

# Paul M Myrow

## List of Publications by Year in descending order

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83  
papers

4,704  
citations

101543

36  
h-index

95266

68  
g-index

83  
all docs

83  
docs citations

83  
times ranked

2716  
citing authors

#	ARTICLE	IF	CITATIONS
1	A candidate stratotype for the Precambrian–Cambrian boundary, Fortune Head, Burin Peninsula, southeastern Newfoundland. <i>Canadian Journal of Earth Sciences</i> , 1987, 24, 1277-1293.	1.3	263
2	Dodging snowballs: Geochronology of the Gaskiers glaciation and the first appearance of the Ediacaran biota. <i>Geology</i> , 2016, 44, 955-958.	4.4	241
3	Integrated tectonostratigraphic analysis of the Himalaya and implications for its tectonic reconstruction. <i>Earth and Planetary Science Letters</i> , 2003, 212, 433-441.	4.4	236
4	Extraordinary transport and mixing of sediment across Himalayan central Gondwana during the Cambrian-Ordovician. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1660-1670.	3.3	232
5	Provenance of Neoproterozoic and lower Paleozoic siliciclastic rocks of the central Ross orogen, Antarctica: Detrital record of rift-, passive-, and active-margin sedimentation. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 1253.	3.3	198
6	Correlation of Precambrian–Cambrian sedimentary successions across northern India and the utility of isotopic signatures of Himalayan lithotectonic zones. <i>Earth and Planetary Science Letters</i> , 2011, 312, 471-483.	4.4	196
7	A Positive Test of East Antarctica–Laurentia Juxtaposition Within the Rodinia Supercontinent. <i>Science</i> , 2008, 321, 235-240.	12.6	167
8	Wave-Modified Turbidites: Combined-Flow Shoreline and Shelf Deposits, Cambrian, Antarctica. <i>Journal of Sedimentary Research</i> , 2002, 72, 641-656.	1.6	147
9	Stratigraphic correlation of Cambrian–Ordovician deposits along the Himalaya: Implications for the age and nature of rocks in the Mount Everest region. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 323-332.	3.3	141
10	The Placentian Series: appearance of the oldest skeletalized faunas in southeastern Newfoundland. <i>Journal of Paleontology</i> , 1989, 63, 739-769.	0.8	139
11	Trilobites and zircons link north China with the eastern Himalaya during the Cambrian. <i>Geology</i> , 2011, 39, 591-594.	4.4	136
12	Pot and gutter casts from the Chapel Island Formation, Southeast Newfoundland. <i>Journal of Sedimentary Research</i> , 1992, 62, 992-1007.	1.6	133
13	New age constraints for the Proterozoic Aravalli–Delhi successions of India and their implications. <i>Precambrian Research</i> , 2013, 238, 120-128.	2.7	133
14	Burrowing below the basal Cambrian GSSP, Fortune Head, Newfoundland. <i>Geological Magazine</i> , 2001, 138, 213-218.	1.5	130
15	Ediacaran matground ecology persisted into the earliest Cambrian. <i>Nature Communications</i> , 2014, 5, 3544.	12.8	111
16	Flat-pebble conglomerate: its multiple origins and relationship to metre-scale depositional cycles. <i>Sedimentology</i> , 2004, 51, 973-996.	3.1	109
17	Biotic replacement and mass extinction of the Ediacara biota. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151003.	2.6	103
18	Cambrian biostratigraphy of the Tal Group, Lesser Himalaya, India, and early Tsanglangpuan (late early) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	100

