

Stuart N. Lane

List of Publications by Year in descending order

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Version: 2024-02-01

274
papers

15,142
citations

13098

68
h-index

25787

108
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337
all docs

337
docs citations

337
times ranked

10275
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial 2022: Quality not quantity. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 3-4.	2.5	2
2	Restoring morphodynamics downstream from Alpine dams: Development of a geomorphological version of the serial discontinuity concept. <i>Geomorphology</i> , 2022, 402, 108131.	2.6	2
3	Hydrological Drivers of Bedload Transport in an Alpine Watershed. <i>Water Resources Research</i> , 2022, 58, .	4.2	9
4	High Mountain Asia hydropower systems threatened by climate-driven landscape instability. <i>Nature Geoscience</i> , 2022, 15, 520-530.	12.9	73
5	Centimeter-scale mapping of phototrophic biofilms in glacial forefields using visible band ratios and UAV imagery. <i>International Journal of Remote Sensing</i> , 2022, 43, 4723-4757.	2.9	7
6	Editorial: Equality, diversity and the challenges for ESPL. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 3-4.	2.5	5
7	Climate Change Impacts on Sediment Yield and Debrisâ€Flow Activity in an Alpine Catchment. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, .	2.8	39
8	Sediment yield over glacial cycles: A conceptual model. <i>Progress in Physical Geography</i> , 2021, 45, 842-865.	3.2	19
9	Quantifying the spatial distribution of sediment transport in an experimental gully system using the morphological method. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1188-1208.	2.5	11
10	Characterization of subglacial marginal channels using 3-D analysis of high-density ground-penetrating radar data. <i>Journal of Glaciology</i> , 2021, 67, 759-772.	2.2	14
11	Regimes of primary production and their drivers in Alpine streams. <i>Freshwater Biology</i> , 2021, 66, 1449-1463.	2.4	15
12	Dam builders and their works: Beaver influences on the structure and function of river corridor hydrology, geomorphology, biogeochemistry and ecosystems. <i>Earth-Science Reviews</i> , 2021, 218, 103623.	9.1	69
13	Daily entropy of dissolved oxygen reveals different energetic regimes and drivers among highâ€mountain stream types. <i>Limnology and Oceanography</i> , 2021, 66, 1594-1610.	3.1	7
14	Subglacial Channels, Climate Warming, and Increasing Frequency of Alpine Glacier Snout Collapse. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096031.	4.0	13
15	Downscaling Images with Trends Using Multiple-Point Statistics Simulation: An Application to Digital Elevation Models. <i>Mathematical Geosciences</i> , 2020, 52, 145-187.	2.4	11
16	Editorial 2020 Part II: Data from nowhere?. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 5-10.	2.5	4
17	Changes in sediment connectivity following glacial debuttressing in an Alpine valley system. <i>Geomorphology</i> , 2020, 352, 106987.	2.6	33
18	Influence of Dunes on Channelâ€Scale Flow and Sediment Transport in a Sand Bed Braided River. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005571.	2.8	10

