

# Damian Lawler

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,625  
citations

218677  
26  
h-index

197818  
49  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2643  
citing authors

#	ARTICLE	IF	CITATIONS
1	The measurement of river bank erosion and lateral channel change: A review. <i>Earth Surface Processes and Landforms</i> , 1993, 18, 777-821.	2.5	323
2	RAINFALL SEASONALITY: DESCRIPTION, SPATIAL PATTERNS AND CHANGE THROUGH TIME. <i>Weather</i> , 1981, 36, 201-208.	0.7	322
3	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.	8.0	247
4	Downstream change in river bank erosion rates in the Swale-Ouse system, northern England. <i>Hydrological Processes</i> , 1999, 13, 977-992.	2.6	136
5	Linkages between atmospheric circulation, climate and streamflow in the northern North Atlantic: research prospects. <i>Progress in Physical Geography</i> , 2006, 30, 143-174.	3.2	113
6	Needle ice processes and sediment mobilization on river banks: the River Ilston, West Glamorgan, UK. <i>Journal of Hydrology</i> , 1993, 150, 81-114.	5.4	106
7	River Bank Erosion and the Influence of Frost: A Statistical Examination. <i>Transactions of the Institute of British Geographers</i> , 1986, 11, 227.	2.9	87
8	A New Technique for the Automatic Monitoring of Erosion and Deposition Rates. <i>Water Resources Research</i> , 1991, 27, 2125-2128.	4.2	81
9	Bank erosion events and processes in the Upper Severn basin. <i>Hydrology and Earth System Sciences</i> , 1997, 1, 523-534.	4.9	74
10	The importance of high-resolution monitoring in erosion and deposition dynamics studies: examples from estuarine and fluvial systems. <i>Geomorphology</i> , 2005, 64, 1-23.	2.6	66
11	Attacks on oil transport pipelines in Nigeria: A quantitative exploration and possible explanation of observed patterns. <i>Applied Geography</i> , 2012, 32, 636-651.	3.7	58
12	Longitudinal distributions of river flood power: the combined automated flood, elevation and stream power (CAFES) methodology. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 280-290.	2.5	56
13	Interannual to interdecadal variability of winter and summer southern African rainfall, and their teleconnections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6215-6239.	3.3	54
14	Advances in the continuous monitoring of erosion and deposition dynamics: Developments and applications of the new PEEP-3T system. <i>Geomorphology</i> , 2008, 93, 17-39.	2.6	51
15	Use of continuous turbidity sensor in the prediction of fine sediment transport in the turbidity maximum of the Trent Estuary, UK. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 58, 645-652.	2.1	48
16	Mountain Hydroclimatology and Snow Seasonality – Perspectives on climate impacts, snow seasonality and hydrological change in mountain environments. <i>Hydrological Processes</i> , 2009, 23, 955-961.	2.6	47
17	A systematic quality assessment of Environmental Impact Statements in the oil and gas industry. <i>Science of the Total Environment</i> , 2016, 572, 570-585.	8.0	47
18	Design and installation of a novel automatic erosion monitoring system. <i>Earth Surface Processes and Landforms</i> , 1992, 17, 455-463.	2.5	38

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19	The impact of cattle access on ecological water quality in streams: Examples from agricultural catchments within Ireland. <i>Science of the Total Environment</i> , 2016, 547, 17-29.	8.0	38
20	Measurement differences between turbidity instruments, and their implications for suspended sediment concentration and load calculations: A sensor inter-comparison study. <i>Journal of Environmental Management</i> , 2017, 199, 99-108.	7.8	38
21	Large-Scale Climatic Controls on New England River Flow. <i>Journal of Hydrometeorology</i> , 2007, 8, 367-379.	1.9	37
22	Influence of atmospheric circulation changes and regional climate variability on river flow and suspended sediment fluxes in southern Iceland. <i>Hydrological Processes</i> , 2003, 17, 3195-3223.	2.6	34
23	Application of a Novel Automatic Erosion and Deposition Monitoring System at a Channel Bank Site on the Tidal River Trent, U.K.. <i>Estuarine, Coastal and Shelf Science</i> , 2001, 53, 237-247.	2.1	31
24	Environmental Limits of Needle Ice: A Global Survey. <i>Arctic and Alpine Research</i> , 1988, 20, 137.	1.3	30
25	A simple and inexpensive turbidity meter for the estimation of suspended sediment concentrations. <i>Hydrological Processes</i> , 1992, 6, 159-168.	2.6	28
26	Regional classification, variability, and trends of northern North Atlantic river flow. <i>Hydrological Processes</i> , 2011, 25, 1021-1033.	2.6	27
27	From Synoptic to Interdecadal Variability in Southern African Rainfall: Toward a Unified View across Time Scales. <i>Journal of Climate</i> , 2018, 31, 5845-5872.	3.2	27
28	Measuring sediment exchange rates on an intertidal bank at Blacktoft, Humber Estuary, UK. <i>Science of the Total Environment</i> , 2003, 314-316, 535-549.	8.0	25
29	Evaluating interdiction of oil pipelines at river crossings using <sc>E</sc>nvironmental <sc>I</sc>mpact <sc>A</sc>ssessments. <i>Area</i> , 2014, 46, 4-17.	1.6	25
30	Interannual to Multi-decadal streamflow variability in West and Central Africa: Interactions with catchment properties and large-scale climate variability. <i>Global and Planetary Change</i> , 2019, 177, 141-156.	3.5	24
31	The complexities of measuring fine sediment accumulation within gravel-bed rivers. <i>River Research and Applications</i> , 2017, 33, 1575-1584.	1.7	23
32	IMPACT OF SUBGLACIAL GEOTHERMAL ACTIVITY ON MELTWATER QUALITY IN THE JÄ-KULS-Ä-SÄ-LHEIMASANDI SYSTEM, SOUTHERN ICELAND. <i>Hydrological Processes</i> , 1996, 10, 557-577.	2.6	22
33	Defining the moment of erosion: the principle of thermal consonance timing. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 1597-1615.	2.5	21
34	Further insights into the responses of macroinvertebrate species to burial by sediment. <i>Hydrobiologia</i> , 2018, 805, 399-411.	2.0	21
35	Near-term impacts of climate variability and change on hydrological systems in West and Central Africa. <i>Climate Dynamics</i> , 2020, 54, 2041-2070.	3.8	21
36	Sediment Inclusion Events During Needle Ice Growth: A Laboratory Investigation of the Role of Soil Moisture and Temperature Fluctuations. <i>Water Resources Research</i> , 1996, 32, 459-466.	4.2	19

