

# Univ-Prof Daniel Paul Le Heron

## List of Publications by Year in descending order

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84  
papers

2,403  
citations

201674

27  
h-index

233421

45  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ancient glaciations and hydrocarbon accumulations in North Africa and the Middle East. <i>Earth-Science Reviews</i> , 2009, 93, 47-76.	9.1	142
2	Neoproterozoic iron formation: An evaluation of its temporal, environmental and tectonic significance. <i>Chemical Geology</i> , 2013, 362, 232-249.	3.3	134
3	First-order reconstructions of a Late Ordovician Saharan ice sheet. <i>Journal of the Geological Society</i> , 2008, 165, 19-29.	2.1	120
4	The origins of glacially related soft-sediment deformation structures in Upper Ordovician glaciogenic rocks: implication for ice-sheet dynamics. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 218, 75-103.	2.3	115
5	The palaeobiology and geochemistry of Precambrian hydrocarbon source rocks. <i>Marine and Petroleum Geology</i> , 2013, 40, 1-47.	3.3	113
6	Glaciation and deglaciation of the Libyan Desert: The Late Ordovician record. <i>Sedimentary Geology</i> , 2010, 223, 100-125.	2.1	77
7	Maximum extent of ice sheets in Morocco during the Late Ordovician glaciation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 245, 200-226.	2.3	76
8	Sedimentological perspectives on climatic, atmospheric and environmental change in the Neoproterozoic Era. <i>Sedimentology</i> , 2016, 63, 253-306.	3.1	75
9	440 Ma ice stream in North Africa. <i>Geology</i> , 2005, 33, 753.	4.4	67
10	A complex subglacial clastic dyke swarm, SÁ³lheimajÁ¶kull, southern Iceland. <i>Sedimentary Geology</i> , 2005, 181, 25-37.	2.1	65
11	A model for Cryogenian iron formation. <i>Earth and Planetary Science Letters</i> , 2016, 433, 280-292.	4.4	65
12	Late Ordovician glacial record of the Anti-Atlas, Morocco. <i>Sedimentary Geology</i> , 2007, 201, 93-110.	2.1	58
13	Late Ordovician glaciogenic reservoir heterogeneity: An example from the Murzuq Basin, Libya. <i>Marine and Petroleum Geology</i> , 2006, 23, 655-677.	3.3	55
14	Calculating ice volumes and ice flux to constrain the dimensions of a 440 Ma North African ice sheet. <i>Journal of the Geological Society</i> , 2009, 166, 277-281.	2.1	53
15	An interglacial on snowball Earth? Dynamic ice behaviour revealed in the Chuos Formation, Namibia. <i>Sedimentology</i> , 2013, 60, 411-427.	3.1	51
16	The significance of ice-rafted debris in Sturtian glacial successions. <i>Sedimentary Geology</i> , 2015, 322, 19-33.	2.1	45
17	Sea ice-free conditions during the Sturtian glaciation (early Cryogenian), South Australia. <i>Geology</i> , 2011, 39, 31-34.	4.4	40
18	Two Cryogenian glacial successions compared: Aspects of the Sturt and Elatina sediment records of South Australia. <i>Precambrian Research</i> , 2011, 186, 147-168.	2.7	36