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19	Combining UAV-Based SfM-MVS Photogrammetry with Conventional Monitoring to Set Environmental Flows: Modifying Dam Flushing Flows to Improve Alpine Stream Habitat. <i>Remote Sensing</i> , 2020, 12, 3868.	4.0	13
20	A Numerical Study of the Influence of Channel-Scale Secondary Circulation on Mixing Processes Downstream of River Junctions. <i>Water (Switzerland)</i> , 2020, 12, 2969.	2.7	15
21	Disruption of emergency response to vulnerable populations during floods. <i>Nature Sustainability</i> , 2020, 3, 728-736.	23.7	42
22	Editorial 2020 Part I: A Tribute to Fiona Kirkby. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3-4.	2.5	0
23	Mitigating systematic error in topographic models for geomorphic change detection: accuracy, precision and considerations beyond off-nadir imagery. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 2251-2271.	2.5	67
24	Connectivity as an emergent property of geomorphic systems. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 4-26.	2.5	233
25	The sediment budget and dynamics of a delta-canyon-lobe system over the Anthropocene timescale: The Rhone River delta, Lake Geneva (Switzerland/France). <i>Sedimentology</i> , 2019, 66, 838-858.	3.1	19
26	Disentangling human impact from natural controls of sediment dynamics in an Alpine catchment. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2885-2902.	2.5	7
27	Alpine Glacier Shrinkage Drives Shift in Dissolved Organic Carbon Export From Quasi-Chemostasis to Transport Limitation. <i>Geophysical Research Letters</i> , 2019, 46, 8872-8881.	4.0	29
28	Making stratigraphy in the Anthropocene: climate change impacts and economic conditions controlling the supply of sediment to Lake Geneva. <i>Scientific Reports</i> , 2019, 9, 8904.	3.3	28
29	Ecosystem engineers: Biofilms and the ontogeny of glacier floodplain ecosystems. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1390.	6.5	18
30	Hydropower Flushing Events Cause Severe Loss of Macrozoobenthos in Alpine Streams. <i>Water Resources Research</i> , 2019, 55, 10056-10081.	4.2	12
31	Evaluation of aDcp processing options for secondary flow identification at river junctions. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2903-2921.	2.5	11
32	Sub-basin and temporal variability of macroinvertebrate assemblages in Alpine streams: when and where to sample?. <i>Hydrobiologia</i> , 2019, 830, 179-200.	2.0	12
33	A framework for using small Unmanned Aircraft Systems (sUASs) and SfM photogrammetry to detect salmonid redds. <i>Ecological Informatics</i> , 2019, 53, 100976.	5.2	13
34	Climate-driven change in the water sourced by trees in a deglaciating proglacial forefield, Torres del Paine, Chile. <i>Ecohydrology</i> , 2019, 12, e2133.	2.4	2
35	Morphological Response of an Alpine Braided Reach to Sediment-laden Flow Events. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 1310-1328.	2.8	27
36	Revisiting the morphological method in two dimensions to quantify bed-material transport in braided rivers. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2251-2267.	2.5	23

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37	Guidelines on the use of structure-from-motion photogrammetry in geomorphic research. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2081-2084.	2.5	178
38	Decadal-scale Climate Forcing of Alpine Glacial Hydrological Systems. <i>Water Resources Research</i> , 2019, 55, 2478-2492.	4.2	32
39	Comparison of remote sensing based approaches for mapping bathymetry of shallow, clear water rivers. <i>Geomorphology</i> , 2019, 333, 180-197.	2.6	88
40	Professor Jim Chandler. <i>Photogrammetric Record</i> , 2019, 34, 467-480.	0.4	0
41	Subglacial sediment production and snout marginal ice uplift during the late ablation season of a temperate valley glacier. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1117-1136.	2.5	19
42	Biogeomorphic feedbacks and the ecosystem engineering of recently deglaciated terrain. <i>Progress in Physical Geography</i> , 2019, 43, 24-45.	3.2	29
43	Quantification of bedform dynamics and bedload sediment flux in sandy braided rivers from airborne and satellite imagery. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 953-972.	2.5	24
44	Editorial 2019: Is patience a virtue we are progressively losing?. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 3-3.	2.5	0
45	Summer is in winter: Disturbance-driven shifts in macroinvertebrate communities following hydroelectric power exploitation. <i>Science of the Total Environment</i> , 2019, 650, 2164-2180.	8.0	19
46	Invalidation of Models and Fitness-for-Purpose: A Rejectionist Approach. <i>Simulation Foundations, Methods and Applications</i> , 2019, , 145-171.	0.1	17
47	Critical physical geography. <i>Geography</i> , 2019, 104, 49-53.	0.6	6
48	Influence of Hydrodynamic Regimes on Mixing of Waters of Confluent Rivers. <i>Journal of Applied Mechanics and Technical Physics</i> , 2019, 60, 1220-1227.	0.5	7
49	Towards a Genealogy of Critical Physical Geography. , 2018, , 23-47.		5
50	Combined Flow Abstraction and Climate Change Impacts on an Aggrading Alpine River. <i>Water Resources Research</i> , 2018, 54, 223-242.	4.2	20
51	Reduced sediment supply in a fast eroding landscape? A multi-proxy sediment budget of the upper Rhône basin, Central Alps. <i>Sedimentary Geology</i> , 2018, 375, 105-119.	2.1	31
52	Biotic drivers of river and floodplain geomorphology – New molecular methods for assessing present-day and past biota. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 333-338.	2.5	7
53	Editorial 2018. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 3-3.	2.5	0
54	Modeling Macroroughness Contribution to Fish Habitat Suitability Curves. <i>Water Resources Research</i> , 2018, 54, 9306-9320.	4.2	12

