

John K Hillier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48 papers	916 citations	18 h-index	29 g-index
76 ext. papers	1,162 ext. citations	4.8 avg, IF	4.56 L-index

#	Paper	IF	Citations
48	GC Insights: Identifying conditions that sculpted bedforms [human insights to building an effective AI (artificial intelligence). <i>Geoscience Communication</i> , 2022 , 5, 11-15	0.7	0
47	Geovisualization 2021 ,		
46	Guidelines for Studying Diverse Types of Compound Weather and Climate Events. <i>Earth's Future</i> , 2021 , 9, e2021EF002340	7.9	6
45	The impact of ground-ice thaw on landslide geomorphology and dynamics: two case studies in northern Iceland. <i>Landslides</i> , 2021 , 18, 2785-2812	6.6	2
44	Seasonal impact-based mapping of compound hazards. <i>Environmental Research Letters</i> , 2020 , 15, 114013	3.2	3
43	Molards as an indicator of permafrost degradation and landslide processes. <i>Earth and Planetary Science Letters</i> , 2019 , 516, 136-147	5.3	11
42	Demystifying academics to enhance university-business collaborations in environmental science. <i>Geoscience Communication</i> , 2019 , 2, 1-23	0.7	4
41	Debris-flow release processes investigated through the analysis of multi-temporal LiDAR datasets in north-western Iceland. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 144-159	3.7	9
40	Intensity-duration-frequency curves at the global scale. <i>Environmental Research Letters</i> , 2019 , 14, 084045	3.2	25
39	Testing and application of a model for snow redistribution (Snow_Blow) in the Ellsworth Mountains, Antarctica. <i>Journal of Glaciology</i> , 2019 , 65, 957-970	3.4	7
38	Past and Projected Weather Pattern Persistence with Associated Multi-Hazards in the British Isles. <i>Atmosphere</i> , 2019 , 10, 577	2.7	2
37	Technical note: comparison of methods for threshold selection for extreme sea levels. <i>Journal of Flood Risk Management</i> , 2018 , 11, 127-140	3.1	7
36	Comparing threshold definition techniques for rainfall-induced landslides: A national assessment using radar rainfall. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 553-560	3.7	26
35	Production and preservation of the smallest drumlins. <i>Gff</i> , 2018 , 140, 136-152	0.9	5
34	The Perils in Brief 2017 , 187-296		
33	Extending natural hazard impacts: an assessment of landslide disruptions on a national road transportation network. <i>Environmental Research Letters</i> , 2017 , 12, 014010	6.2	35
32	The Dirty dozen [of freshwater science: detecting then reconciling hydrological data biases and errors. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017 , 4, e1209	5.7	31

31	Extreme multi-basin flooding linked with extra-tropical cyclones. <i>Environmental Research Letters</i> , 2017 , 12, 114009	6.2	20
30	The potential for the use of model fusion techniques in building and developing catastrophe models. <i>Geological Society Special Publication</i> , 2017 , 408, 89-99	1.7	1
29	Structural properties of mobile armors formed at different flow strengths in gravel-bed rivers. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016 , 121, 1494-1515	3.8	50
28	Exploring Explanations of Subglacial Bedform Sizes Using Statistical Models. <i>PLoS ONE</i> , 2016 , 11, e0159489	3.7	9
27	Frontiers in Geomorphometry and Earth Surface Dynamics: possibilities, limitations and perspectives. <i>Earth Surface Dynamics</i> , 2016 , 4, 721-725	3.8	22
26	Interactions between apparently primary weather-driven hazards and their cost. <i>Environmental Research Letters</i> , 2015 , 10, 104003	6.2	14
25	Perspective Synthetic DEMs: A vital underpinning for the quantitative future of landform analysis?. <i>Earth Surface Dynamics</i> , 2015 , 3, 587-598	3.8	9
24	Counting better? An examination of the impact of quantitative method teaching on statistical anxiety and confidence. <i>Active Learning in Higher Education</i> , 2015 , 16, 51-66	2.6	6
23	An ice-sheet scale comparison of eskers with modelled subglacial drainage routes. <i>Geomorphology</i> , 2015 , 246, 104-112	4.3	24
22	Manual mapping of drumlins in synthetic landscapes to assess operator effectiveness. <i>Journal of Maps</i> , 2015 , 11, 719-729	2.2	22
21	The application of componentised modelling techniques to catastrophe model generation. <i>Environmental Modelling and Software</i> , 2014 , 61, 65-77	5.2	5
20	Innovative analysis and use of high-resolution DTMs for quantitative interrogation of Earth-surface processes. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 1400-1403	3.7	17
19	Assessment of multiresolution segmentation for delimiting drumlins in digital elevation models. <i>Geomorphology</i> , 2014 , 214, 452-464	4.3	59
18	A Picture Is Worth 10,000 Words—A Module to Test the Visualization Hypothesis in Quantitative Methods Teaching. <i>Enhancing Learning in the Social Sciences</i> , 2014 , 6, 90-104		2
17	Testing techniques to quantify drumlin height and volume: synthetic DEMs as a diagnostic tool. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 676-688	3.7	9
16	Subglacial bedforms reveal an exponential size-frequency distribution. <i>Geomorphology</i> , 2013 , 190, 82-91	4.3	27
15	An integration to optimally constrain the thermal structure of oceanic lithosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 432-446	3.6	13
14	Testing 3D landform quantification methods with synthetic drumlins in a real digital elevation model. <i>Geomorphology</i> , 2012 , 153-154, 61-73	4.3	15

13	Submarine Geomorphology. <i>Developments in Earth Surface Processes</i> , 2011 , 359-375	2.8	6
12	Comment on "Mantle flow drives the subsidence of oceanic plates". <i>Science</i> , 2011 , 331, 1011; author reply 1011	33.3	3
11	Subducted seafloor relief stops rupture in South American great earthquakes: Implications for rupture behaviour in the 2010 Maule, Chile earthquake. <i>Earth and Planetary Science Letters</i> , 2010 , 298, 89-94	5.3	52
10	Subsidence of Normal Seafloor: Observations do indicate flattening. <i>Journal of Geophysical Research</i> , 2010 , 115,		18
9	Seamount detection and isolation with a modified wavelet transform. <i>Basin Research</i> , 2008 , 20, 555-573	3.2	18
8	Editorial Submarine geomorphology: new views on an 'Invisible' landscape. <i>Basin Research</i> , 2008 , 20, 467-472	3.2	5
7	Residual relief separation: digital elevation model enhancement for geomorphological mapping. <i>Earth Surface Processes and Landforms</i> , 2008 , 33, 2266-2276	3.7	49
6	Global distribution of seamounts from ship-track bathymetry data. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	76
5	Pacific seamount volcanism in space and time. <i>Geophysical Journal International</i> , 2007 , 168, 877-889	2.6	32
4	Monuments on a migrating Nile. <i>Journal of Archaeological Science</i> , 2007 , 34, 1011-1015	2.9	41
3	Relationship between depth and age in the North Pacific Ocean. <i>Journal of Geophysical Research</i> , 2005 , 110,		69
2	Plate-like Subsidence of the East Pacific Rise South Pacific superswell system. <i>Journal of Geophysical Research</i> , 2004 , 109,		32
1	Disaster Risk Finance in Developing Countries: An Overview With Particular Reference to Indonesia. <i>SSRN Electronic Journal</i> ,	1	1