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19	Glacitectonic deformation in the Chuos Formation of northern Namibia: implications for Neoproterozoic ice dynamics. <i>Proceedings of the Geologists Association</i> , 2013, 124, 778-789.	1.1	36
20	A diamictite dichotomy: Glacial conveyor belts and olistostromes in the Neoproterozoic of Death Valley, California, USA. <i>Geology</i> , 2017, 45, 31-34.	4.4	36
21	Black shale, grey shale, fossils and glaciers: Anatomy of the Upper Ordovician–Silurian succession in the Tazzeika Massif of eastern Morocco. <i>Gondwana Research</i> , 2008, 14, 483-496.	6.0	35
22	Neoproterozoic ice sheets and olistoliths: multiple glacial cycles in the Kingston Peak Formation, California. <i>Journal of the Geological Society</i> , 2014, 171, 525-538.	2.1	35
23	Bedforms and sedimentary structures related to supercritical flows in glaciogenic settings. <i>Sedimentology</i> , 2021, 68, 1539-1579.	3.1	35
24	An exhumed Paleozoic glacial landscape in Chad. <i>Geology</i> , 2018, 46, 91-94.	4.4	33
25	Glaciogenic reservoirs and hydrocarbon systems: an introduction. <i>Geological Society Special Publication</i> , 2012, 368, 1-28.	1.3	32
26	A Neoproterozoic ice advance sequence, Sperry Wash, California. <i>Sedimentology</i> , 2016, 63, 307-330.	3.1	29
27	Evolution of Mesozoic fluvial systems along the SE flank of the West Siberian Basin, Russia. <i>Sedimentary Geology</i> , 2008, 208, 45-60.	2.1	28
28	Bird’s-eye view of an Ediacaran subglacial landscape. <i>Geology</i> , 2019, 47, 705-709.	4.4	27
29	Neoproterozoic Re’Os systematics of organic-rich rocks in the São Francisco Basin, Brazil and implications for hydrocarbon exploration. <i>Precambrian Research</i> , 2014, 255, 355-366.	2.7	26
30	Evidence for Late Ordovician glaciation of Al Kufrah Basin, Libya. <i>Journal of African Earth Sciences</i> , 2010, 58, 354-364.	2.0	23
31	Sequencing the Sturtian icehouse: dynamic ice behaviour in South Australia. <i>Journal of the Geological Society</i> , 2014, 171, 443-456.	2.1	23
32	Microbial carbonates in space and time: introduction. <i>Geological Society Special Publication</i> , 2015, 418, 1-15.	1.3	23
33	Depositional architecture and sequence stratigraphic correlation of Upper Ordovician glaciogenic deposits, Illizi Basin, Algeria. <i>Geological Society Special Publication</i> , 2012, 368, 293-317.	1.3	22
34	Bolla Bollana boulder beds: A Neoproterozoic trough mouth fan in South Australia?. <i>Sedimentology</i> , 2014, 61, 978-995.	3.1	22
35	New perspectives on the Luoquan Glaciation (Ediacaran–Cambrian) of North China. <i>Depositional Record</i> , 2018, 4, 274-292.	1.7	22
36	The glaciotectonic deformation of Quaternary sediments by fault-propagation folding. <i>Proceedings of the Geologists Association</i> , 2010, 121, 270-280.	1.1	21