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55	Introducing Critical Physical Geography. , 2018, , 3-21.		26
56	Temperature signal in suspended sediment export from an Alpine catchment. Hydrology and Earth System Sciences, 2018, 22, 509-528.	4.9	47
57	Influence of hydrodynamic regimes on mixing of waters of confluent rivers. Computational Continuum Mechanics, 2018, 11, 354-361.	0.5	3
58	Sediment export, transient landscape response and catchment-scale connectivity following rapid climate warming and Alpine glacier recession. Geomorphology, 2017, 277, 210-227.	2.6	168
59	Natural flood management. Wiley Interdisciplinary Reviews: Water, 2017, 4, e1211.	6.5	129
60	Does the canopy mixing layer model apply to highly flexible aquatic vegetation? Insights from numerical modelling. Environmental Fluid Mechanics, 2017, 17, 277-301.	1.6	25
61	Geomorphological activity at a rock glacier front detected with a 3D density-based clustering algorithm. Geomorphology, 2017, 278, 287-297.	2.6	22
62	Slow science, the geographical expedition, and Critical Physical Geography. Canadian Geographer / Geographie Canadien, 2017, 61, 84-101.	1.5	44
63	Reflections on the IPCC and global change science: Time for a more (physical) geographical tradition. Canadian Geographer / Geographie Canadien, 2017, 61, 124-135.	1.5	13
64	Stormy geomorphology: geomorphic contributions in an age of climate extremes. Earth Surface Processes and Landforms, 2017, 42, 166-190.	2.5	94
65	Stormy geomorphology: an introduction to the Special Issue. Earth Surface Processes and Landforms, 2017, 42, 238-241.	2.5	6
66	Editorial 2017: respond, don't rebut. Earth Surface Processes and Landforms, 2017, 42, 3-4.	2.5	1
67	Archival photogrammetric analysis of riverâ€floodplain systems using Structure from Motion (SfM) methods. Earth Surface Processes and Landforms, 2017, 42, 1274-1286.	2.5	81
68	Patchâ€scale representation of vegetation within hydraulic models. Earth Surface Processes and Landforms, 2017, 42, 699-710.	2.5	29
69	Water yield and sediment export in small, partially glaciated Alpine watersheds in a warming climate. Water Resources Research, 2016, 52, 4924-4943.	4.2	68
70	A transdisciplinary account of water research. Wiley Interdisciplinary Reviews: Water, 2016, 3, 369-389.	6.5	77
71	Response of a temperate alpine valley glacier to climate change at the decadal scale. Geografiska Annaler, Series A: Physical Geography, 2016, 98, 81-95.	1.5	14
72	Emergent geomorphicâ€vegetation interactions on a subalpine alluvial fan. Earth Surface Processes and Landforms, 2016, 41, 72-86.	2.5	22

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73	Valorising our research in all its forms. Earth Surface Processes and Landforms, 2016, 41, 3-4.	2.5	0
74	Groundwater controls on biogeomorphic succession and river channel morphodynamics. Journal of Geophysical Research F: Earth Surface, 2016, 121, 1763-1785.	2.8	29
75	Flood hazard assessment and mapping in semi-arid piedmont areas: a case study in Beni Mellal, Morocco. Natural Hazards, 2016, 81, 481-511.	3.4	23
76	The effects of river restoration on catchment scale flood risk and flood hydrology. Earth Surface Processes and Landforms, 2016, 41, 997-1008.	2.5	130
77	The role of discharge variability in determining alluvial stratigraphy. Geology, 2016, 44, 3-6.	4.4	36
78	Ecosystem impacts of Alpine water intakes for hydropower: the challenge of sediment management. Wiley Interdisciplinary Reviews: Water, 2016, 3, 41-61.	6.5	45
79	Investigating decadalâ€scale geomorphic dynamics in an alpine mountain setting. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2155-2175.	2.8	64
80	Editorial 2015. Earth Surface Processes and Landforms, 2015, 40, 1-1.	2.5	0
81	The science and practice of river restoration. Water Resources Research, 2015, 51, 5974-5997.	4.2	442
82	The role of soil in vegetated gravelly river braid plains: more than just a passive response?. Earth Surface Processes and Landforms, 2015, 40, 143-156.	2.5	56
83	Application of archival aerial photogrammetry to quantify climate forcing of alpine landscapes. Photogrammetric Record, 2015, 30, 143-165.	0.4	42
84	Lidar measurement of surface melt for a temperate Alpine glacier at the seasonal and hourly scales. Journal of Glaciology, 2015, 61, 963-974.	2.2	47
85	Erosion by an Alpine glacier. Science, 2015, 350, 193-195.	12.6	138
86	Organic matter processing and soil evolution in a braided river system. Catena, 2015, 126, 86-97.	5.0	23
87	Investigating the geomorphological potential of freely available and accessible structureâ€fromâ€motion photogrammetry using a smartphone. Earth Surface Processes and Landforms, 2015, 40, 473-486.	2.5	233
88	Acting, predicting and intervening in a socio-hydrological world. Hydrology and Earth System Sciences, 2014, 18, 927-952.	4.9	117
89	Solution Scanning as a Key Policy Tool: Identifying Management Interventions to Help Maintain and Enhance Regulating Ecosystem Services. Ecology and Society, 2014, 19, .	2.3	66
90	Quadrant/octant sequencing and the role of coherent structures in bed load sediment entrainment. Journal of Geophysical Research F: Earth Surface, 2014, 119, 264-286.	2.8	75

