

John Wainwright

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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.

110
papers

3,721
citations

34
h-index

59
g-index

116
ext. papers

4,144
ext. citations

4.1
avg. IF

5.4
L-index

#	Paper	IF	Citations
110	Sediment connectivity: a framework for understanding sediment transfer at multiple scales. <i>Earth Surface Processes and Landforms</i> , 2015 , 40, 177-188	3.7	270
109	Plot-scale studies of vegetation, overland flow and erosion interactions: case studies from Arizona and New Mexico. <i>Hydrological Processes</i> , 2000 , 14, 2921-2943	3.3	226
108	Linking environmental regimes, space and time: Interpretations of structural and functional connectivity. <i>Geomorphology</i> , 2011 , 126, 387-404	4.3	216
107	Scale relationships in hillslope runoff and erosion. <i>Earth Surface Processes and Landforms</i> , 2006 , 31, 1384-1393	3.7	187
106	The geomorphology of the Anthropocene: emergence, status and implications. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 71-90	3.7	140
105	Is sediment delivery a fallacy?. <i>Earth Surface Processes and Landforms</i> , 2006 , 31, 1325-1328	3.7	125
104	Connectivity in dryland landscapes: shifting concepts of spatial interactions. <i>Frontiers in Ecology and the Environment</i> , 2015 , 13, 20-27	5.5	124
103	Nutrient losses in runoff from grassland and shrubland habitats in Southern New Mexico: I. rainfall simulation experiments. <i>Biogeochemistry</i> , 1999 , 45, 21-34	3.8	122
102	Hydrological connectivity: Linking concepts with practical implications. <i>Catena</i> , 2009 , 79, 146-152	5.8	113
101	The effect of temporal variations in rainfall on scale dependency in runoff coefficients. <i>Water Resources Research</i> , 2002 , 38, 7-17-10	5.4	112
100	Comparison of slope estimates from low resolution DEMs: scaling issues and a fractal method for their solution. <i>Earth Surface Processes and Landforms</i> , 1999 , 24, 763-779	3.7	103
99	Soil detachment and transport on field- and laboratory-scale interrill areas: erosion processes and the size-selectivity of eroded sediment. <i>Earth Surface Processes and Landforms</i> , 2006 , 31, 929-939	3.7	101
98	A conceptual model for determining soil erosion by water. <i>Earth Surface Processes and Landforms</i> , 2004 , 29, 1293-1302	3.7	91
97	A transport-distance approach to scaling erosion rates: 1. Background and model development. <i>Earth Surface Processes and Landforms</i> , 2008 , 33, 813-826	3.7	78
96	The Anthropocene: is there a geomorphological case?. <i>Earth Surface Processes and Landforms</i> , 2013 , 38, 431-434	3.7	67
95	Geomorphological equilibrium: myth and metaphor?. <i>Transactions of the Institute of British Geographers</i> , 2006 , 31, 167-178	2.5	66
94	Impact of connectivity on the modeling of overland flow within semiarid shrubland environments. <i>Water Resources Research</i> , 2007 , 43,	5.4	65

93	Modelling the effects of hillslope-channel coupling on catchment hydrological response. <i>Earth Surface Processes and Landforms</i> , 2002 , 27, 1441-1457	3.7	64
92	An automated salt-tracing gauge for flow-velocity measurement. <i>Earth Surface Processes and Landforms</i> , 2005 , 30, 833-844	3.7	64
91	Invasion of shrublands by exotic grasses: ecohydrological consequences in cold versus warm deserts. <i>Ecohydrology</i> , 2012 , 5, 160-173	2.5	61
90	Vegetation controls on small-scale runoff and erosion dynamics in a degrading dryland environment. <i>Hydrological Processes</i> , 2009 , 23, 1617-1630	3.3	59
89	Distributed dynamic modelling of interrill overland flow. <i>Hydrological Processes</i> , 1997 , 11, 1833-1859	3.3	55
88	Biotic and Abiotic Changes in Ecosystem Structure over a Shrub-Encroachment Gradient in the Southwestern USA. <i>Ecosystems</i> , 2010 , 13, 1239-1255	3.9	49
87	Can modelling enable us to understand the role of humans in landscape evolution?. <i>Geoforum</i> , 2008 , 39, 659-674	2.9	49
86	Tracing sediment movement in interrill overland flow on a semi-arid grassland hillslope using magnetic susceptibility. <i>Earth Surface Processes and Landforms</i> , 1993 , 18, 721-732	3.7	47
85	A simulation study of the role of raindrop erosion in the formation of desert pavements. <i>Earth Surface Processes and Landforms</i> , 1995 , 20, 277-291	3.7	41
84	Overland flow resistances on varying slope gradients and partitioning on grassed slopes under simulated rainfall. <i>Water Resources Research</i> , 2016 , 52, 2490-2512	5.4	40
83	The concept of transport capacity in geomorphology. <i>Reviews of Geophysics</i> , 2015 , 53, 1155-1202	23.1	39
82	Experimental investigation into the impact of a liquid droplet onto a granular bed using three-dimensional, time-resolved, particle tracking. <i>Physical Review E</i> , 2014 , 89, 032201	2.4	39
81	A transport-distance approach to scaling erosion rates: 3. Evaluating scaling characteristics of Mahleran. <i>Earth Surface Processes and Landforms</i> , 2008 , 33, 1113-1128	3.7	39
80	Scaling land surface parameters for global-scale soil erosion estimation. <i>Water Resources Research</i> , 2002 , 38, 19-1-19-9	5.4	38
79	A transport-distance approach to scaling erosion rates: 2. sensitivity and evaluation of Mahleran. <i>Earth Surface Processes and Landforms</i> , 2008 , 33, 962-984	3.7	35
78	Degrees of separation: Hillslope-channel coupling and the limits of palaeohydrological reconstruction. <i>Catena</i> , 2006 , 66, 93-106	5.8	35
77	Field and computer simulation experiments on the formation of desert pavement. <i>Earth Surface Processes and Landforms</i> , 1999 , 24, 1025-1037	3.7	35
76	Upscaling understanding of nitrogen dynamics associated with overland flow in a semi-arid environment. <i>Biogeochemistry</i> , 2007 , 82, 265-278	3.8	32

