

Mike J Kirkby

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.

87
papers

3,993
citations

35
h-index

63
g-index

107
ext. papers

4,494
ext. citations

5
avg, IF

5.33
L-index

#	Paper	IF	Citations
87	The impact of semi-natural broadleaf woodland and pasture on soil properties and flood discharge. <i>Hydrological Processes</i> , 2022 , 36, e14453	3.3	1
86	Following the curve? Reviewing the physical basis of the SCS curve number method for estimating storm runoff. <i>Hydrological Processes</i> , 2021 , 35, e14404	3.3	0
85	A history of TOPMODEL. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 527-549	5.5	14
84	Some examples of spurious correlation in the literature. <i>Hydrological Processes</i> , 2021 , 35, e14348	3.3	0
83	Desertification and development: Some broader contexts. <i>Journal of Arid Environments</i> , 2021 , 193, 104525	5.5	3
82	Seasonal vegetation and management influence overland flow velocity and roughness in upland grasslands. <i>Hydrological Processes</i> , 2020 , 34, 3777-3791	3.3	5
81	Spatial and temporal evaluation of soil erosion in Turkey under climate change scenarios using the Pan-European Soil Erosion Risk Assessment (PESERA) model. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 491	3.1	17
80	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
79	A conceptual model for physical and chemical soil profile evolution. <i>Geoderma</i> , 2018 , 331, 121-130	6.7	8
78	The effect of interactions between rainfall patterns and land-cover change on flood peaks in upland peatlands. <i>Journal of Hydrology</i> , 2018 , 567, 546-559	6	12
77	Modelling impacts of agricultural practice on flood peaks in upland catchments: An application of the distributed TOPMODEL. <i>Hydrological Processes</i> , 2017 , 31, 4206-4216	3.3	12
76	HP Volume to honor Keith Beven. <i>Hydrological Processes</i> , 2017 , 31, 3762-3764	3.3	
75	Water in the critical zone: soil, water and life from profile to planet. <i>Soil</i> , 2016 , 2, 631-645	5.8	5
74	The PESERA-DESMICE Modeling Framework for Spatial Assessment of the Physical Impact and Economic Viability of Land Degradation Mitigation Technologies. <i>Frontiers in Environmental Science</i> , 2016 , 4,	4.8	4
73	The impact of land-cover change on flood peaks in peatland basins. <i>Water Resources Research</i> , 2016 , 52, 3477-3492	5.4	31
72	World Soil Day and earth surface processes. <i>Earth Surface Processes and Landforms</i> , 2015 , 40, 138-139	3.7	3
71	A distributed TOPMODEL for modelling impacts of land-cover change on river flow in upland peatland catchments. <i>Hydrological Processes</i> , 2015 , 29, 2867-2879	3.3	15

70	Communicating geomorphology: global challenges for the twenty-first century. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 476-486	3.7	19
69	Reconstructing flash flood magnitudes using Structure-from-Motion: A rapid assessment tool. <i>Journal of Hydrology</i> , 2014 , 519, 1914-1927	6	72
68	Insights into biogeochemical cycling from a soil evolution model and long-term chronosequences. <i>Biogeosciences</i> , 2014 , 11, 6873-6894	4.6	3
67	The importance of surface controls on overland flow connectivity in semi-arid environments: results from a numerical experimental approach. <i>Hydrological Processes</i> , 2014 , 28, 2116-2128	3.3	55
66	Do not only connect: a model of infiltration-excess overland flow based on simulation. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 952-963	3.7	11
65	Quantifying the rate and depth dependence of bioturbation based on optically-stimulated luminescence (OSL) dates and meteoric ¹⁰ Be. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 1188-1196	3.7	67
64	Towards sustainable management of Mediterranean river basins: policy recommendations on management aspects of temporary streams. <i>Water Policy</i> , 2013 , 15, 830-849	1.6	52
63	Anticipating and Managing Future Trade-offs and Complementarities between Ecosystem Services. <i>Ecology and Society</i> , 2013 , 18,	4.1	59
62	Mitigating land degradation caused by wildfire: Application of the PESERA model to fire-affected sites in central Portugal. <i>Geoderma</i> , 2012 , 191, 40-50	6.7	46
61	Classifying low flow hydrological regimes at a regional scale. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 3741-3750	5.5	24
60	Comparison of scale and scaling issues in integrated land-use models for policy support. <i>Agriculture, Ecosystems and Environment</i> , 2011 , 142, 18-28	5.7	62
59	Distance, time and scale in soil erosion processes. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, 1621-1623	3.7	28
58	Evaluation of the PESERA model in two contrasting environments. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 629-640	3.7	25
57	Gully processes and gully dynamics. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 1841-1851	3.7	109
56	The future of the uplands. <i>Land Use Policy</i> , 2009 , 26, S204-S216	5.6	68
55	The PESERA coarse scale erosion model for Europe. I. Model rationale and implementation. <i>European Journal of Soil Science</i> , 2008 , 59, 1293-1306	3.4	162
54	Overland flow velocity and roughness properties in peatlands. <i>Water Resources Research</i> , 2008 , 44,	5.4	67
53	Environmental change in moorland landscapes. <i>Earth-Science Reviews</i> , 2007 , 82, 75-100	10.2	201