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91	ESPL, Open Access and Open Review “time for some reflection. Earth Surface Processes and Landforms, 2014, 39, 1-3.	2.5	3
92	The hydraulic description of vegetated river channels: the weaknesses of existing formulations and emerging alternatives. Wiley Interdisciplinary Reviews: Water, 2014, 1, 549-560.	6.5	30
93	Communicating geomorphology: global challenges for the twenty-first century. Earth Surface Processes and Landforms, 2014, 39, 476-486.	2.5	22
94	Good practice in authoring manuscripts on geomorphology. Earth Surface Processes and Landforms, 2014, 39, 126-132.	2.5	4
95	High-resolution numerical modelling of flow–vegetation interactions. Journal of Hydraulic Research/De Recherches Hydrauliques, 2014, 52, 775-793.	1.7	43
96	Scales and causes of heterogeneity in bars in a large multi-channel river: Río Paraná, Argentina. Sedimentology, 2014, 61, 1055-1085.	3.1	48
97	The role of tributary relative timing and sequencing in controlling large floods. Water Resources Research, 2014, 50, 5444-5458.	4.2	44
98	EFFECTIVENESS OF SOIL AND WATER ASSESSMENT TOOL MODEL TO SIMULATE WATER FLOW IN A LARGE AGRICULTURAL COMPLEX WATERSHED: CASE OF BUYO LAKE BASIN, WEST OF COTE D'IVOIRE. Environmental Engineering and Management Journal, 2014, 13, 1735-1742.	0.6	5
99	Virtual water. Geography, 2014, 99, 51-53.	0.6	0
100	Splitting rivers at their seams: bifurcations and avulsion. Earth Surface Processes and Landforms, 2013, 38, 47-61.	2.5	204
101	Impacts of upland open drains upon runoff generation: a numerical assessment of catchment-scale impacts. Hydrological Processes, 2013, 27, 1701-1726.	2.6	24
102	Testing the influence of topography and material properties on catchment-scale soil moisture patterns using remotely sensed vegetation patterns in a humid temperate catchment, northern Britain. Hydrological Processes, 2013, 27, 1223-1237.	2.6	9
103	21st century climate change: where has all the geomorphology gone?. Earth Surface Processes and Landforms, 2013, 38, 106-110.	2.5	46
104	Editorial 2013. Earth Surface Processes and Landforms, 2013, 38, 1-2.	2.5	0
105	Deposits of the sandy braided South Saskatchewan River: Implications for the use of modern analogs in reconstructing channel dimensions in reservoir characterization. AAPG Bulletin, 2013, 97, 553-576.	1.5	37
106	Learning through Computer Model Improvisations. Science Technology and Human Values, 2013, 38, 678-700.	3.1	13
107	Overflowing with Issues: Following the Political Trajectories of Flooding. Environment and Planning C: Urban Analytics and City Science, 2013, 31, 603-618.	1.5	44
108	Quantification of the relation between surface morphodynamics and subsurface sedimentological product in sandy braided rivers. Sedimentology, 2013, 60, 820-839.	3.1	25

