

Iain M Brown

List of Publications by Citations

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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.

52
papers

1,019
citations

20
h-index

30
g-index

55
ext. papers

1,161
ext. citations

3.8
avg, IF

5
L-index

#	Paper	IF	Citations
52	The future of the uplands. <i>Land Use Policy</i> , 2009 , 26, S204-S216	5.6	68
51	Evaluating wider benefits of natural flood management strategies: an ecosystem-based adaptation perspective 2014 , 45, 774-787		55
50	Simulation scenarios of spatio-temporal arrangement of crops at the landscape scale. <i>Environmental Modelling and Software</i> , 2010 , 25, 1881-1889	5.2	55
49	Relationships between climate, water resources, land use and diffuse pollution and the significance of uncertainty in climate change. <i>Journal of Hydrology</i> , 2012 , 434-435, 19-35	6	54
48	Spatio-temporal MODIS EVI gap filling under cloud cover: An example in Scotland. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2012 , 72, 56-72	11.8	53
47	Modelling future landscape change on coastal floodplains using a rule-based GIS. <i>Environmental Modelling and Software</i> , 2006 , 21, 1479-1490	5.2	51
46	Advances in risk assessment for climate change adaptation policy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	47
45	Influence of climate change on agricultural land-use potential: adapting and updating the land capability system for Scotland. <i>Climate Research</i> , 2008 , 37, 43-57	1.6	45
44	Climate change, drought risk and land capability for agriculture: implications for land use in Scotland. <i>Regional Environmental Change</i> , 2011 , 11, 503-518	4.3	43
43	Flood risk management in sponge cities: The role of integrated simulation and 3D visualization. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 39, 101139	4.5	36
42	Soil available water capacity interpolation and spatial uncertainty modelling at multiple geographical extents. <i>Geoderma</i> , 2010 , 160, 175-188	6.7	34
41	Dynamic simulation and visualisation of coastal erosion. <i>Computers, Environment and Urban Systems</i> , 2006 , 30, 840-860	5.9	33
40	Influence of seasonal weather and climate variability on crop yields in Scotland. <i>International Journal of Biometeorology</i> , 2013 , 57, 605-14	3.7	32
39	Scenario analysis for regional decision-making on sustainable multifunctional land uses. <i>Regional Environmental Change</i> , 2014 , 14, 1357-1371	4.3	31
38	Climate change in the uplands: a UK perspective on safeguarding regulatory ecosystem services. <i>Climate Research</i> , 2008 , 37, 77-98	1.6	30
37	Pattern of deglaciation of the last (Late Devensian) Scottish ice sheet: Evidence from ice-marginal deposits in the Dee valley, Northeast Scotland. <i>Journal of Quaternary Science</i> , 1993 , 8, 235-250	2.3	25
36	Participatory scenario planning for developing innovation in community adaptation responses: three contrasting examples from Latin America. <i>Regional Environmental Change</i> , 2016 , 16, 1685-1700	4.3	24