52	Pan-European Soil Erosion Assessment and Maps 2006 , 659-674		1
51	Impacts of Environmental Changes on Soil Erosion Across Europe 2006 , 729-742		
50	Differences in hillslope runoff and sediment transport rates within two semi-arid catchments in southeast Spain. <i>Geomorphology</i> , 2005 , 68, 183-200	4.3	48
49	The influence of rainfall distribution and morphological factors on runoff delivery from dryland catchments in SE Spain. <i>Catena</i> , 2005 , 62, 136-156	5.8	48
48	Organization and Process 2005 ,		3
47	An evaluation of the pesera soil erosion model and its application to a case study in Zakynthos, Greece. <i>Soil Use and Management</i> , 2005 , 21, 377-385	3.1	27
46	A network-index-based version of TOPMODEL for use with high-resolution digital topographic data. <i>Hydrological Processes</i> , 2004 , 18, 191-201	3.3	125
45	Indicators for pan-European assessment and monitoring of soil erosion by water. <i>Environmental Science and Policy</i> , 2004 , 7, 25-38	6.2	128
44	Observed and modelled distributions of channel and gully heads with examples from SE Spain and Belgium. <i>Catena</i> , 2003 , 50, 415-434	5.8	49
43	A cellular model of Holocene upland river basin and alluvial fan evolution. <i>Earth Surface Processes and Landforms</i> , 2002 , 27, 269-288	3.7	238
42	The influence of land use, soils and topography on the delivery of hillslope runoff to channels in SE Spain. <i>Earth Surface Processes and Landforms</i> , 2002 , 27, 1459-1473	3.7	107
41	Modelling the interactions between soil surface properties and water erosion. <i>Catena</i> , 2002 , 46, 89-102	5.8	65
40	Causal processes of soil salinization in Tunisia, Spain and Hungary. <i>Land Degradation and Development</i> , 2001 , 12, 163-181	4.4	49
39	Editorial Report for 2001. <i>Earth Surface Processes and Landforms</i> , 2001 , 26, 1365-1366	3.7	
38	Editorial Report for 2000. <i>Earth Surface Processes and Landforms</i> , 2000 , 25, 1385-1386	3.7	
37	The development of land quality indicators for soil degradation by water erosion. <i>Agriculture, Ecosystems and Environment</i> , 2000 , 81, 125-135	5.7	49
36	The impact of rainstorms on floods in ephemeral channels in southeast Spain. <i>Catena</i> , 2000 , 38, 191-209	5.8	84
35	Some factors controlling gully growth in fine-grained sediments: a model applied in southeast Spain. <i>Catena</i> , 2000 , 40, 127-146	5.8	41