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109	Explaining Rapid Transitions in the Practice of Flood Risk Management. Annals of the American Association of Geographers, 2013, 103, 330-342.	3.0	30
110	The link between land-use management and fluvial flood risk. Progress in Physical Geography, 2012, 36, 72-92.	3.2	81
111	Application of a roughness-length representation to parameterize energy loss in 3D numerical simulations of large rivers. Water Resources Research, 2012, 48, .	4.2	14
112	A Monte Carlo approach to the inverse problem of diffuse pollution risk in agricultural catchments. Science of the Total Environment, 2012, 433, 434-449.	8.0	26
113	Geography as a shared project: Royal Geographical Society (with IBC) Medals and Awards ceremony 2012. Geographical Journal, 2012, 178, 279-286.	3.1	0
114	Modelling hydrodynamics in the Rio Paraná, Argentina: An evaluation and inter-comparison of reduced-complexity and physics based models applied to a large sand-bed river. Geomorphology, 2012, 169-170, 192-211.	2.6	30
115	RESERVOIR COMPENSATION RELEASES: IMPACT ON THE MACROINVERTEBRATE COMMUNITY OF THE DERWENT RIVER, NORTHUMBERLAND, UK—A LONGITUDINAL STUDY. River Research and Applications, 2012, 28, 692-702.	1.7	23
116	Topographic forcing of flow partition and flow structures at river bifurcations. Earth Surface Processes and Landforms, 2012, 37, 666-679.	2.5	41
117	Limits on the validity of infinite length assumptions for modelling shallow landslides. Earth Surface Processes and Landforms, 2012, 37, 1158-1166.	2.5	65
118	Editorial 2012. Earth Surface Processes and Landforms, 2012, 37, 1-2.	2.5	0
119	Seeking good peer review in geomorphology. Earth Surface Processes and Landforms, 2012, 37, 3-8.	2.5	3
120	The relationship between Lamb weather types and long-term changes in flood frequency, River Eden, UK. International Journal of Climatology, 2012, 32, 1971-1989.	3.5	45
121	Climate change and integrated analysis of mountain geomorphological systems. Geographica Helvetica, 2012, 67, 5-14.	0.8	10
122	Explaining changing catastrophe losses. Geography, 2012, 97, 100-104.	0.6	4
123	Imagining flood futures: risk assessment and management in practice. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1784-1806.	3.4	69
124	Evolution and sedimentology of a channel fill in the sandy braided South Saskatchewan River and its comparison to the deposits of an adjacent compound bar. Sedimentology, 2011, 58, 1860-1883.	3.1	99
125	Doing flood risk science differently: an experiment in radical scientific method. Transactions of the Institute of British Geographers, 2011, 36, 15-36.	2.9	290
126	Water table dynamics in undisturbed, drained and restored blanket peat. Journal of Hydrology, 2011, 402, 103-114.	5.4	119

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127	Risk-based modelling of diffuse land use impacts from rural landscapes upon salmonid fry abundance. Ecological Modelling, 2011, 222, 1016-1029.	2.5	57
128	The tragedy of the reviewing commons?. Earth Surface Processes and Landforms, 2011, 36, 1-2.	2.5	3
129	An experimental study of discharge partitioning and flow structure at symmetrical bifurcations. Earth Surface Processes and Landforms, 2011, 36, 2069-2082.	2.5	52
130	Flow structures at an idealized bifurcation: a numerical experiment. Earth Surface Processes and Landforms, 2011, 36, 2083-2096.	2.5	38
131	Interactions between subgrid-scale resolution, feature representation and grid-scale resolution in flood inundation modelling. Hydrological Processes, 2011, 25, 36-53.	2.6	60
132	A coupled sediment routing and lateral migration model for gravel-bed rivers. Hydrological Processes, 2011, 25, 1887-1898.	2.6	2
133	Coproducing Flood Risk Knowledge: Redistributing Expertise in Critical "Participatory Modelling"™. Environment and Planning A, 2011, 43, 1617-1633.	3.6	150
134	Virtual Engineering. Science and Technology Studies, 2011, 24, 3-22.	0.7	13
135	Making Mathematical Models Perform in Geographical Space(s). , 2011, , 228-245.		7
136	Editorial: Concepts and geography. Geography, 2011, 96, 2-4.	0.6	2
137	The Tipping Point: How little things can make a big difference. Geography, 2011, 96, 34-38.	0.6	1
138	Editorial 2010. Earth Surface Processes and Landforms, 2010, 35, 1-3.	2.5	3
139	Quantification of braided river channel change using archival digital image analysis. Earth Surface Processes and Landforms, 2010, 35, 971-985.	2.5	94
140	On the relationship between flow and suspended sediment transport over the crest of a sand dune, Río Paraná, Argentina. Sedimentology, 2010, 57, 252-272.	3.1	74
141	A method for parameterising roughness and topographic sub-grid scale effects in hydraulic modelling from LiDAR data. Hydrology and Earth System Sciences, 2010, 14, 1567-1579.	4.9	66
142	Monitoring Suspended Sediment Dynamics Using MBES. Journal of Hydraulic Engineering, 2010, 136, 45-49.	1.5	23
143	Can we distinguish flood frequency and magnitude in the sedimentological record of rivers?. Geology, 2010, 38, 579-582.	4.4	59
144	Communities of knowledge: Science and flood management in Bangladesh. Environmental Hazards, 2010, 9, 8-25.	2.5	11