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19	Deposits from Wave-Influenced Turbidity Currents: Pennsylvanian Minturn Formation, Colorado, U.S.A.. <i>Journal of Sedimentary Research</i> , 2008, 78, 480-498.	1.6	93
20	Cambrian stratigraphy and depositional history of the northern Indian Himalaya, Spiti Valley, north-central India. <i>Bulletin of the Geological Society of America</i> , 2006, 118, 491-510.	3.3	92
21	Plate tectonic influences on Neoproterozoic–early Paleozoic climate and animal evolution. <i>Geology</i> , 2014, 42, 127-130.	4.4	86
22	A newly discovered cap carbonate above Varanger-age glacial deposits in Newfoundland, Canada. <i>Journal of Sedimentary Research</i> , 1999, 69, 784-793.	1.6	79
23	Depositional history of pre-Devonian strata and timing of Ross orogenic tectonism in the central Transantarctic Mountains, Antarctica. <i>Bulletin of the Geological Society of America</i> , 2002, 114, 1070-1088.	3.3	77
24	High-precision U–Pb age and duration of the latest Devonian (Famennian) Hangenberg event, and its implications. <i>Terra Nova</i> , 2014, 26, 222-229.	2.1	69
25	Cambrian–Ordovician orogenesis in Himalayan equatorial Gondwana. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1679-1695.	3.3	67
26	Lowermost Cambrian Ichnofabrics from the Chapel Island Formation, Newfoundland: Implications for Cambrian Substrates. <i>Palaios</i> , 2002, 17, 3-15.	1.3	62
27	Cambrian rocks and faunas of the Wachi La, Black Mountains, Bhutan. <i>Geological Magazine</i> , 2011, 148, 351-379.	1.5	59
28	Shallow-water gravity-flow deposits, Chapel Island Formation, southeast Newfoundland, Canada. <i>Sedimentology</i> , 1991, 38, 935-959.	3.1	55
29	Himalayan Cambrian brachiopods. <i>Papers in Palaeontology</i> , 2015, 1, 345-399.	1.5	52
30	The Tethyan Himalaya: palaeogeographical and tectonic constraints from Ordovician palaeomagnetic data. <i>Journal of the Geological Society</i> , 2009, 166, 679-687.	2.1	51
31	Dynamics of a Transgressive Prodeltaic System: Implications for Geography and Climate Within a Pennsylvanian Intracratonic Basin, Colorado, U.S.A.. <i>Journal of Sedimentary Research</i> , 2008, 78, 512-528.	1.6	48
32	Neogene marine isotopic evolution and the erosion of Lesser Himalayan strata: Implications for Cenozoic tectonic history. <i>Earth and Planetary Science Letters</i> , 2015, 417, 142-150.	4.4	48
33	Precambrian–Cambrian boundary interval occurrence and form of the enigmatic tubular body fossil <i>Sphaerocylindroides ningqiangensis</i> from the Lesser Himalaya of India. <i>Palaeontology</i> , 2014, 57, 283-298.	2.2	45
34	Fallen arches: Dispelling myths concerning Cambrian and Ordovician paleogeography of the Rocky Mountain region. <i>Bulletin of the Geological Society of America</i> , 2003, 115, 695-713.	3.3	44
35	Travertine deposits from along the South Tibetan Fault System near Nyalam, Tibet. <i>Geological Magazine</i> , 2008, 145, 753-765.	1.5	38
36	Rapid sea level rise in the aftermath of a Neoproterozoic snowball Earth. <i>Science</i> , 2018, 360, 649-651.	12.6	37

