
citing authors

#	ARTICLE	IF	CITATIONS
1	Knickpoint recession rate and catchment area: the case of uplifted rivers in Eastern Scotland. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 767-778.	2.5	295
2	Numerical simulation of downstream fining by selective transport in gravel bed rivers: Model development and illustration. <i>Water Resources Research</i> , 1994, 30, 2251-2260.	4.2	261
3	Field evidence for rapid downstream fining of river gravels through selective transport. <i>Geology</i> , 1996, 24, 179.	4.4	181
4	Unequal Mobility of Gravel and Sand in Weakly Bimodal River Sediments. <i>Water Resources Research</i> , 1995, 31, 2087-2096.	4.2	135
5	Evaluating sub-pixel offset techniques as an alternative to D-InSAR for monitoring episodic landslide movements in vegetated terrain. <i>Remote Sensing of Environment</i> , 2014, 147, 133-144.	11.0	134
6	Channel morphology and bedload pulses in braided rivers: a laboratory study. <i>Earth Surface Processes and Landforms</i> , 1991, 16, 447-462.	2.5	126
7	Temporal variations in bedload transport rates and sediment storage in gravel-bed rivers. <i>Progress in Physical Geography</i> , 1992, 16, 319-338.	3.2	118
8	The Irrawaddy River Sediment Flux to the Indian Ocean: The Original Nineteenth-Century Data Revisited. <i>Journal of Geology</i> , 2007, 115, 629-640.	1.4	116
9	Mobility of river tracer pebbles over different timescales. <i>Water Resources Research</i> , 2002, 38, 3-1-3-8.	4.2	112
10	Tributary control of physical heterogeneity and biological diversity at river confluences. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 2553-2566.	1.4	110
11	Using advanced InSAR time series techniques to monitor landslide movements in Badong of the Three Gorges region, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 21, 253-264.	2.8	105
12	Critical shear stress for incipient motion of sand/gravel streambeds. <i>Water Resources Research</i> , 2001, 37, 2273-2283.	4.2	97
13	River system discontinuities due to lateral inputs: generic styles and controls. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 1149-1166.	2.5	87
14	Bed load transport in bedrock rivers: The role of sediment cover in grain entrainment, translation, and deposition. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	86
15	Identifying the controls over downstream fining of river gravels. <i>Journal of Sedimentary Research</i> , 1999, 69, 40-50.	1.6	84
16	A preliminary estimate of organic carbon transport by the Ayeyarwady (Irrawaddy) and Thanlwin (Salween) Rivers of Myanmar. <i>Quaternary International</i> , 2008, 186, 113-122.	1.5	74
17	Single-grain cosmogenic ^{21}Ne concentrations in fluvial sediments reveal spatially variable erosion rates. <i>Geology</i> , 2008, 36, 159.	4.4	72
18	The 2011 MW 6.8 Burma earthquake: fault constraints provided by multiple SAR techniques. <i>Geophysical Journal International</i> , 2013, 195, 650-660.	2.4	71

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19	The causes of bedload pulses in a gravel channel: the implications of bedload grain-size distributions. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 1411-1428.	2.5	68
20	Applications of Google Earth Engine in fluvial geomorphology for detecting river channel change. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e21496.	6.5	68
21	Controls of strength and rate of downstream fining above a river base level. <i>Water Resources Research</i> , 1997, 33, 2601-2608.	4.2	63
22	Basal sediment evacuation by subglacial meltwater: suspended sediment transport from Haut Glacier d'Arolla, Switzerland. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 867-883.	2.5	58
23	Ground Control Point Distribution for Accurate Kilometre-Scale Topographic Mapping Using an RTK-GNSS Unmanned Aerial Vehicle and SfM Photogrammetry. <i>Drones</i> , 2020, 4, 55.	4.9	58
24	Scale Dependence of Lithological Control on Topography: Bedrock Channel Geometry and Catchment Morphometry in Western Scotland. <i>Journal of Geology</i> , 2010, 118, 223-246.	1.4	54
25	Spatiotemporal characteristics of the Huangtupo landslide in the Three Gorges region (China) constrained by radar interferometry. <i>Geophysical Journal International</i> , 2014, 197, 213-232.	2.4	54
26	Geomorphic implications of subglacial drainage configuration: rates of basal sediment evacuation controlled by seasonal drainage system evolution. <i>Sedimentary Geology</i> , 2002, 149, 5-19.	2.1	51
27	Surface process models and the links between tectonics and topography. <i>Progress in Physical Geography</i> , 2006, 30, 307-333.	3.2	50
28	Seasonal evolution of runoff from Haut Glacier d'Arolla, Switzerland and implications for glacial geomorphic processes. <i>Journal of Hydrology</i> , 2005, 309, 133-148.	5.4	45
29	The spatial distribution of coarse surface grains and the stability of gravel river beds. <i>Sedimentology</i> , 2012, 59, 1014-1029.	3.1	42
30	Reconstructing Greenland ice sheet runoff using coralline algae. <i>Geology</i> , 2012, 40, 1095-1098.	4.4	39
31	A modified morphodynamic model for investigating the response of rivers to short-term climate change. <i>Geomorphology</i> , 2008, 101, 674-682.	2.6	38
32	Selective bedload transport during the degradation of a well sorted graded sediment bed. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2001, 39, 269-277.	1.7	36
33	Anatomy of Subsidence in Tianjin from Time Series InSAR. <i>Remote Sensing</i> , 2016, 8, 266.	4.0	33
34	Patterns and mechanisms of coseismic and postseismic slips of the 2011 M W 7.1 Van (Turkey) earthquake revealed by multi-platform synthetic aperture radar interferometry. <i>Tectonophysics</i> , 2014, 632, 188-198.	2.2	32
35	Quantitative determination of the activity of within-reach sediment storage in a small gravel-bed river using transit time and response time. <i>Geomorphology</i> , 1997, 20, 113-134.	2.6	31
36	Hydraulics are a first-order control on CO ₂ efflux from fluvial systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1912-1922.	3.0	30

