

# Simon J Carr

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,079  
citations

361296

20  
h-index

414303

32  
g-index

39  
all docs

39  
docs citations

39  
times ranked

880  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistance of salt marsh substrates to near-instantaneous hydrodynamic forcing. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 67-88.	1.2	21
2	Pore, live root and necromass quantification in complex heterogeneous wetland soils using X-ray computed tomography. <i>Geoderma</i> , 2021, 387, 114898.	2.3	14
3	Effect of vegetation cover and sediment type on 3D subsurface structure and shear strength in saltmarshes. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2279-2297.	1.2	15
4	A structure-function based approach to floc hierarchy and evidence for the non-fractal nature of natural sediment flocs. <i>Scientific Reports</i> , 2021, 11, 14012.	1.6	30
5	There is no such thing as "undisturbed" soil and sediment sampling: sampler-induced deformation of salt marsh sediments revealed by 3D X-ray computed tomography. <i>Journal of Soils and Sediments</i> , 2020, 20, 2960-2976.	1.5	9
6	Development of novel 2D and 3D correlative microscopy to characterise the composition and multiscale structure of suspended sediment aggregates. <i>Continental Shelf Research</i> , 2020, 200, 104112.	0.9	14
7	The Brecon Beacons. <i>World Geomorphological Landscapes</i> , 2020, , 553-566.	0.1	0
8	Sediment structure and physicochemical changes following tidal inundation at a large open coast managed realignment site. <i>Science of the Total Environment</i> , 2019, 660, 1419-1432.	3.9	15
9	Large-scale glaciectonic deformation in response to active ice sheet retreat across Dogger Bank (southern central North Sea) during the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2018, 179, 24-47.	1.4	27
10	Progressive ductile shearing during till accretion within the deforming bed of a palaeo-ice stream. <i>Quaternary Science Reviews</i> , 2018, 193, 1-23.	1.4	18
11	The impact of pre-restoration land-use and disturbance on sediment structure, hydrology and the sediment geochemical environment in restored saltmarshes. <i>Science of the Total Environment</i> , 2017, 587-588, 47-58.	3.9	40
12	Sub-particle-scale investigation of seepage in sands. <i>Soils and Foundations</i> , 2017, 57, 439-452.	1.3	17
13	Landscape evolution of Lundy Island: challenging the proposed MIS 3 glaciation of SW Britain. <i>Proceedings of the Geologists Association</i> , 2017, 128, 722-741.	0.6	5
14	Ice stream motion facilitated by a shallow-deforming and accreting bed. <i>Nature Communications</i> , 2016, 7, 10723.	5.8	61
15	A Younger Dryas plateau icefield in the Monadhliath, Scotland, and implications for regional palaeoclimate. <i>Quaternary Science Reviews</i> , 2015, 108, 139-162.	1.4	42
16	A comparison of micro-CT and thin section analysis of Lateglacial glaciolacustrine varves from Glen Roy, Scotland. <i>Quaternary Science Reviews</i> , 2015, 114, 61-77.	1.4	37
17	Shifting westerlies and precipitation patterns during the Late Pleistocene in southern Africa determined using glacier reconstruction and mass balance modelling. <i>Quaternary Science Reviews</i> , 2012, 55, 145-159.	1.4	66
18	Glacier reconstruction and mass balance modelling as a geomorphic and palaeoclimatic tool. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 1103-1115.	1.2	24

#	ARTICLE	IF	CITATIONS
19	10 MÅ½rdalsjÅ¶kull's Forefields Under the Microscope. The Micromorphology of Meltout and Subglacial Tills. <i>Developments in Quaternary Sciences</i> , 2010, 13, 159-180.	0.1	5
20	Recognition and palaeoclimatic implications of late Quaternary niche glaciation in eastern Lesotho. <i>Journal of Quaternary Science</i> , 2009, 24, 647-663.	1.1	44
21	Late quaternary moraines along the sekhokong range, eastern lesotho: contrasting the geomorphic history of northâ€and southâ€facing slopes. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2009, 91, 121-140.	0.6	21
22	Response to Wilson, P. (2008): â€œComment on Carr, S., and Coleman, C. (2007): An improved technique for the reconstruction of former glacier mass-balance and dynamics: <i>Geomorphology</i> 92, 76â€“90,â€• <i>Geomorphology</i> 99, 443â€“444. <i>Geomorphology</i> , 2009, 106, 383-384.	1.1	1
23	Modelling topoclimatic controls on palaeoglaciators: implications for inferring palaeoclimate from geomorphic evidence. <i>Quaternary Science Reviews</i> , 2009, 28, 249-259.	1.4	35
24	An improved technique for the reconstruction of former glacier mass-balance and dynamics. <i>Geomorphology</i> , 2007, 92, 76-90.	1.1	35
25	Role of particle size in tillâ€fabric characteristics: systematic variation in till fabric from Vestariâ€HagafellsjÅ¶kull, Iceland. <i>Boreas</i> , 2007, 36, 371-385.	1.2	19
26	The Last Glacial Maximum in the North Sea Basin: micromorphological evidence of extensive glaciation. <i>Journal of Quaternary Science</i> , 2006, 21, 131-153.	1.1	127
27	The North Sea basin. <i>Developments in Quaternary Sciences</i> , 2004, , 261-270.	0.1	21
28	Till fabric patterns and significance: particle response to subglacial stress. <i>Quaternary Science Reviews</i> , 2003, 22, 1415-1426.	1.4	95
29	Micromorphological criteria for discriminating subglacial and glacial marine sediments: evidence from a contemporary tidewater glacier, Spitsbergen. <i>Quaternary International</i> , 2001, 86, 71-79.	0.7	56
30	A glaciological approach for the discrimination of Loch Lomond Stadial glacial landforms in the Brecon Beacons, South Wales. <i>Proceedings of the Geologists Association</i> , 2001, 112, 253-262.	0.6	29
31	Micromorphological evidence supporting Late Weichselian glaciation of the Northern North Sea. <i>Boreas</i> , 2000, 29, 315-328.	1.2	41
32	The micromorphology of Last Glacial Maximum sediments in the Southern North Sea. <i>Catena</i> , 1999, 35, 123-145.	2.2	57
33	Thin-section production of diamicts; problems and solutions. <i>Journal of Sedimentary Research</i> , 1998, 68, 217-220.	0.8	36