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37	Bedform Disequilibrium. <i>Journal of Sedimentary Research</i> , 2018, 88, .	1.6	37
38	A chondrophorine (medusoid hydrozoan) from the basal Cambrian (Placentian) of Newfoundland. <i>Journal of Paleontology</i> , 1991, 65, 186-191.	0.8	36
39	Stable isotope geochemistry and palynology of the late Precambrian to Early Cambrian sequence in Newfoundland. <i>Canadian Journal of Earth Sciences</i> , 1992, 29, 1662-1673.	1.3	35
40	Origin of giant wave ripples in snowball Earth cap carbonate. <i>Geology</i> , 2012, 40, 827-830.	4.4	35
41	A carbon isotopic and sedimentological record of the latest Devonian (Famennian) from the Western U.S. and Germany. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 306, 147-159.	2.3	34
42	Depositional history and sequence stratigraphy of the Precambrian-Cambrian boundary stratotype section, Chapel Island Formation, southeast Newfoundland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1993, 104, 13-35.	2.3	33
43	Zircon (U-Th)/He Thermochronometric Constraints on Himalayan Thrust Belt Exhumation, Bedrock Weathering, and Cenozoic Seawater Chemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 257-271.	2.5	29
44	Cambrian Trilobites from the Parahio and Zanskar Valleys, Indian Himalaya. <i>Journal of Paleontology</i> , 2009, 83, 1-95.	0.8	28
45	Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 1095-1114.	3.3	28
46	Wavelength selection and symmetry breaking in orbital wave ripples. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 2239-2257.	2.8	27
47	Latest Devonian (Famennian) global events in western Laurentia: Variations in the carbon isotopic record linked to diagenetic alteration below regionally extensive unconformities. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 386, 194-209.	2.3	26
48	Age and implications of the phosphatic Birmania Formation, Rajasthan, India. <i>Precambrian Research</i> , 2015, 267, 164-173.	2.7	25
49	Mixed Siliciclastic-Carbonate Upward-Deepening Cycles of the Upper Cambrian Inner Detrital Belt of Laurentia. <i>Journal of Sedimentary Research</i> , 2012, 82, 216-231.	1.6	24
50	Ancient record of changing flows from wave ripple defects. <i>Geology</i> , 2018, 46, 875-878.	4.4	24
51	Late Mesoproterozoic to early Neoproterozoic organic-walled microfossils from the Madhubani Group of the Ganga Valley, northern India. <i>Palaeontology</i> , 2017, 60, 869-891.	2.2	21
52	Organic-walled microfossils from the Ediacaran-Cambrian boundary stratotype section, Chapel Island and Random formations, Burin Peninsula, Newfoundland, Canada: Global correlation and significance for the evolution of early complex ecosystems. <i>Geological Journal</i> , 2018, 53, 1728-1742.	1.3	20
53	Ordovician-Silurian boundary strata of the Indian Himalaya: Record of the latest Ordovician Boda event. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 881-898.	3.3	20
54	Cambrian microfossils from the Tethyan Himalaya. <i>Journal of Paleontology</i> , 2016, 90, 10-30.	0.8	19

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55	Biostratigraphic and detrital zircon age constraints on the basement of the Himalayan Foreland Basin: Implications for a Proterozoic link to the Lesser Himalaya and cratonic India. <i>Terra Nova</i> , 2016, 28, 419-426.	2.1	18
56	Reconstructing the Himalayan margin prior to collision with Asia: Proterozoic and lower Paleozoic geology and its implications for Cenozoic tectonics. <i>Geological Society Special Publication</i> , 2019, 483, 39-64.	1.3	17
57	Depositional Controls on the Ichnology of Ordovician Wave-dominated Marine Facies: New Evidence from the Shirgesht Formation, Central Iran. <i>Acta Geologica Sinica</i> , 2016, 90, 1572-1597.	1.4	16
58	Brachiopods from the Byrd Group (Cambrian Series 2, Stage 4) Central Transantarctic Mountains, East Antarctica: biostratigraphy, phylogeny and systematics. <i>Papers in Palaeontology</i> , 2020, 6, 349-383.	1.5	15
59	Paleostratigraphic analysis of calcite twins across the Cambrian-Ordovician unconformity in the Tethyan Himalaya, Spiti and Zaskar valley regions, India. <i>Journal of Asian Earth Sciences</i> , 2007, 31, 44-54.	2.3	13
60	The first systematic description of Cambrian fossils from Myanmar: Late Furongian trilobites from the southern part of the Shan State and the early Palaeozoic palaeogeographical affinities of Sibumasu. <i>Journal of Asian Earth Sciences</i> , 2021, 214, 104775.	2.3	11
61	Infaunal augurs of the Cambrian explosion: An Ediacaran trace fossil assemblage from Nevada, USA. <i>Geobiology</i> , 2020, 18, 486-496.	2.4	10
62	Pot and gutter casts from the Chapel Island Formation, Southeast Newfoundland; discussion and reply. <i>Journal of Sedimentary Research</i> , 1994, 64, 706-709.	1.6	9
63	Estimates of large magnitude Late Cambrian earthquakes from seismogenic soft-sediment deformation structures: Central Rocky Mountains. <i>Sedimentology</i> , 2015, 62, 621-644.	3.1	9
64	Sedimentology, stratigraphy, and detrital zircon geochronology of Mesoproterozoic strata in the northern Helan Mountains, western margin of the North China Block. <i>Precambrian Research</i> , 2020, 343, 105730.	2.7	8
65	PASSIVE TRANSGRESSION: REMARKABLE PRESERVATION AND SPATIAL DISTRIBUTION OF UPPERMOST DEVONIAN (FAMENNIAN) MARGINAL AND NEARSHORE MARINE FACIES AND FAUNA OF WESTERN LAURENTIA. <i>Palaios</i> , 2015, 30, 490-502.	1.3	7
66	Satunarcus, a new late Cambrian trilobite genus from southernmost Thailand and a reevaluation of the subfamily Mansuyiinae Hupé, 1955. <i>Journal of Paleontology</i> , 2020, 94, 867-880.	0.8	7
67	Investigating the response of wave-generated ripples to changes in wave forcing. <i>Geomorphology</i> , 2020, 363, 107229.	2.6	7
68	Wave-Created Mud Suspensions: A Theoretical Study. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 29.	2.6	5
69	Middle Ordovician mass-transport deposits from western Inner Mongolia, China: Mechanisms and implications for basin evolution. <i>Sedimentology</i> , 2022, 69, 1301-1338.	3.1	5
70	Experimental Investigations of Combined Flow Sediment Transport. <i>Journal of Sedimentary Research</i> , 2019, 89, 808-814.	1.6	4
71	Adaptive function and phylogenetic significance of novel skeletal features of a new Devonian microconchid tubeworm ( <i>Tentaculita</i> ) from Wyoming, USA. <i>Journal of Paleontology</i> , 2022, 96, 112-126.	0.8	4
72	Tonian deltaic and storm-influenced marine sedimentation on the edge of Laurentia: The Veteranen Group of northeastern Spitsbergen, Svalbard. <i>Sedimentary Geology</i> , 2021, 426, 106011.	2.1	4