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37	Neoproterozoic ironstones in northern Namibia: Biogenic precipitation and Cryogenian glaciation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 369, 48-57.	2.3	20
38	Microbialite recovery in the aftermath of the Sturtian glaciation: Insights from the Rasthof Formation, Namibia. <i>Sedimentary Geology</i> , 2013, 294, 1-12.	2.1	20
39	Fjord network in Namibia: A snapshot into the dynamics of the late Paleozoic glaciation. <i>Geology</i> , 2021, 49, 1521-1526.	4.4	20
40	The Cryogenian record of glaciation and deglaciation in South Australia. <i>Sedimentary Geology</i> , 2012, 243-244, 57-69.	2.1	18
41	Pulsed iceberg delivery driven by Sturtian ice sheet dynamics: An example from Death Valley, California. <i>Sedimentology</i> , 2016, 63, 331-349.	3.1	18
42	Did lingering ice sheets moderate anoxia in the Early Palaeozoic of Libya?. <i>Journal of the Geological Society</i> , 2013, 170, 327-339.	2.1	17
43	Neoproterozoic "Devonian stratigraphic evolution of the eastern Murzuq Basin, Libya: a tale of tilting in the central Sahara. <i>Basin Research</i> , 2013, 25, 52-73.	2.7	16
44	Snowball Earth Under the Microscope. <i>Journal of Sedimentary Research</i> , 2018, 88, 659-677.	1.6	16
45	A window into the Great Unconformity: Insights from geochemistry and geochronology of Ediacaran glaciogenic rocks in the North China Craton. <i>Journal of Asian Earth Sciences</i> , 2020, 194, 104327.	2.3	16
46	Subglacial bedforms and landscapes formed by an ice sheet of Ediacaran-Cambrian age in west Henan, North China. <i>Precambrian Research</i> , 2020, 344, 105727.	2.7	16
47	Field-based investigations of an "Infracambrian" clastic succession in SE Libya and its bearing on the evolution of the Al Kufrah Basin. <i>Geological Society Special Publication</i> , 2009, 326, 193-210.	1.3	15
48	Indicators of relative completeness of the glacial record of the Port Askaig Formation, Garvellach Islands, Scotland. <i>Precambrian Research</i> , 2018, 319, 65-78.	2.7	15
49	Scratching the surface: Footprint of a late Carboniferous ice sheet. <i>Geology</i> , 2019, 47, 1034-1038.	4.4	15
50	Temperate glaciation on a Snowball Earth: Glaciological and palaeogeographic insights from the Cryogenian Yuermeinak Formation of NW China. <i>Precambrian Research</i> , 2019, 331, 105362.	2.7	15
51	Revisiting the Nantuo Formation in Shennongjia, South China: A new depositional model and multiple glacial cycles in the Cryogenian. <i>Precambrian Research</i> , 2021, 356, 106132.	2.7	15
52	The Jebel Hadid structure (Al Kufrah Basin, SE Libya) "A possible impact structure and potential hydrocarbon trap?. <i>Marine and Petroleum Geology</i> , 2009, 26, 310-318.	3.3	14
53	High resolution facies analysis and sequence stratigraphy of the Siluro-Devonian succession of Al Kufrah basin (SE Libya). <i>Journal of African Earth Sciences</i> , 2012, 76, 8-26.	2.0	13
54	Neoproterozoic deglacial sediments and their hydrocarbon source rock potential. <i>Geological Society Special Publication</i> , 2012, 368, 381-393.	1.3	13

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55	Early Palaeozoic evolution of Libya: perspectives from Jabal El Ghei with implications for hydrocarbon exploration in Al Kufrah Basin. <i>Basin Research</i> , 2015, 27, 60-83.	2.7	13
56	The Laurentian Neoproterozoic Glacial Interval: reappraising the extent and timing of glaciation. <i>Austrian Journal of Earth Sciences</i> , 2020, 113, 59-70.	0.5	13
57	The Hirnantian glacial landsystem of the Sahara: a meltwater-dominated system. <i>Geological Society Memoir</i> , 2016, 46, 509-516.	1.7	12
58	Ice-rafted dropstones in postglacial Cryogenian cap carbonates. <i>Geology</i> , 2021, 49, 263-267.	4.4	12
59	Interpretation of Late Ordovician glaciogenic reservoirs from 3-D seismic data: an example from the Murzuq Basin, Libya. <i>Geological Magazine</i> , 2010, 147, 28-41.	1.5	10
60	Sandstones, glaciers, burrows and transgressions: The Lower Palaeozoic of Jabel az-Zalmah, Al Kufrah Basin, Libya. <i>Sedimentary Geology</i> , 2012, 245-246, 63-75.	2.1	10
61	<i>Normalograptus kufraensis</i> , a new species of graptolite from the western margin of the Kufra Basin, Libya. <i>Geological Magazine</i> , 2013, 150, 743-755.	1.5	10
62	The Early Palaeozoic Glacial Deposits of Gondwana. , 2018, , 47-73.		10
63	Sediment deformation and production beneath soft-bedded Palaeozoic ice sheets. <i>Sedimentary Geology</i> , 2020, 408, 105761.	2.1	10
64	Birth and evolution of a Cryogenian basin: Glaciation, rifting and sedimentation in the Vorogovka Basin, Siberia. <i>Sedimentology</i> , 2016, 63, 498-522.	3.1	9
65	Cryptic climatic signatures and tectonic controls on Cryogenian diamictites in the NW Tarim Craton, China. <i>Journal of the Geological Society</i> , 2018, 175, 642-658.	2.1	9
66	Development of a palaeovalley complex on a Late Ordovician glaciated margin in NW Saudi Arabia. <i>Geological Society Special Publication</i> , 2019, 475, 81-107.	1.3	9
67	The Cryogenian record in the southern Kingston Range, California: The thickest Death Valley succession in the hunt for a GSSP. <i>Precambrian Research</i> , 2018, 319, 158-172.	2.7	8
68	A slippery slope for Cryogenian diamictites?. <i>Depositional Record</i> , 2019, 5, 306-321.	1.7	8
69	The Late Palaeozoic Ice Age unconformity in southern Namibia viewed as a patchwork mosaic. <i>Depositional Record</i> , 2022, 8, 419-435.	1.7	8
70	Trace fossils on a Late Ordovician glacially striated pavement in Algeria. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 297, 138-143.	2.3	7
71	Influence of microbial framework on Cryogenian microbial facies, Rasthof Formation, Namibia. <i>Geological Society Special Publication</i> , 2015, 418, 111-122.	1.3	6
72	A eukaryote assemblage intercalated with Marinoan glacial deposits in South Australia. <i>Journal of the Geological Society</i> , 2016, 173, 560-568.	2.1	6