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145	Coherent flow structures in a depthâ€limited flow over a gravel surface: The influence of surface roughness. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	43
146	Reconstruction of subgridâ€scale topographic variability and its effect upon the spatial structure of threeâ€dimensional river flow. <i>Water Resources Research</i> , 2010, 46, .	4.2	15
147	Using sediment impact sensors to improve the morphological sediment budget approach for estimating bedload transport rates. <i>Geomorphology</i> , 2010, 119, 125-134.	2.6	34
148	The potential of digital filtering of generic topographic data for geomorphological research. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 63-74.	2.5	36
149	The spatial and temporal patterns of aggradation in a temperate, upland, gravelâ€bed river. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1181-1197.	2.5	34
150	Editorial: one year onÂˆÂˆ. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1-2.	2.5	0
151	Suspended sediment transport and deposition over a dune: RÂˆo ParanÂˆi, Argentina. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1605-1611.	2.5	53
152	Increased temperature sensitivity of net DOC production from ombrotrophic peat due to water table drawâ€down. <i>Global Change Biology</i> , 2009, 15, 794-807.	9.5	79
153	Coherent flow structures in a depthâ€limited flow over a gravel surface: The role of nearâ€bed turbulence and influence of Reynolds number. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	102
154	Representation of landscape hydrological connectivity using a topographically driven surface flow index. <i>Water Resources Research</i> , 2009, 45, .	4.2	145
155	Optimization of Stereo-matching Algorithms Using Existing DEM Data. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009, 75, 323-333.	0.6	5
156	What makes a fish (hydrologically) happy? A case for inverse modelling. <i>Hydrological Processes</i> , 2008, 22, 4493-4495.	2.6	6
157	Large River Channel Confluences. , 2008, , 73-91.		34
158	Link between DOC in near surface peat and stream water in an upland catchment. <i>Science of the Total Environment</i> , 2008, 404, 308-315.	8.0	74
159	Causes of rapid mixing at a junction of two large rivers: RÂˆo ParanÂˆi and RÂˆo Paraguay, Argentina. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	115
160	Overland flow velocity and roughness properties in peatlands. <i>Water Resources Research</i> , 2008, 44, .	4.2	90
161	Reconceptualising coarse sediment delivery problems in rivers as catchment-scale and diffuse. <i>Geomorphology</i> , 2008, 98, 227-249.	2.6	61
162	Climate change and the summer 2007 floods in the UK. <i>Geography</i> , 2008, 93, 91-97.	0.6	15

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163	Thinking through climate change: an introduction. <i>Geography</i> , 2008, 93, 4-10.	0.6	1
164	6 River processes. , 2007, , 82-99.		7
165	18 Managing the rural landscape. , 2007, , 297-319.		10
166	Investigating the Effects of DEM Error in Scaling Analysis. <i>Photogrammetric Engineering and Remote Sensing</i> , 2007, 73, 67-78.	0.6	16
167	The timing and magnitude of coarse sediment transport events within an upland, temperate gravel-bed river. <i>Geomorphology</i> , 2007, 83, 152-182.	2.6	59
168	Does hydrological connectivity improve modelling of coarse sediment delivery in upland environments?. <i>Geomorphology</i> , 2007, 90, 263-282.	2.6	53
169	21 Contemporary morphological change in braided gravel-bed rivers: new developments from field and laboratory studies, with particular reference to the influence of riparian vegetation. <i>Developments in Earth Surface Processes</i> , 2007, 11, 557-584.	2.8	21
170	Export of dissolved organic carbon from an upland peatland during storm events: Implications for flux estimates. <i>Journal of Hydrology</i> , 2007, 347, 438-447.	5.4	143
171	Emergence of coherent flow structures over a gravel surface: A numerical experiment. <i>Water Resources Research</i> , 2007, 43, .	4.2	49
172	Assessment of rainfall-runoff models based upon wavelet analysis. <i>Hydrological Processes</i> , 2007, 21, 586-607.	2.6	54
173	A comparison of one- and two-dimensional approaches to modelling flood inundation over complex upland floodplains. <i>Hydrological Processes</i> , 2007, 21, 3190-3202.	2.6	159
174	Interactions between sediment delivery, channel change, climate change and flood risk in a temperate upland environment. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 429-446.	2.5	200
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