# Stuart N. Lane

List of Publications by Year
in descending order

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|---|---|---|---|
| 274 papers | 15,142 citations | 15001 68 h-index | 29333 108 g-index |
| 337 all docs | 337 docs citations | 337 times ranked | 11434 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Editorial 2022: Quality not quantity. Earth Surface Processes and Landforms, 2022, 47, 3-4. | 1.2 | 2 |
| 2 | Restoring morphodynamics downstream from Alpine dams: Development of a geomorphological version of the serial discontinuity concept. Geomorphology, 2022, 402, 108131. | 1.1 | 2 |
| 3 | Hydrological Drivers of Bedload Transport in an Alpine Watershed. Water Resources Research, 2022, 58, . | 1.7 | 9 |
| 4 | High Mountain Asia hydropower systems threatened by climate-driven landscape instability. Nature Geoscience, 2022, 15, 520-530. | 5.4 | 73 |
| 5 | Centimeter-scale mapping of phototrophic biofilms in glacial forefields using visible band ratios and UAV imagery. International Journal of Remote Sensing, 2022, 43, 4723-4757. | 1.3 | 7 |
| 6 | Editorial: Equality, diversity and the challenges for ESPL. Earth Surface Processes and Landforms, 2021, 46, 3-4. | 1.2 | 5 |
| 7 | Climate Change Impacts on Sediment Yield and Debrisâ€Flow Activity in an Alpine Catchment. Journal of Geophysical Research F: Earth Surface, 2021, 126, . | 1.0 | 39 |
| 8 | Sediment yield over glacial cycles: A conceptual model. Progress in Physical Geography, 2021, 45, 842-865. | 1.4 | 19 |
| 9 | Quantifying the spatial distribution of sediment transport in an experimental gully system using the morphological method. Earth Surface Processes and Landforms, 2021, 46, 1188-1208. | 1.2 | 11 |
| 10 | Characterization of subglacial marginal channels using 3-D analysis of high-density ground-penetrating radar data. Journal of Glaciology, 2021, 67, 759-772. | 1.1 | 14 |
| 11 | Regimes of primary production and their drivers in Alpine streams. Freshwater Biology, 2021, 66, 1449-1463. | 1.2 | 15 |
| 12 | Dam builders and their works: Beaver influences on the structure and function of river corridor hydrology, geomorphology, biogeochemistry and ecosystems. Earth-Science Reviews, 2021, 218, 103623. | 4.0 | 69 |
| 13 | Daily entropy of dissolved oxygen reveals different energetic regimes and drivers among highâ€mountain stream types. Limnology and Oceanography, 2021, 66, 1594-1610. | 1.6 | 7 |
| 14 | Subglacial Channels, Climate Warming, and Increasing Frequency of Alpine Glacier Snout Collapse. Geophysical Research Letters, 2021, 48, e2021GL096031. | 1.5 | 13 |
| 15 | Downscaling Images with Trends Using Multiple-Point Statistics Simulation: An Application to Digital Elevation Models. Mathematical Geosciences, 2020, 52, 145-187. | 1.4 | 11 |
| 16 | Editorial 2020 Part II: Data from nowhere?. Earth Surface Processes and Landforms, 2020, 45, 5-10. | 1.2 | 4 |
| 17 | Changes in sediment connectivity following glacial debuttressing in an Alpine valley system. Geomorphology, 2020, 352, 106987. | 1.1 | 33 |
| 18 | Influence of Dunes on Channelâ€Scale Flow and Sediment Transport in a Sand Bed Braided River. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2020JF005571. | 1.0 | 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. Remote Sensing, 2020, 12, 3868. | 1.8 | 13 |
| 20 | A Numerical Study of the Influence of Channel-Scale Secondary Circulation on Mixing Processes Downstream of River Junctions. Water (Switzerland), 2020, 12, 2969. | 1.2 | 15 |
| 21 | Disruption of emergency response to vulnerable populations during floods. Nature Sustainability, 2020, 3, 728-736. | 11.5 | 42 |
| 22 | Editorial 2020 Part I: A Tribute to Fiona Kirkby. Earth Surface Processes and Landforms, 2020, 45, 3-4. | 1.2 | 0 |
| 23 | Mitigating systematic error in topographic models for geomorphic change detection: accuracy, precision and considerations beyond offâ€nadir imagery. Earth Surface Processes and Landforms, 2020, 45, 2251-2271. | 1.2 | 67 |