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73	Precambrian olistoliths masquerading as sills from Death Valley, California. <i>Journal of the Geological Society</i> , 2018, 175, 377-395.	2.1	6
74	The Location and Styles of Ice-Free "Oases" during Neoproterozoic Glaciations with Evolutionary Implications. <i>Geosciences (Switzerland)</i> , 2012, 2, 90-108.	2.2	5
75	The search for "hot shales"™ in the western Kufra Basin, Libya: geochemical and mineralogical characterisation of outcrops, and insights into latest Ordovician climate. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	5
76	A tale of two rift shoulders, and two ice masses: the Cryogenian glaciated margin of Death Valley, California. <i>Geological Society Special Publication</i> , 2019, 475, 35-52.	1.3	5
77	Glaciers, flows, and fans: Origins of a Neoproterozoic diamictite in the Saratoga Hills, Death Valley, California. <i>Sedimentary Geology</i> , 2019, 385, 79-95.	2.1	5
78	Reassessing classic evidence for warm-based Cryogenian ice on the western Laurentian margin: The "cestriated pavement" of the Mineral Fork Formation, USA. <i>Precambrian Research</i> , 2021, 363, 106345.	2.7	5
79	Styles, origins and implications of syndepositional deformation structures in Ediacaran microbial carbonates (Nama Basin, Namibia). <i>Geological Society Special Publication</i> , 2015, 418, 87-109.	1.3	4
80	The glacier-influenced marine record on high-latitude continental margins: synergies between modern, Quaternary and ancient evidence. <i>Geological Society Special Publication</i> , 2019, 475, 261-279.	1.3	4
81	Late Ordovician glaciogenic reservoir heterogeneity. , 2012, , 452-489.		3
82	An introduction to glaciated margins: the sedimentary and geophysical archive. <i>Geological Society Special Publication</i> , 2019, 475, 1-8.	1.3	3
83	Rapid geomorphological and sedimentological changes at a modern Alpine ice margin: lessons from the Gepatsch Glacier, Tirol, Austria. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	1
84	Erratum for Le Heron & Dowdeswell, <i>Journal of the Geological Society</i> , London, 166 (2) 277-281. Calculating ice volumes and ice flux to constrain the dimensions of a 440 Ma North African ice sheet. <i>Journal of the Geological Society</i> , 2009, 166, 825-825.	2.1	0