Tristram C Hales

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3990274/publications.pdf

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32	1,892	361296	434063
papers	citations	20 h-index	31 g-index

45	45	45	1944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Earthquakeâ€induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts. Reviews of Geophysics, 2019, 57, 421-503.	9.0	505
2	Climatic controls on frost cracking and implications for the evolution of bedrock landscapes. Journal of Geophysical Research, 2007, 112, .	3.3	193
3	Topographic and ecologic controls on root reinforcement. Journal of Geophysical Research, 2009, 114, .	3.3	145
4	A lithospheric instability origin for Columbia River flood basalts and Wallowa Mountains uplift in northeast Oregon. Nature, 2005, 438, 842-845.	13.7	127
5	Spatio-temporal evolution of mass wasting after the 2008 Mw 7.9 Wenchuan earthquake revealed by a detailed multi-temporal inventory. Landslides, 2018, 15, 2325-2341.	2.7	102
6	Modelling the role of material depletion, grain coarsening and revegetation in debris flow occurrences after the 2008 Wenchuan earthquake. Engineering Geology, 2019, 250, 34-44.	2.9	81
7	Ecosystem processes at the watershed scale: Extending optimality theory from plot to catchment. Water Resources Research, 2009, 45, .	1.7	78
8	Frost for the trees: Did climate increase erosion in unglaciated landscapes during the late Pleistocene?. Science Advances, 2015, 1, e1500715.	4.7	70
9	Modification of river meandering by tropical deforestation. Geology, 2017, 45, 511-514.	2.0	66
10	Soil moisture causes dynamic adjustments to root reinforcement that reduce slope stability. Earth Surface Processes and Landforms, 2017, 42, 803-813.	1.2	56
11	The application of frameworks for measuring social vulnerability and resilience to geophysical hazards within developing countries: A systematic review and narrative synthesis. Science of the Total Environment, 2020, 711, 134486.	3.9	49
12	Colluvium supply in humid regions limits the frequency of storm-triggered landslides. Scientific Reports, 2016, 6, 34438.	1.6	46
13	Using soil residence time to delineate spatial and temporal patterns of transient landscape response. Journal of Geophysical Research, 2007, 112, .	3.3	43
14	Assessing the accuracy of simple field based root strength measurements. Plant and Soil, 2013, 372, 553-565.	1.8	37
15	Simulating vegetation controls on hurricaneâ€induced shallow landslides with a distributed ecohydrological model. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 361-378.	1.3	36
16	Identifying post-earthquake debris flow hazard using Massflow. Engineering Geology, 2019, 258, 105134.	2.9	31
17	Modelling soil erosion responses to climate change in three catchments of Great Britain. Science of the Total Environment, 2020, 749, 141657.	3.9	28
18	Shallow landslides and vegetation at the catchment scale: A perspective. Ecological Engineering, 2021, 173, 106436.	1.6	27

#	Article	IF	Citations
19	Vegetation-induced soil stabilization in coastal area: An example from a natural mangrove forest. Catena, 2022, 216, 106410.	2.2	26
20	Coseismic landslides induced by the 2018 Mw 6.6 Iburi, Japan, Earthquake: spatial distribution, key factors weight, and susceptibility regionalization. Landslides, 2021, 18, 755-772.	2.7	25
21	Modelling biomeâ€scale root reinforcement and slope stability. Earth Surface Processes and Landforms, 2018, 43, 2157-2166.	1.2	18
22	The Fate of Sediment After a Large Earthquake. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	14
23	A hybrid machine-learning model to estimate potential debris-flow volumes. Geomorphology, 2020, 367, 107333.	1.1	13
24	Controls on Zeroâ€Order Basin Morphology. Journal of Geophysical Research F: Earth Surface, 2018, 123, 3269.	1.0	10
25	Topographic and Groundâ€Ice Controls on Shallow Landsliding in Thawing Arctic Permafrost. Geophysical Research Letters, 2021, 48, e2020GL092264.	1.5	10
26	Measuring the grainâ€size distributions of mass movement deposits. Earth Surface Processes and Landforms, 2022, 47, 1599-1614.	1.2	10
27	Frequency and Magnitude of Selected Historical Landslide Events in the Southern Appalachian Highlands of North Carolina and Virginia: Relationships to Rainfall, Geological and Ecohydrological Controls, and Effects. Managing Forest Ecosystems, 2016, , 203-262.	0.4	9
28	Supervised classification of landforms in Arctic mountains. Permafrost and Periglacial Processes, 2019, 30, 131-145.	1.5	7
29	The impact of earthquakes on orogen-scale exhumation. Earth Surface Dynamics, 2020, 8, 579-593.	1.0	7
30	Ecosystem carbon stock loss after a mega earthquake. Catena, 2022, 216, 106393.	2.2	4
31	Can Riparian Forest Buffers Increase Yields From Oil Palm Plantations?. Earth's Future, 2018, 6, 1082-1096.	2.4	3
32	Multi-objective consideration of earthquake resilience in the built environment: The case of Wenchuan earthquake. , 2017, , .		2