| 24 | Connectivity as an emergent property of geomorphic systems. Earth Surface Processes and Landforms, 2019, 44, 4-26. | 1.2 | 233 |
| 25 | The sediment budget and dynamics of a deltaâ€canyonâ€lobe system over the Anthropocene timescale: The Rhone River delta, Lake Geneva (Switzerland/France). Sedimentology, 2019, 66, 838-858. | 1.6 | 19 |
| 26 | Disentangling human impact from natural controls of sediment dynamics in an Alpine catchment. Earth Surface Processes and Landforms, 2019, 44, 2885-2902. | 1.2 | 7 |
| 27 | Alpine Glacier Shrinkage Drives Shift in Dissolved Organic Carbon Export From Quasiâ€Chemostasis to Transport Limitation. Geophysical Research Letters, 2019, 46, 8872-8881. | 1.5 | 29 |
| 28 | Making stratigraphy in the Anthropocene: climate change impacts and economic conditions controlling the supply of sediment to Lake Geneva. Scientific Reports, 2019, 9, 8904. | 1.6 | 28 |
| 29 | Ecosystem engineers: Biofilms and the ontogeny of glacier floodplain ecosystems. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1390. | 2.8 | 18 |
| 30 | Hydropower Flushing Events Cause Severe Loss of Macrozoobenthos in Alpine Streams. Water Resources Research, 2019, 55, 10056-10081. | 1.7 | 12 |
| 31 | Evaluation of aDcp processing options for secondary flow identification at river junctions. Earth Surface Processes and Landforms, 2019, 44, 2903-2921. | 1.2 | 11 |
| 32 | Sub-basin and temporal variability of macroinvertebrate assemblages in Alpine streams: when and where to sample?. Hydrobiologia, 2019, 830, 179-200. | 1.0 | 12 |
| 33 | A framework for using small Unmanned Aircraft Systems (sUASs) and SfM photogrammetry to detect salmonid redds. Ecological Informatics, 2019, 53, 100976. | 2.3 | 13 |
| 34 | Climateâ€driven change in the water sourced by trees in a deâ€glaciating proglacial foreâ€field, Torres del Paine, Chile. Ecohydrology, 2019, 12, e2133. | 1.1 | 2 |
| 35 | Morphological Response of an Alpine Braided Reach to Sedimentâ€Laden Flow Events. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1310-1328. | 1.0 | 27 |
| 36 | Revisiting the morphological method in twoâ€dimensions to quantify bedâ€material transport in braided rivers. Earth Surface Processes and Landforms, 2019, 44, 2251-2267. | 1.2 | 23 |

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| 37 | Guidelines on the use of structureâ€fromâ€motion photogrammetry in geomorphic research. Earth Surface Processes and Landforms, 2019, 44, 2081-2084. | 1.2 | 178 |
| 38 | Decadalâ€Scale Climate Forcing of Alpine Glacial Hydrological Systems. Water Resources Research, 2019, 55, 2478-2492. | 1.7 | 32 |
| 39 | Comparison of remote sensing based approaches for mapping bathymetry of shallow, clear water rivers. Geomorphology, 2019, 333, 180-197. | 1.1 | 88 |
| 40 | Professor Jim Chandler. Photogrammetric Record, 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. Earth Surface Processes and Landforms, 2019, 44, 1117-1136. | 1.2 | 19 |
| 42 | Biogeomorphic feedbacks and the ecosystem engineering of recently deglaciated terrain. Progress in Physical Geography, 2019, 43, 24-45. | 1.4 | 29 |
| 43 | Quantification of bedform dynamics and bedload sediment flux in sandy braided rivers from airborne and satellite imagery. Earth Surface Processes and Landforms, 2019, 44, 953-972. | 1.2 | 24 |
| 44 | Editorial 2019: Is patience a virtue we are progressively losing?. Earth Surface Processes and Landforms, 2019, 44, 3-3. | 1.2 | 0 |
| 45 | Summer is in winter: Disturbance-driven shifts in macroinvertebrate communities following hydroelectric power exploitation. Science of the Total Environment, 2019, 650, 2164-2180. | 3.9 | 19 |
| 46 | Invalidation of Models and Fitness-for-Purpose: A Rejectionist Approach. Simulation Foundations, Methods and Applications, 2019, , 145-171. | 0.8 | 17 |
| 47 | Critical physical geography. Geography, 2019, 104, 49-53. | 0.2 | 6 |