34	Editorial report for 1999. <i>Earth Surface Processes and Landforms</i> , 1999 , 24, 1171-1172	3.7	
33	MEDRUSH and the Catsop basin—the lessons learned. <i>Catena</i> , 1999 , 37, 495-506	5.8	12
32	Editorial report for 1998 1998 , 23, 1055-1056		
31	Sediment supply and climate change: implications for basin stratigraphy. <i>Basin Research</i> , 1998 , 10, 7-18	3.2	166
30	MEDALUS soil erosion models for global change. <i>Geomorphology</i> , 1998 , 24, 35-49	4.3	63
29	Modelling Across Scales: The Medalus Family of Models 1998 , 161-173		16
28	Evaluation of Plot Runoff and Erosion Forecasts Using the CSEP and MEDRUSH Models 1998 , 33-42		2
27	Gully processes and modelling. <i>Progress in Physical Geography</i> , 1997 , 21, 354-374	3.5	127
26	TOPMODEL: A personal view. <i>Hydrological Processes</i> , 1997 , 11, 1087-1097	3.3	53
25	Sediment slugs: large-scale fluctuations in fluvial sediment transport rates and storage volumes. <i>Progress in Physical Geography</i> , 1995 , 19, 500-519	3.5	132
24	Modelling the links between vegetation and landforms. <i>Geomorphology</i> , 1995 , 13, 319-335	4.3	52
23	A climatic index for soil erosion potential (CSEP) including seasonal and vegetation factors. <i>Catena</i> , 1995 , 25, 333-352	5.8	73
22	A Model for Variations in Gelifluction Rates with Temperature and Topography: Implications for Global Change. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1995 , 77, 269-278	1.1	8
21	Modelling the growth of cyanobacteria (GrowSCUM). <i>Hydrological Processes</i> , 1995 , 9, 809-820	3.3	5
20	Modelling the links between vegetation and landforms 1995 , 319-335		4
19	Editorial report. <i>Earth Surface Processes and Landforms</i> , 1994 , 19, 679-680	3.7	
18	Editorial report. <i>Earth Surface Processes and Landforms</i> , 1992 , 17, 737-738	3.7	
17	Hillslope erosion by rainstorms—magnitude-frequency analysis. <i>Earth Surface Processes and Landforms</i> , 1991 , 16, 399-409	3.7	34

16	Editorial report. <i>Earth Surface Processes and Landforms</i> , 1991 , 16, 687-687	3.7	1
15	Editorial report. <i>Earth Surface Processes and Landforms</i> , 1990 , 15, 685-686	3.7	
14	A model to estimate the impact of climatic change on hillslope and regolith form. <i>Catena</i> , 1989 , 16, 321-341	3.4	19
13	Hillslope runoff processes and models. <i>Journal of Hydrology</i> , 1988 , 100, 315-339	6	137
12	The use of simulation models in teaching geomorphology and hydrology. <i>Journal of Geography in Higher Education</i> , 1988 , 12, 31-49	1.6	4
11	The hurst effect and its implications for extrapolating process rates. <i>Earth Surface Processes and Landforms</i> , 1987 , 12, 57-67	3.7	19
10	A Runoff Simulation Model Based on Hillslope Topography. <i>Water Science and Technology Library</i> , 1986 , 39-56	0.3	18
9	Ion-exchange resin samplers for the in situ measurement of major cations in soilwater solute flux. <i>Journal of Hydrology</i> , 1985 , 80, 325-335	6	9
8	Testing a physically-based flood forecasting model (TOPMODEL) for three U.K. catchments. <i>Journal of Hydrology</i> , 1984 , 69, 119-143	6	342
7	A Process Based Model of Faecal Bacterial Levels in Upland Catchments. <i>Water Science and Technology</i> , 1984 , 16, 453-462	2.2	21
6	The continuity equation slope model and basal boundary conditions: A further comment. <i>Earth Surface Processes and Landforms</i> , 1983 , 8, 287-288	3.7	1
5	Farming Systems and Political Growth in Ancient Oaxaca: Physiographic features and water-control techniques contributed to the rise of Zapotec Indian civilization. <i>Science</i> , 1967 , 158, 445-54	33.3	73
4	Insights into biogeochemical cycling from a soil evolution model and long-term chronosequences		1
3	John Thornes and desertification research in Europe 317-326		3
2	Hillslope Form and Process: History 1960-2000+. <i>Geological Society Memoir</i> , M58-2021-8	0.4	4
1	Upland grassland management influences organo-mineral soil properties and their hydrological function. <i>Ecohydrology</i> , e2336	2.5	0