35	Developing a Virtual Reality User Interface (VRUI) for Geographic Information Retrieval on the Internet. <i>Transactions in GIS</i> , 1999 , 3, 207-220	2.1	23
34	Challenges in delivering climate change policy through land use targets for afforestation and peatland restoration. <i>Environmental Science and Policy</i> , 2020 , 107, 36-45	6.2	22
33	Natural flood management, land use and climate change trade-offs: the case of Tarland catchment, Scotland. <i>Hydrological Sciences Journal</i> , 2017 , 62, 1931-1948	3.5	20
32	Woodland networks in a changing climate: Threats from land use change. <i>Biological Conservation</i> , 2012 , 149, 93-102	6.2	20
31	The creation and characterisation of a bioclimatic classification for Britain and Ireland. <i>Journal for Nature Conservation</i> , 2003 , 11, 5-13	2.3	20
30	The squeezed middle—Identifying and addressing conflicting demands on intermediate quality farmland in Scotland. <i>Land Use Policy</i> , 2014 , 41, 206-216	5.6	19
29	Identifying robust response options to manage environmental change using an Ecosystem Approach: A stress-testing case study for the UK XXX. <i>Environmental Science and Policy</i> , 2015 , 52, 74-88	6.2	16
28	Climate change and soil wetness limitations for agriculture: Spatial risk assessment framework with application to Scotland. <i>Geoderma</i> , 2017 , 285, 173-184	6.7	16
27	The Development of a Visualization Methodology for Integrated Coastal Management. <i>Coastal Management</i> , 2007 , 35, 525-544	3.3	15
26	Exploring the linkages between multifunctional forestry goals and the legacy of spruce plantations in Scotland. <i>Canadian Journal of Forest Research</i> , 2016 , 46, 1247-1254	1.9	14
25	Can scenario-planning support community-based natural resource management? Experiences from three countries in Latin America. <i>Ecology and Society</i> , 2015 , 20,	4.1	13
24	A working typology of response options to manage environmental change and their scope for complementarity using an Ecosystem Approach. <i>Environmental Science and Policy</i> , 2015 , 52, 61-73	6.2	13
23	Assessing climate change risks to the natural environment to facilitate cross-sectoral adaptation policy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	12
22	Comparative Risk Assessment to Inform Adaptation Priorities for the Natural Environment: Observations from the First UK Climate Change Risk Assessment. <i>Climate</i> , 2015 , 3, 937-963	3.1	12
21	Visualisation techniques to support public interpretation of future climate change and land-use choices: a case study from N-E Scotland. <i>International Journal of Digital Earth</i> , 2016 , 9, 586-605	3.9	11
20	Changes in climate variability with reference to land quality and agriculture in Scotland. <i>International Journal of Biometeorology</i> , 2015 , 59, 717-32	3.7	8
19	Quaternary glaciations of New Guinea. <i>Quaternary Science Reviews</i> , 1990 , 9, 273-280	3.9	8
18	Snow cover duration and extent for Great Britain in a changing climate: Altitudinal variations and synoptic-scale influences. <i>International Journal of Climatology</i> , 2019 , 39, 4611-4626	3.5	7

17	Comparing Path Dependence and Spatial Targeting of Land Use in Implementing Climate Change Responses. <i>Land</i> , 2014 , 3, 850-873	3.5	7
16	Hierarchical bioclimate zonation to reference climate change across scales and its implications for nature conservation planning. <i>Applied Geography</i> , 2017 , 85, 126-138	4.4	5
15	A 3D user interface for visualisation of Web-based data-sets 1998 ,		4
14	Natural flood management as a climate change adaptation option assessed using an ecosystem services approach		3
13	Development of a Flood Warning Simulation System: A Case Study of 2007 Tewkesbury Flood. <i>E3S Web of Conferences</i> , 2016 , 7, 18021	0.5	2
12	Landscape Modelling and Stakeholder Engagement: Participatory Approaches and Landscape Visualisation 2020 , 19-55		2
11	A new method for correlation of multiple stratigraphic sequences. <i>Computers and Geosciences</i> , 1997 , 23, 697-700	4.5	2
10	Broad-Scale Analysis of Morphological and Climate Impacts on Coastal Flood Risk 2006 , 1		2
9	Former glacial lakes in the Dee valley: origin, drainage and significance. <i>Scottish Journal of Geology</i> , 1994 , 30, 147-158	1.4	2
8	Snow cover variability in Great Britain during a changing climate. <i>Weather</i> , 2020 , 75, 61-66	0.9	1
7	Large-scale risk screening of raw water quality in the context of drinking water catchments and integrated response strategies. <i>Environmental Science and Policy</i> , 2019 , 100, 84-93	6.2	1
6	Wettest cities. <i>Weather</i> , 2004 , 59, 355-356	0.9	1
5	Multi-Functional Assessment of Coastal Landscapes with Climate Change. <i>Coastal Systems and Continental Margins</i> , 2010 , 335-346		1
4	Do habitat compensation schemes to offset losses from sea level rise and coastal squeeze represent a robust climate change adaptation response?. <i>Ocean and Coastal Management</i> , 2022 , 219, 106072	3.9	0
3	Land capability: A strategic planning tool for integrated climate change responses. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009 , 6, 342015	0.3	
2	A generic system for integrated modelling of multi-dimensional spatial data. <i>Physics and Chemistry of the Earth</i> , 1998 , 23, 285-287		
1	Evaluating Broadscale Morphological Change in the Coastal Zone Using a Logic-Based Behavioural Systems Approach. <i>Advances in Global Change Research</i> , 2015 , 147-165	1.2	