| 48 | Influence of Hydrodynamic Regimes on Mixing of Waters of Confluent Rivers. Journal of Applied Mechanics and Technical Physics, 2019, 60, 1220-1227. | 0.1 | 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. Water Resources Research, 2018, 54, 223-242. | 1.7 | 20 |
| 51 | Reduced sediment supply in a fast eroding landscape? A multi-proxy sediment budget of the upper RhÃ´ne basin, Central Alps. Sedimentary Geology, 2018, 375, 105-119. | 1.0 | 31 |
| 52 | Biotic drivers of river and floodplain geomorphology â€“ New molecular methods for assessing presentâ€day and past biota. Earth Surface Processes and Landforms, 2018, 43, 333-338. | 1.2 | 7 |
| 53 | Editorial 2018. Earth Surface Processes and Landforms, 2018, 43, 3-3. | 1.2 | 0 |
| 54 | Modeling Macroroughness Contribution to Fish Habitat Suitability Curves. Water Resources Research, 2018, 54, 9306-9320. | 1.7 | 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. | 1.9 | 47 |
| 57 | Influence of hydrodynamic regimes on mixing of waters of confluent rivers. Computational Continuum Mechanics, 2018, 11, 354-361. | 0.1 | 3 |
| 58 | Sediment export, transient landscape response and catchment-scale connectivity following rapid climate warming and Alpine glacier recession. Geomorphology, 2017, 277, 210-227. | 1.1 | 168 |
| 59 | Natural flood management. Wiley Interdisciplinary Reviews: Water, 2017, 4, e1211. | 2.8 | 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. | 0.7 | 25 |
| 61 | Geomorphological activity at a rock glacier front detected with a 3D density-based clustering algorithm. Geomorphology, 2017, 278, 287-297. | 1.1 | 22 |
| 62 | Slow science, the geographical expedition, and Critical Physical Geography. Canadian Geographer / Geographie Canadien, 2017, 61, 84-101. | 1.0 | 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. | 1.0 | 13 |
| 64 | Stormy geomorphology: geomorphic contributions in an age of climate extremes. Earth Surface Processes and Landforms, 2017, 42, 166-190. | 1.2 | 94 |
| 65 | Stormy geomorphology: an introduction to the Special Issue. Earth Surface Processes and Landforms, 2017, 42, 238-241. | 1.2 | 6 |
| 66 | Editorial 2017: respond, don't rebut. Earth Surface Processes and Landforms, 2017, 42, 3-4. | 1.2 | 1 |
| 67 | Archival photogrammetric analysis of riverâ€“floodplain systems using Structure from Motion (SfM) methods. Earth Surface Processes and Landforms, 2017, 42, 1274-1286. | 1.2 | 81 |
| 68 | Patchâ€scale representation of vegetation within hydraulic models. Earth Surface Processes and Landforms, 2017, 42, 699-710. | 1.2 | 29 |
| 69 | Water yield and sediment export in small, partially glaciated Alpine watersheds in a warming climate. Water Resources Research, 2016, 52, 4924-4943. | 1.7 | 68 |
| 70 | A transdisciplinary account of water research. Wiley Interdisciplinary Reviews: Water, 2016, 3, 369-389. | 2.8 | 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. | 0.6 | 14 |
| 72 | Emergent geomorphicâ€“vegetation interactions on a subalpine alluvial fan. Earth Surface Processes and Landforms, 2016, 41, 72-86. | 1.2 | 22 |

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| 73 | Valorising our research in all its forms. Earth Surface Processes and Landforms, 2016, 41, 3-4. | 1.2 | 0 |
| 74 | Groundwater controls on biogeomorphic succession and river channel morphodynamics. Journal of Geophysical Research F: Earth Surface, 2016, 121, 1763-1785. | 1.0 | 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. | 1.6 | 23 |
| 76 | The effects of river restoration on catchment scale flood risk and flood hydrology. Earth Surface Processes and Landforms, 2016, 41, 997-1008. | 1.2 | 130 |
| 77 | The role of discharge variability in determining alluvial stratigraphy. Geology, 2016, 44, 3-6. | 2.0 | 36 |
| 78 | Ecosystem impacts of Alpine water intakes for hydropower: the challenge of sediment management. Wiley Interdisciplinary Reviews: Water, 2016, 3, 41-61. | 2.8 | 45 |
| 79 | Investigating decadalâ€scale geomorphic dynamics in an alpine mountain setting. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2155-2175. | 1.0 | 64 |