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73	Microspores, megaspores, palynofacies, and depositional history of the upper Givetian Maywood Formation, Northern Wyoming, USA. <i>Review of Palaeobotany and Palynology</i> , 2022, 299, 104604.	1.5	4
74	Reply to comment on "New age constraints for the Proterozoic Aravalli" Delhi successions of India and their implications" by Melezhik et al. [ <i>Precambrian Res.</i> (2014)]. <i>Precambrian Research</i> , 2014, 246, 371-372.	2.7	3
75	Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton: Reply. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 446-448.	3.3	3
76	Preliminary palynological study of the Upper Ordovician Pin Formation in northern Indian Himalaya. <i>Palynology</i> , 2021, 45, 301-319.	1.5	3
77	Cambrian and earliest Ordovician fauna and geology of the S'ng ' and adjacent terranes in Vi' Nam (Vietnam). <i>Geological Magazine</i> , 0, , 1-26.	1.5	2
78	Subsidence and drowning of a carbonate platform in south-central Mongolia (Gobi Altai region) during the late Eifelian to early Givetian: A synthesis of conodont data, magnetic susceptibility, and paleoecology. <i>Journal of Asian Earth Sciences</i> , 2016, 115, 204-213.	2.3	1
79	The Oligocene-Miocene Guadalope-Matarranya Fan, Spain, as an Analog for Long-Lived, Ridge-Bearing Megafans on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006993.	3.6	1
80	Geology Consortium Project Reports. <i>Eos</i> , 1989, 70, 598.	0.1	0
81	Lamb Receives 2012 Luna B. Leopold Young Scientist Award: Citation. <i>Eos</i> , 2013, 94, 333-333.	0.1	0
82	Storms and Storm Deposits. , 2020, , 932-941.		0
83	Tectonics of the Indian Subcontinent by Arvind K. Jain , Dhiraj M. Banerjee , and Vivek S. Kale ; Springer Nature, Switzerland; 2020; ISBN 978-3-030-42844-0. <i>Geological Magazine</i> , 0, , 1-2.	1.5	0