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37	Cohesive Sediment Dynamics on an Inter-tidal Bank on the Tidal Trent, UK. Marine Pollution Bulletin, 1999, 37, 144-154.	5.0	19
38	SPECTROPHOTOMETRY   Turbidimetry and Nephelometry. , 2005, , 343-351.		19
39	Evaluating the relationship between biotic and sediment metrics using mesocosms and field studies. Science of the Total Environment, 2016, 568, 1092-1101.	8.0	19
40	Southern African summer-rainfall variability, and its teleconnections, on interannual to interdecadal timescales in CMIP5 models. Climate Dynamics, 2019, 53, 3505-3527.	3.8	19
41	Potential physical effects of suspended fine sediment on lotic macroinvertebrates. Hydrobiologia, 2020, 847, 697-711.	2.0	17
42	A bibliography of needle ice. Cold Regions Science and Technology, 1988, 15, 295-310.	3.5	15
43	Multidecadal climate variability over northern France during the past 500 years and its relation to large-scale atmospheric circulation. International Journal of Climatology, 2016, 36, 4679-4696.	3.5	15
44	Dynamics of erosion and deposition events on an intertidal mudbank at Burringham, River Trent, UK. Hydrological Processes, 1999, 13, 1155-1166.	2.6	13
45	Sediment and Solute Yield from the Jökulsá í Skaðheimasandi Glacierized River Basin, Southern Iceland. Glaciology and Quaternary Geology, 1991, , 303-332.	0.5	11
46	Pipeline interdiction and bridging in Nigeria: is a modification to the spatial connectivity matrix model required?. Journal of Transport Geography, 2011, 19, 179-184.	5.0	8
47	Turbidity, Turbidimetry, and Nephelometry. , 2016, , 152-152.		8
48	Downstream change in river bank erosion rates in the Swale-Ouse system, northern England. Hydrological Processes, 1999, 13, 977-992.	2.6	5
49	Towards the Implementation of SEA “ Learning from EIA for Water Resources. , 2005, , 495-511.		4
50	Numerical Modelling of Oil Spill Transport in Tide-Dominated Estuaries: A Case Study of Humber Estuary, UK. Journal of Marine Science and Engineering, 2021, 9, 1034.	2.6	3
51	SOME OBSERVATIONS ON NEEDLE ICE. Weather, 1989, 44, 406-409.	0.7	2
52	The link between glacier velocity and the drainage of ice-dammed lakes: Comment on a paper by knight and tweed. Hydrological Processes, 1994, 8, 447-456.	2.6	2
53	Assessing the Quality of Oil and Gas Project Environmental Impact Statements (EIS) – A Preface. , 2011, , .		1
54	New developments in process understanding and modelling in geomorphology: introduction and overview. Earth Surface Processes and Landforms, 2010, 35, 1247-1250.	2.5	0

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55	Towards Improved Fluvial Sediment Impact Assessment (FSIA) approaches within Environmental Impact Assessments. Hrvatski Geografski Glasnik, 2016, 77, 7-31.	0.3	0
56	Influence of projected climatic conditions and varying lateral points of release on oil slick transport in a tide-dominated estuary. Estuarine, Coastal and Shelf Science, 2021, 254, 107341.	2.1	0
57	Towards improved hypothesis testing in erosion-process research. , 1993, , 323-337.		0
58	Forecasting System for Predicting the Dynamics of Oil Spill in a Tide-Dominated Estuary. International Oil Spill Conference Proceedings, 2021, 2021, .	0.1	0