| 80 | Editorial 2015. Earth Surface Processes and Landforms, 2015, 40, 1-1. | 1.2 | 0 |
| 81 | The science and practice of river restoration. Water Resources Research, 2015, 51, 5974-5997. | 1.7 | 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. | 1.2 | 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. | 1.1 | 47 |
| 85 | Erosion by an Alpine glacier. Science, 2015, 350, 193-195. | 6.0 | 138 |
| 86 | Organic matter processing and soil evolution in a braided river system. Catena, 2015, 126, 86-97. | 2.2 | 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. | 1.2 | 233 |
| 88 | Acting, predicting and intervening in a socio-hydrological world. Hydrology and Earth System Sciences, 2014, 18, 927-952. | 1.9 | 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, . | 1.0 | 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. | 1.0 | 75 |

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|---|---|---|---|
| 91 | ESPL, Open Access and Open Review â€“ time for some reflection. Earth Surface Processes and Landforms, 2014, 39, 1-3. | 1.2 | 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. | 2.8 | 30 |
| 93 | Communicating geomorphology: global challenges for the twenty-first century. Earth Surface Processes and Landforms, 2014, 39, 476-486. | 1.2 | 22 |
| 94 | Good practice in authoring manuscripts on geomorphology. Earth Surface Processes and Landforms, 2014, 39, 126-132. | 1.2 | 4 |
| 95 | High-resolution numerical modelling of flowâ€”vegetation interactions. Journal of Hydraulic Research/De Recherches Hydrauliques, 2014, 52, 775-793. | 0.7 | 43 |
| 96 | Scales and causes of heterogeneity in bars in a large multiâ€channel river: RÃo ParanÃ¡, Argentina. Sedimentology, 2014, 61, 1055-1085. | 1.6 | 48 |
| 97 | The role of tributary relative timing and sequencing in controlling large floods. Water Resources Research, 2014, 50, 5444-5458. | 1.7 | 44 |
| 98 | EFFECTIVNESS 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. | 0.2 | 5 |
| 99 | Virtual water. Geography, 2014, 99, 51-53. | 0.2 | 0 |
| 100 | Splitting rivers at their seams: bifurcations and avulsion. Earth Surface Processes and Landforms, 2013, 38, 47-61. | 1.2 | 204 |
| 101 | Impacts of upland open drains upon runoff generation: a numerical assessment of catchmentâ€scale impacts. Hydrological Processes, 2013, 27, 1701-1726. | 1.1 | 24 |
| 102 | Testing the influence of topography and material properties on catchmentâ€scale soil moisture patterns using remotely sensed vegetation patterns in a humid temperate catchment, northern Britain. Hydrological Processes, 2013, 27, 1223-1237. | 1.1 | 9 |
| 103 | 21st century climate change: where has all the geomorphology gone?. Earth Surface Processes and Landforms, 2013, 38, 106-110. | 1.2 | 46 |
| 104 | Editorial 2013. Earth Surface Processes and Landforms, 2013, 38, 1-2. | 1.2 | 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. | 0.7 | 37 |
| 106 | Learning through Computer Model Improvisations. Science Technology and Human Values, 2013, 38, 678-700. | 1.7 | 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. | 1.6 | 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. | 1.4 | 81 |
| 111 | Application of a roughnessâ€length representation to parameterize energy loss in 3â€D numerical simulations of large rivers. Water Resources Research, 2012, 48, . | 1.7 | 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. | 3.9 | 26 |
| 113 | Geography as a shared project: Royal Geographical Society (with IBG) Medals and Awards ceremony 2012. Geographical Journal, 2012, 178, 279-286. | 1.6 | 0 |
| 114 | Modelling hydrodynamics in the Rio ParanÃ¡, 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. | 1.1 | 30 |
| 115 | RESERVOIR COMPENSATION RELEASES: IMPACT ON THE MACROINVERTEBRATE COMMUNITY OF THE DERWENT RIVER, NORTHUMBERLAND, UKâ€"A LONGITUDINAL STUDY. River Research and Applications, 2012, 28, 692-702. | 0.7 | 23 |
