

Martin D Hurst

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,189
citations

430874

18
h-index

526287

27
g-index

51
all docs

51
docs citations

51
times ranked

1184
citing authors

#	ARTICLE	IF	CITATIONS
1	Growing topography due to contrasting rock types in a tectonically dead landscape. <i>Earth Surface Dynamics</i> , 2021, 9, 167-181.	2.4	21
2	Impact of Changing Concavity Indices on Channel Steepness and Divide Migration Metrics. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF006060.	2.8	24
3	Multi-objective optimisation of a rock coast evolution model with cosmogenic ^{10}Be analysis for the quantification of long-term cliff retreat rates. <i>Earth Surface Dynamics</i> , 2021, 9, 1505-1529.	2.4	5
4	Erosion of rocky shore platforms by block detachment from layered stratigraphy. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 1028-1037.	2.5	23
5	Differences in channel and hillslope geometry record a migrating uplift wave at the Mendocino triple junction, California, USA. <i>Geology</i> , 2020, 48, 184-188.	4.4	18
6	Cosmogenic exposure dating reveals limited long-term variability in erosion of a rocky coastline. <i>Nature Communications</i> , 2020, 11, 3804.	12.8	19
7	Detection of channel-hillslope coupling along a tectonic gradient. <i>Earth and Planetary Science Letters</i> , 2019, 522, 30-39.	4.4	20
8	A segmentation approach for the reproducible extraction and quantification of knickpoints from river long profiles. <i>Earth Surface Dynamics</i> , 2019, 7, 211-230.	2.4	48
9	Development of an automatic delineation of cliff top and toe on very irregular planform coastlines (CliffMetrics v1.0). <i>Geoscientific Model Development</i> , 2018, 11, 4317-4337.	3.6	16
10	How concave are river channels?. <i>Earth Surface Dynamics</i> , 2018, 6, 505-523.	2.4	70
11	Controls on the distribution of cosmogenic ^{10}Be across shore platforms. <i>Earth Surface Dynamics</i> , 2017, 5, 67-84.	2.4	21
12	Geomorphometric delineation of floodplains and terraces from objectively defined topographic thresholds. <i>Earth Surface Dynamics</i> , 2017, 5, 369-385.	2.4	53
13	Coastal Modelling Environment version 1.0: a framework for integrating landform-specific component models in order to simulate decadal to centennial morphological changes on complex coasts. <i>Geoscientific Model Development</i> , 2017, 10, 2715-2740.	3.6	17
14	The CAIRN method: automated, reproducible calculation of catchment-averaged denudation rates from cosmogenic nuclide concentrations. <i>Earth Surface Dynamics</i> , 2016, 4, 655-674.	2.4	47
15	Complex coastlines responding to climate change: do shoreline shapes reflect present forcing or remember the distant past?. <i>Earth Surface Dynamics</i> , 2016, 4, 871-884.	2.4	15
16	A nondimensional framework for exploring the relief structure of landscapes. <i>Earth Surface Dynamics</i> , 2016, 4, 309-325.	2.4	37
17	Recent acceleration in coastal cliff retreat rates on the south coast of Great Britain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13336-13341.	7.1	90
18	How long is a hillslope?. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1039-1054.	2.5	52

#	ARTICLE	IF	CITATIONS
19	Exploring the sensitivities of crenulate bay shorelines to wave climates using a new vector-based one-line model. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 2586-2608.	2.8	50
20	Impact of change in erosion rate and landscape steepness on hillslope and fluvial sediments grain size in the Feather River basin (Sierra Nevada, California). <i>Earth Surface Dynamics</i> , 2015, 3, 201-222.	2.4	110
21	Objective extraction of channel heads from high-resolution topographic data. <i>Water Resources Research</i> , 2014, 50, 4283-4304.	4.2	123
22	Coastal vulnerability of a pinned, soft-cliff coastline, II: assessing the influence of sea walls on future morphology. <i>Earth Surface Dynamics</i> , 2014, 2, 233-242.	2.4	10
23	Hillslopes Record the Growth and Decay of Landscapes. <i>Science</i> , 2013, 341, 868-871.	12.6	62
24	Influence of lithology on hillslope morphology and response to tectonic forcing in the northern Sierra Nevada of California. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 832-851.	2.8	63
25	Controls on the magnitude-frequency scaling of an inventory of secular landslides. <i>Earth Surface Dynamics</i> , 2013, 1, 67-78.	2.4	32
26	Using hilltop curvature to derive the spatial distribution of erosion rates. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	131
27	â€œIn the critical departmentâ€™: refreshing the <i>Scottish Geographical Journal</i>. <i>Scottish Geographical Journal</i> , 0, , 1-15.	1.1	5