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37	Upscaling from grain-scale processes to alluviation in bedrock channels using a cellular automaton model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	29
38	Land Subsidence over Oilfields in the Yellow River Delta. <i>Remote Sensing</i> , 2015, 7, 1540-1564.	4.0	29
39	National-scale assessment of decadal river migration at critical bridge infrastructure in the Philippines. <i>Science of the Total Environment</i> , 2021, 768, 144460.	8.0	22
40	Numerical modelling of climate change impacts on Saint-Lawrence River tributaries. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 1184-1198.	2.5	21
41	A Froude-scaled model of a bedrock-alluvial channel reach: 2. Sediment cover. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1597-1618.	2.8	20
42	Cosmogenic ²¹ Ne analysis of individual detrital grains: Opportunities and limitations. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 16-27.	2.5	19
43	Implications of climate change in the twenty-first century for simulated magnitude and frequency of bed-material transport in tributaries of the Saint-Lawrence River. <i>Hydrological Processes</i> , 2011, 25, 1558-1573.	2.6	19
44	Decadal-scale morphological adjustment of a lowland tropical river. <i>Geomorphology</i> , 2019, 333, 30-42.	2.6	19
45	Formation and erosion of sediment cover in an experimental bedrock-alluvial channel. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1409-1420.	2.5	18
46	A Froude-scaled model of a bedrock-alluvial channel reach: 1. Hydraulics. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1578-1596.	2.8	18
47	Calculating the Explicit Probability of Entrainment Based on Inertial Acceleration Measurements. <i>Journal of Hydraulic Engineering</i> , 2017, 143, 04016097.	1.5	17
48	Inertial drag and lift forces for coarse grains on rough alluvial beds measured using in-grain accelerometers. <i>Earth Surface Dynamics</i> , 2020, 8, 1067-1099.	2.4	14
49	Sensor Enclosures: Example Application and Implications for Data Coherence. <i>Journal of Sensor and Actuator Networks</i> , 2013, 2, 761-779.	3.9	10
50	Large-scale flood risk assessment under different development strategies: the Luanhe River Basin in China. <i>Sustainability Science</i> , 2022, 17, 1365-1384.	4.9	10
51	Slope Break and Avulsion Locations Scale Consistently in Global Deltas. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	10
52	Testing Numerical Models in Geomorphology: How can we Ensure Critical Use of Model Predictions?. <i>Geophysical Monograph Series</i> , 0, , 241-256.	0.1	9
53	Application of an Instrumented Tracer in an Abrasion Mill for Rock Abrasion Studies. <i>Strojnikski Vestnik/Journal of Mechanical Engineering</i> , 2012, 58, 263-270.	1.1	8
54	Spatiotemporal modeling of hydrological return levels: A quantile regression approach. <i>Environmetrics</i> , 2019, 30, e2522.	1.4	7

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55	Development of an SDG interlinkages analysis model at the river basin scale: a case study in the Luanhe River Basin, China. <i>Sustainability Science</i> , 2022, 17, 1405-1433.	4.9	7
56	A decision support tool for assessing risks to above-ground river pipeline crossings. <i>Water Management</i> , 2020, 173, 87-100.	1.2	4
57	A sedimentological record of fluvial-aeolian interactions and climate variability in the hyperarid northern Namib Desert, Namibia. <i>South African Journal of Geology</i> , 2021, 124, 575-610.	1.2	4
58	Landslide Susceptibility Mapping Using GIS-based Vector Grid File (VGF) Validating with InSAR Techniques: Three Gorges, Yangtze River (China). <i>AIMS Geosciences</i> , 2017, 3, 116-141.	1.0	4
59	River Management Issues in Scottish Rivers. <i>Water and Environment Journal</i> , 1998, 12, 60-65.	2.2	3
60	Chapter 12 The geomorphology and management of a dynamics, unstable gravel-bed river: the Feshie-Spey confluence, Scotland. <i>Developments in Earth Surface Processes</i> , 2005, , 213-224.	2.8	3
61	River Styles and stream power analysis reveal the diversity of fluvial morphology in a Philippine tropical catchment. <i>Geoscience Letters</i> , 2022, 9, .	3.3	2