| 116 | Topographic forcing of flow partition and flow structures at river bifurcations. Earth Surface Processes and Landforms, 2012, 37, 666-679. | 1.2 | 41 |
| 117 | Limits on the validity of infinite length assumptions for modelling shallow landslides. Earth Surface Processes and Landforms, 2012, 37, 1158-1166. | 1.2 | 65 |
| 118 | Editorial 2012. Earth Surface Processes and Landforms, 2012, 37, 1-2. | 1.2 | 0 |
| 119 | Seeking good peer review in geomorphology. Earth Surface Processes and Landforms, 2012, 37, 3-8. | 1.2 | 3 |
| 120 | The relationship between Lamb weather types and longâ€term changes in flood frequency, River Eden, UK. International Journal of Climatology, 2012, 32, 1971-1989. | 1.5 | 45 |
| 121 | Climate change and integrated analysis of mountain geomorphological systems. Geographica Helvetica, 2012, 67, 5-14. | 0.4 | 10 |
| 122 | Explaining changing catastrophe losses. Geography, 2012, 97, 100-104. | 0.2 | 4 |
| 123 | Imagining flood futures: risk assessment and management in practice. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1784-1806. | 1.6 | 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. | 1.6 | 99 |
| 125 | Doing flood risk science differently: an experiment in radical scientific method. Transactions of the Institute of British Geographers, 2011, 36, 15-36. | 1.8 | 290 |
| 126 | Water table dynamics in undisturbed, drained and restored blanket peat. Journal of Hydrology, 2011, 402, 103-114. | 2.3 | 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. | 1.2 | 57 |
| 128 | The tragedy of the reviewing commons?. Earth Surface Processes and Landforms, 2011, 36, 1-2. | 1.2 | 3 |
| 129 | An experimental study of discharge partitioning and flow structure at symmetrical bifurcations. Earth Surface Processes and Landforms, 2011, 36, 2069-2082. | 1.2 | 52 |
| 130 | <scp>F</scp>low structures at an idealized bifurcation: a numerical experiment. Earth Surface Processes and Landforms, 2011, 36, 2083-2096. | 1.2 | 38 |
| 131 | Interactions between subgridâ€scale resolution, feature representation and gridâ€scale resolution in flood inundation modelling. Hydrological Processes, 2011, 25, 36-53. | 1.1 | 60 |
| 132 | A coupled sediment routing and lateral migration model for gravelâ€bed rivers. Hydrological Processes, 2011, 25, 1887-1898. | 1.1 | 2 |
| 133 | Coproducing Flood Risk Knowledge: Redistributing Expertise in Critical â€˜Participatory Modellingâ€™. Environment and Planning A, 2011, 43, 1617-1633. | 2.1 | 150 |
| 134 | Virtual Engineering. Science and Technology Studies, 2011, 24, 3-22. | 0.6 | 13 |
| 135 | Making Mathematical Models Perform in Geographical Space(s). , 2011, , 228-245. | | 7 |
| 136 | Editorial: Concepts and geography. Geography, 2011, 96, 2-4. | 0.2 | 2 |
| 137 | The Tipping Point: How little things can make a big difference. Geography, 2011, 96, 34-38. | 0.2 | 1 |
| 138 | Editorial 2010. Earth Surface Processes and Landforms, 2010, 35, 1-3. | 1.2 | 3 |
| 139 | Quantification of braided river channel change using archival digital image analysis. Earth Surface Processes and Landforms, 2010, 35, 971-985. | 1.2 | 94 |
| 140 | On the relationship between flow and suspended sediment transport over the crest of a sand dune, RÃƒÂo ParanÃƒÂ¡, Argentina. Sedimentology, 2010, 57, 252-272. | 1.6 | 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. | 1.9 | 66 |
| 142 | Monitoring Suspended Sediment Dynamics Using MBES. Journal of Hydraulic Engineering, 2010, 136, 45-49. | 0.7 | 23 |
| 143 | Can we distinguish flood frequency and magnitude in the sedimentological record of rivers?. Geology, 2010, 38, 579-582. | 2.0 | 59 |
| 144 | Communities of knowledge: Science and flood management in Bangladesh. Environmental Hazards, 2010, 9, 8-25. | 1.4 | 11 |

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| 145 | Coherent flow structures in a depthâ€limited flow over a gravel surface: The influence of surface roughness. Journal of Geophysical Research, 2010, 115, . | 3.3 | 43 |