75	Disposition of rainwater under creosotebush. <i>Hydrological Processes</i> , 2003 , 17, 2555-2566	3.3	32
74	Nutrient losses in runoff from grassland and shrubland habitats in Southern New Mexico: I. rainfall simulation experiments. <i>Biogeochemistry</i> , 1999 , 45, 21-34	3.8	32
73	Making connections: changing sediment sources and sinks in an upland catchment. <i>Earth Surface Processes and Landforms</i> , 2011 , 36, 1090-1104	3.7	29
72	Palaeoenvironmental reconstruction of the alluvial landscape of Neolithic <i>Atalaya</i> , central southern Turkey: The implications for early agriculture and responses to environmental change. <i>Journal of Archaeological Science</i> , 2017 , 87, 30-43	2.9	28
71	Depth distribution of interrill overland flow and the formation of rills. <i>Hydrological Processes</i> , 2006 , 20, 1511-1523	3.3	26
70	Nitrogen and phosphorus dynamics during runoff events over a transition from grassland to shrubland in the south-western United States. <i>Hydrological Processes</i> , 2011 , 25, 1-17	3.3	25
69	Streambed scour and fill in low-order dryland channels. <i>Water Resources Research</i> , 2005 , 41,	5.4	25
68	Seed-bank structure and plant-recruitment conditions regulate the dynamics of a grassland-shrubland Chihuahuan ecotone. <i>Ecology</i> , 2016 , 97, 2303-2318	4.6	24
67	Changes in hydrology and erosion over a transition from grassland to shrubland. <i>Hydrological Processes</i> , 2009 , 24, n/a-n/a	3.3	24
66	Is sediment delivery a fallacy? Reply. <i>Earth Surface Processes and Landforms</i> , 2008 , 33, 1630-1631	3.7	23
65	What do models tell us about water and sediment connectivity?. <i>Geomorphology</i> , 2020 , 367, 107300	4.3	22
64	What is suspended sediment?. <i>Earth Surface Processes and Landforms</i> , 2015 , 40, 1417-1420	3.7	22
63	Soil Erosion and Conservation 365-378		21
62	Multispectral Contrast of Archaeological Features: A Quantitative Evaluation. <i>Remote Sensing</i> , 2019 , 11, 913	5	19
61	Transmission losses in rills on dryland hillslopes. <i>Hydrological Processes</i> , 1999 , 13, 2897-2905	3.3	18
60	Erosion of archaeological sites: Results and implications of a site simulation model. <i>Geoarchaeology - an International Journal</i> , 1994 , 9, 173-201	1.4	18
59	Particle selectivity of sediment deposited over grass barriers and the effect of rainfall. <i>Water Resources Research</i> , 2016 , 52, 7963-7979	5.4	16
58	A new approach for simulating the redistribution of soil particles by water erosion: A marker-in-cell model. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		15

