

Ian David Leigh Foster

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,339
citations

257357

24
h-index

214721

47
g-index

60
all docs

60
docs citations

60
times ranked

2084
citing authors

#	ARTICLE	IF	CITATIONS
1	Abiotic predictors of fine sediment accumulation in lowland rivers. <i>International Journal of Sediment Research</i> , 2022, 37, 128-137.	1.8	16
2	Comparison of observed and DEM-driven field-to-river routing of flow from eroding fields in an arable lowland catchment. <i>Catena</i> , 2022, 208, 105737.	2.2	8
3	Runoff and sediment storage: The effectiveness of mitigation measures against soil erosion and freshwater pollution. <i>Land Degradation and Development</i> , 2021, 32, 2453-2455.	1.8	8
4	Potential physical effects of suspended fine sediment on lotic macroinvertebrates. <i>Hydrobiologia</i> , 2020, 847, 697-711.	1.0	17
5	Monitoring soil erosion on agricultural land: results and implications for the Rother valley, West Sussex, UK. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3931-3942.	1.2	10
6	Later Prehistoric and Norse Communities in the Northern Isles: Multi-Proxy Environmental Investigations on Orkney. <i>Environmental Archaeology</i> , 2020, , 1-22.	0.6	0
7	Sediment source fingerprinting: benchmarking recent outputs, remaining challenges and emerging themes. <i>Journal of Soils and Sediments</i> , 2020, 20, 4160-4193.	1.5	124
8	Trace metal distribution in the bed, bank and suspended sediment of the Ravensbourne River and its implication for sediment monitoring in an urban river. <i>Journal of Soils and Sediments</i> , 2019, 19, 946-963.	1.5	12
9	A palaeoenvironmental study of particle size-specific connectivity—New insights and implications from the West Sussex Rother Catchment, United Kingdom. <i>River Research and Applications</i> , 2019, 35, 1192-1202.	0.7	8
10	Professor Geoffrey Petts (1953–2018): An outstanding interdisciplinary river scientist. <i>River Research and Applications</i> , 2019, 35, 1075-1090.	0.7	3
11	Off-site impacts of soil erosion and runoff: Why connectivity is more important than erosion rates. <i>Soil Use and Management</i> , 2019, 35, 245-256.	2.6	76
12	An analysis of potential controls on long-term ¹³⁷ Cs accumulation in the sediments of UK lakes. <i>Journal of Paleolimnology</i> , 2018, 60, 1-30.	0.8	8
13	Local gradient™ and between-site variability of erosion rate on badlands in the Karoo, South Africa. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 871-883.	1.2	4
14	The impact of catchment source group classification on the accuracy of sediment fingerprinting outputs. <i>Journal of Environmental Management</i> , 2017, 194, 16-26.	3.8	56
15	Did prehistoric and Roman mining and metallurgy have a significant impact on vegetation?. <i>Journal of Archaeological Science: Reports</i> , 2017, 11, 613-625.	0.2	16
16	Long-term studies of land degradation in the Sneeuberg uplands, eastern Karoo, South Africa: A synthesis. <i>Geomorphology</i> , 2017, 285, 106-120.	1.1	19
17	Sediment source fingerprinting for informing catchment management: Methodological approaches, problems and uncertainty. <i>Journal of Environmental Management</i> , 2017, 194, 1-3.	3.8	14
18	Can channel banks be the dominant source of fine sediment in a UK river?: an example using ¹³⁷ Cs to interpret sediment yield and sediment source. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 624-634.	1.2	9

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19	The complexities of measuring fine sediment accumulation within gravel-bed rivers. <i>River Research and Applications</i> , 2017, 33, 1575-1584.	0.7	23
20	Are source groups always appropriate when sediment fingerprinting? The direct comparison of source and sediment samples as a methodological step. <i>River Research and Applications</i> , 2017, 33, 1553-1563.	0.7	14
21	A comparison of conventional and ¹³⁷ Cs-based estimates of soil erosion rates on arable and grassland across lowland England and Wales. <i>Earth-Science Reviews</i> , 2017, 173, 49-64.	4.0	55
22	Sediment source fingerprinting as an aid to catchment management: A review of the current state of knowledge and a methodological decision-tree for end-users. <i>Journal of Environmental Management</i> , 2017, 194, 86-108.	3.8	201
23	Use of sediment source fingerprinting to assess the role of subsurface erosion in the supply of fine sediment in a degraded catchment in the Eastern Cape, South Africa. <i>Journal of Environmental Management</i> , 2017, 194, 27-41.	3.8	34
24	The scale problem in tackling diffuse water pollution from agriculture: Insights from the <sc>A</sc>von <sc>D</sc>emonstration <sc>T</sc>est <sc>C</sc>atchment programme in <sc>E</sc>ngland. <i>River Research and Applications</i> , 2017, 33, 1527-1538.	0.7	20
25	More rain, less soil: long-term changes in rainfall intensity with climate change. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 563-566.	1.2	72
26	The dynamics of sediment-associated contaminants over a transition from drought to multiple flood events in a lowland UK catchment. <i>Hydrological Processes</i> , 2016, 30, 704-719.	1.1	21
27	Preface: proceedings of the 13th IASWS international conference. <i>Journal of Soils and Sediments</i> , 2015, 15, 2347-2349.	1.5	0
28	A 13-year record of erosion on badland sites in the Karoo, South Africa. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1964-1981.	1.2	56
29	The application of sediment fingerprinting to floodplain and lake sediment cores: assumptions and uncertainties evaluated through case studies in the Nene Basin, UK. <i>Journal of Soils and Sediments</i> , 2015, 15, 2132-2154.	1.5	38
30	Conservatism of mineral magnetic signatures in farm dam sediments in the South African Karoo: the potential effects of particle size and post-depositional diagenesis. <i>Journal of Soils and Sediments</i> , 2015, 15, 2387-2397.	1.5	24
31	The uncertainties associated with sediment fingerprinting suspended and recently deposited fluvial sediment in the Nene river basin. <i>Geomorphology</i> , 2015, 228, 303-319.	1.1	109
32	Identifying evidence for past mining and metallurgy from a record of metal contamination preserved in an ombrotrophic mire near Leadhills, SW Scotland, UK. <i>Holocene</i> , 2014, 24, 1719-1730.	0.9	14
33	A 3300-year atmospheric metal contamination record from Raeburn Flow raised bog, south west Scotland. <i>Journal of Archaeological Science</i> , 2014, 44, 1-11.	1.2	36
34	The assumptions of science. <i>Earth-Science Reviews</i> , 2013, 127, 308-310.	4.0	17
35	Sediment yield changes in the semi-arid Karoo: a palaeoenvironmental reconstruction of sediments accumulating in Cranemere Reservoir, Eastern Cape, South Africa. <i>Zeitschrift für Geomorphologie</i> , 2012, 56, 131-146.	0.3	13
36	A reconstruction of historical changes in sediment sources, sediment transfer and sediment yield in a small, semi-arid Karoo catchment, semi-arid South Africa. <i>Zeitschrift für Geomorphologie</i> , 2012, 56, 87-100.	0.3	22