| 146 | Reconstruction of subgridâ€scale topographic variability and its effect upon the spatial structure of threeâ€dimensional river flow. Water Resources Research, 2010, 46, . | 1.7 | 15 |
| 147 | Using sediment impact sensors to improve the morphological sediment budget approach for estimating bedload transport rates. Geomorphology, 2010, 119, 125-134. | 1.1 | 34 |
| 148 | The potential of digital filtering of generic topographic data for geomorphological research. Earth Surface Processes and Landforms, 2009, 34, 63-74. | 1.2 | 36 |
| 149 | The spatial and temporal patterns of aggradation in a temperate, upland, gravelâ€bed river. Earth Surface Processes and Landforms, 2009, 34, 1181-1197. | 1.2 | 34 |
| 150 | Editorial: one year onÂ.Â.Â.. Earth Surface Processes and Landforms, 2009, 34, 1-2. | 1.2 | 0 |
| 151 | Suspended sediment transport and deposition over a dune: RÃo ParanÃ¡, Argentina. Earth Surface Processes and Landforms, 2009, 34, 1605-1611. | 1.2 | 53 |
| 152 | Increased temperature sensitivity of net DOC production from ombrotrophic peat due to water table drawâ€down. Global Change Biology, 2009, 15, 794-807. | 4.2 | 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. Journal of Geophysical Research, 2009, 114, . | 3.3 | 102 |
| 154 | Representation of landscape hydrological connectivity using a topographically driven surface flow index. Water Resources Research, 2009, 45, . | 1.7 | 145 |
| 155 | Optimization of Stereo-matching Algorithms Using Existing DEM Data. Photogrammetric Engineering and Remote Sensing, 2009, 75, 323-333. | 0.3 | 5 |
| 156 | What makes a fish (hydrologically) happy? A case for inverse modelling. Hydrological Processes, 2008, 22, 4493-4495. | 1.1 | 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. Science of the Total Environment, 2008, 404, 308-315. | 3.9 | 74 |
| 159 | Causes of rapid mixing at a junction of two large rivers: RÃo ParanÃ¡ and RÃo Paraguay, Argentina. Journal of Geophysical Research, 2008, 113, . | 3.3 | 115 |
| 160 | Overland flow velocity and roughness properties in peatlands. Water Resources Research, 2008, 44, . | 1.7 | 90 |
| 161 | Reconceptualising coarse sediment delivery problems in rivers as catchment-scale and diffuse. Geomorphology, 2008, 98, 227-249. | 1.1 | 61 |
| 162 | Climate change and the summer 2007 floods in the UK. Geography, 2008, 93, 91-97. | 0.2 | 15 |

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| 163 | Thinking through climate change: an introduction. Geography, 2008, 93, 4-10. | 0.2 | 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. Photogrammetric Engineering and Remote Sensing, 2007, 73, 67-78. | 0.3 | 16 |
| 167 | The timing and magnitude of coarse sediment transport events within an upland, temperate gravel-bed river. Geomorphology, 2007, 83, 152-182. | 1.1 | 59 |
| 168 | Does hydrological connectivity improve modelling of coarse sediment delivery in upland environments?. Geomorphology, 2007, 90, 263-282. | 1.1 | 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. Developments in Earth Surface Processes, 2007, 11, 557-584. | 2.8 | 21 |
| 170 | Export of dissolved organic carbon from an upland peatland during storm events: Implications for flux estimates. Journal of Hydrology, 2007, 347, 438-447. | 2.3 | 143 |
| 171 | Emergence of coherent flow structures over a gravel surface: A numerical experiment. Water Resources Research, 2007, 43, . | 1.7 | 49 |
| 172 | Assessment of rainfall-runoff models based upon wavelet analysis. Hydrological Processes, 2007, 21, 586-607. | 1.1 | 54 |
| 173 | A comparison of one- and two-dimensional approaches to modelling flood inundation over complex upland floodplains. Hydrological Processes, 2007, 21, 3190-3202. | 1.1 | 159 |
| 174 | Interactions between sediment delivery, channel change, climate change and flood risk in a temperate upland environment. Earth Surface Processes and Landforms, 2007, 32, 429-446. | 1.2 | 200 |
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