57	Linking runoff and erosion dynamics to nutrient fluxes in a degrading dryland landscape. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		15
56	Modelling and Model Building 2013 , 7-26		15
55	A new framework for integrated, holistic, and transparent evaluation of inter-basin water transfer schemes. <i>Science of the Total Environment</i> , 2020 , 721, 137646	10.2	14
54	Better models are more effectively connected models. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 1355-1360	3.7	13
53	Communicating risks to infrastructure due to soil erosion: A bottom-up approach. <i>Land Degradation and Development</i> , 2018 , 29, 1282-1294	4.4	11
52	Drift-dependent changes in iceberg size-frequency distributions. <i>Scientific Reports</i> , 2017 , 7, 15991	4.9	11
51	Spatial patterns of scour and fill in dryland sand bed streams. <i>Water Resources Research</i> , 2006 , 42,	5.4	11
50	Forest-Management Modelling 379-398		11
49	Using sediment travel distance to estimate medium-term erosion rates: a 16-year record. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, 1694-1700	3.7	10
48	The fate of suspended sediment and particulate organic carbon in transit through the channels of a river catchment. <i>Hydrological Processes</i> , 2018 , 32, 146-159	3.3	10
47	Operational European Flood Forecasting 415-434		10
46	Assessing Model Adequacy 435-449		10
45	Runoff Generation, Overland Flow and Erosion on Hillslopes 2011 , 235-267		9
44	Internal testing of a numerical model of hillslope-channel coupling using laboratory flume experiments. <i>Hydrological Processes</i> , 2008 , 22, 2274-2291	3.3	9
43	Standing proud: a response to soil-erosion models: where do we really stand? by Smith et al.. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, 1349-1356	3.7	8
42	The Seasonality of Wetland and Riparian Taskscapes at Etahlyk. <i>Near Eastern Archaeology</i> , 2020 , 83, 98-109	0.5	7
41	Teleconnections and environmental determinism: Was there really a climate-driven collapse at Late Neolithic Etahlyk?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3343-3344	11.5	7
40	Applying Pattern Oriented Sampling in current fieldwork practice to enable more effective model evaluation in fluvial landscape evolution research. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 2964-2980	3.7	7

39	Response to Hairsine's and Sander's Comment on A transport-distance based approach to scaling erosion rates—Parts 1, 2 and 3 by Wainwright et al. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 886-890	3.7	6
38	Mind, the gap in landscape-evolution modelling. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, n/a-n/a	3.7	6
37	Stochastic versus Deterministic Approaches 133-149		6
36	Modelling Landscape Evolution 2013 , 309-331		5
35	Spatial Modelling and Scaling Issues 2013 , 69-90		5
34	Earth-System Science 2009 , 143-167		5
33	Scale relationships in hillslope runoff and erosion Reply. <i>Earth Surface Processes and Landforms</i> , 2008 , 33, 1637-1638	3.7	5
32	Finding Simplicity in Complexity in Biogeochemical Modelling 2013 , 277-289		4
31	Spatial variability of soil and nutrient characteristics of semi-arid grasslands and shrublands, Jornada Basin, New Mexico. <i>Ecohydrology</i> , 2007 , 1, 3	2.5	4
30	Italy and Its Landscapes. <i>Near Eastern Archaeology</i> , 2020 , 83, 88-97	0.5	4
29	Virtual velocity of sand transport in water. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 755-761	3.7	3
28	The use of RFID in soil-erosion research. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, n/a-n/a	3.7	2
27	Non-Linear Dynamics, Self-Organization and Cellular Automata Models 2013 , 45-67		2
26	Environmental Applications of Computational Fluid Dynamics 2013 , 91-109		2
25	Response to Kinnell's Comment on A transport-distance approach to scaling erosion rates: III. Evaluating scaling characteristics of Mahleran <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 1320-1327	3.7	2
24	Climate and Climate-System Modelling 151-164		2
23	Comparison of slope estimates from low resolution DEMs: scaling issues and a fractal method for their solution 1999 , 24, 763		2
22	Modelling Plant Ecology 207-220		2

21	Representing Human Decision-Making in Environmental Modelling291-307		2
20	Toward understanding complexity of sediment dynamics in geomorphic systems. <i>Geomorphology</i> , 2019 , 330, 129-132	4.3	1
19	Perceptions of desert landscape: a case study in southern New Mexico. <i>Area</i> , 2013 , 45, 459-468	1.7	1
18	Time Series: Analysis and Modelling 2013 , 27-43		1
17	Slope Systems 2011 , 209-233		1
16	Erosion and Sediment Transport: Finding Simplicity in a Complicated Erosion Model253-266		1
15	The problem of underpowered rivers. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 3869-3878	3.7	1
14	Holistic approaches to palaeohydrology: Reconstructing and modelling the Neolithic River Bramba and the riverscape of Atalaya, Turkey. <i>Holocene</i> ,095968362110417	2.6	1
13	Soil and Hillslope (Eco)Hydrology165-181		1
12	Modelling Catchment and Fluvial Processes and their Interactions183-205		1
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9	Stability and instability in Mediterranean landscapes99-120		1
8	Two classes of functional connectivity in dynamical processes in networks. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210486	4.1	0
7	Models in Policy Formulation and Assessment: The WadBOS Decision-Support System349-364		0
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5	Pointers for the Future451-464		
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