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37	CHANGING SEDIMENT YIELD AND SEDIMENT DYNAMICS IN THE KAROO UPLANDS, SOUTH AFRICA; POST-EUROPEAN IMPACTS. <i>Land Degradation and Development</i> , 2012, 23, 508-522.	1.8	50
38	What can we learn about soil erosion from the use of ¹³⁷ Cs?. <i>Earth-Science Reviews</i> , 2011, 108, 101-113.	4.0	159
39	The potential for paleolimnology to determine historic sediment delivery to rivers. <i>Journal of Paleolimnology</i> , 2011, 45, 287-306.	0.8	61
40	The potential significance of the breaching of small farm dams in the Sneeuberg region, South Africa. <i>Journal of Soils and Sediments</i> , 2011, 11, 1456-1465.	1.5	25
41	Environmental Stress and Landscape Recovery in a Semi-Arid Area, The Karoo, South Africa. <i>Scottish Geographical Journal</i> , 2010, 126, 64-75.	0.4	19
42	An integrated lake-catchment approach for determining sediment source changes at Aqualate Mere, Central England. <i>Journal of Paleolimnology</i> , 2009, 42, 215-232.	0.8	28
43	Soil erosion and risk-assessment for on- and off-farm impacts: A test case using the Midhurst area, West Sussex, UK. <i>Journal of Environmental Management</i> , 2009, 90, 2578-2588.	3.8	91
44	Ancient copper and lead pollution records from a raised bog complex in Central Wales, UK. <i>Journal of Archaeological Science</i> , 2009, 36, 1504-1515.	1.2	70
45	Sediment tracing and environmental history for two small catchments, Karoo Uplands, South Africa. <i>Geomorphology</i> , 2007, 90, 126-143.	1.1	104
46	Turbidity dynamics during spring storm events in an urban headwater river system: The Upper Tame, West Midlands, UK. <i>Science of the Total Environment</i> , 2006, 360, 109-126.	3.9	247
47	Suspended particulate matter (SPM) in rivers: empirical data and models. <i>Ecological Modelling</i> , 2005, 183, 251-267.	1.2	21
48	Sediment and phosphorus delivery from field to river via land drains in England and Wales. A risk assessment using field and national databases. <i>Soil Use and Management</i> , 2003, 19, 347-355.	2.6	18
49	Particulate phosphorus transport by sub-surface drainage from agricultural land in the UK. Environmental significance at the catchment and national scale. <i>Science of the Total Environment</i> , 2001, 266, 95-102.	3.9	52
50	The use of caesium-137 measurements to establish a sediment budget for the Start catchment, Devon, UK. <i>Hydrological Sciences Journal</i> , 1997, 42, 405-423.	1.2	82
51	Learning in small groups in university geography courses: designing a core module around group projects. <i>Journal of Geography in Higher Education</i> , 1996, 20, 167-180.	1.4	48
52	¹³⁷ Cs losses from a loamy surface water gleyed soil (Inceptisol); a laboratory simulation experiment. <i>Catena</i> , 1996, 26, 227-245.	2.2	40
53	“Water and environmental systems”™: achieving student-centred learning objectives with an undergraduate journal. <i>Journal of Geography in Higher Education</i> , 1996, 20, 45-54.	1.4	13
54	Control and independence strategies for large geography classes. <i>Journal of Geography in Higher Education</i> , 1994, 18, 245-262.	1.4	2

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55	Anthropogenic sediment traps and network dislocation in a lowland UK river. Earth Surface Processes and Landforms, 0, , .	1.2	5
56	Fine Particulate Sediment Transfers in Lowland Rural Environments. , 0, , 215-236.		2
57	SMART “ Sediment Mitigation Actions for the River Rother, UK. Proceedings of the International Association of Hydrological Sciences, 0, 375, 35-39.	1.0	2