

# Charles H Wellman

## List of Publications by Year in descending order

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64  
papers

3,914  
citations

218592

26  
h-index

128225

60  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low tropical diversity during the adaptive radiation of early land plants. <i>Nature Plants</i> , 2022, 8, 104-109.	4.7	12
2	Early land plant phytodebris. <i>Geological Society Special Publication</i> , 2021, 511, 309-320.	0.8	12
3	The Devonian landscape factory: plant-sediment interactions in the Old Red Sandstone of Svalbard and the rise of vegetation as a biogeomorphic agent. <i>Journal of the Geological Society</i> , 2021, 178, .	0.9	20
4	A possible billion-year-old holozoan with differentiated multicellularity. <i>Current Biology</i> , 2021, 31, 2658-2665.e2.	1.8	9
5	The Nonesuch Formation Lagerstätte: a rare window into freshwater life one billion years ago. <i>Journal of the Geological Society</i> , 2021, 178, .	0.9	12
6	Pellicle ultrastructure demonstrates that <i>Moyeria</i> is a fossil euglenid. <i>Palynology</i> , 2020, 44, 461-471.	0.7	10
7	Colonial palynomorphs from the Upper Ordovician of north-eastern Iran: thalli, coenobial Chlorophyceae (Hydrodictyaceae) or cyanobacteria?. <i>Palynology</i> , 2020, 44, 575-585.	0.7	10
8	Mid-Devonian Archaeopteris Roots Signal Revolutionary Change in Earliest Fossil Forests. <i>Current Biology</i> , 2020, 30, 421-431.e2.	1.8	68
9	Filamentous green algae from the Early Devonian Rhynie chert. <i>Palaontologische Zeitschrift</i> , 2019, 93, 387-393.	0.8	11
10	An endemic flora of dispersed spores from the Middle Devonian of Iberia. <i>Papers in Palaeontology</i> , 2019, 5, 415-459.	0.7	6
11	Palaeontology: The Rhynie Chert Is the Gift that Keeps on Giving. <i>Current Biology</i> , 2019, 29, R93-R95.	1.8	6
12	The timescale of early land plant evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2274-E2283.	3.3	654
13	The Interrelationships of Land Plants and the Nature of the Ancestral Embryophyte. <i>Current Biology</i> , 2018, 28, 733-745.e2.	1.8	398
14	A key for the identification of cryptospores. <i>Palynology</i> , 2018, 42, 492-503.	0.7	6
15	Palaeoecology and palaeophytogeography of the Rhynie chert plants: further evidence from integrated analysis of in situ and dispersed spores. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160491.	1.8	20
16	Dinosaur-plant interactions within a Middle Jurassic ecosystem-palynology of the Burniston Bay dinosaur footprint locality, Yorkshire, UK. <i>Palaeobiodiversity and Palaeoenvironments</i> , 2018, 98, 139-151.	0.6	8
17	Reply to Hedges et al.: Accurate timetrees do indeed require accurate calibrations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9512-E9513.	3.3	15
18	Discussion on Tectonic and environmental controls on Palaeozoic fluvial environments: reassessing the impacts of early land plants on sedimentation. <i>Journal of the Geological Society</i> , London, <a href="https://doi.org/10.1144/jgs2016-063">https://doi.org/10.1144/jgs2016-063</a> . <i>Journal of the Geological Society</i> , 2017, 174, 947-950.	0.9	30

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19	Middle Ordovician acritarchs and problematic organic-walled microfossils from the Saq-Hanadir transitional beds in the QSIM-801 well, Saudi Arabia. <i>Revue De Micropaleontologie</i> , 2017, 60, 289-318.	0.8	14
20	Middle Ordovician cryptospores from the Saq-Hanadir transitional beds in the QSIM-801 well, Saudi Arabia. <i>Revue De Micropaleontologie</i> , 2017, 60, 319-331.	0.8	8
21	Episodic river flooding events revealed by palynological assemblages in Jurassic deposits of the Brent Group, North Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 389-400.	1.0	21
22	Palynology of the Middle Ordovician Hawaz Formation in the Murzuq Basin, south-west Libya. <i>Palynology</i> , 2017, 41, 31-56.	0.7	11
23	Palaeoecology of a billion-year-old non-marine cyanobacterium from the Torridon Group and Nonesuch Formation. <i>Palaeontology</i> , 2016, 59, 89-108.	1.0	34
24	Cryptospores from the Katian (Upper Ordovician) of the Tungus basin: The first evidence for early land plants from the Siberian paleocontinent. <i>Review of Palaeobotany and Palynology</i> , 2016, 224, 4-13.	0.8	18
25	Middle Jurassic vegetation dynamics based on quantitative analysis of spore/pollen assemblages from the Ravenscar Group, North Yorkshire, UK. <i>Palaeontology</i> , 2016, 59, 305-328.	1.0	15
26	The terrestrial biota prior to the origin of land plants (embryophytes): a review of the evidence. <i>Palaeontology</i> , 2015, 58, 601-627.	1.0	117
27	Morphology and wall ultrastructure of a new and highly distinctive megaspore from the Middle Jurassic of Yorkshire, UK. <i>Review of Palaeobotany and Palynology</i> , 2015, 216, 33-43.	0.8	12
28	A quantitative comparison of dispersed spore/pollen and plant megafossil assemblages from a Middle Jurassic plant bed from Yorkshire, UK. <i>Paleobiology</i> , 2015, 41, 640-660.	1.3	25
29	Investigating Devonian trees as geo-engineers of past climates: linking palaeosols to palaeobotany and experimental geobiology. <i>Palaeontology</i> , 2015, 58, 787-801.	1.0	66
30	Spore assemblages from Upper Ordovician and lowermost Silurian sediments recovered from the Qusaiba-1 shallow core hole, Qasim region, central Saudi Arabia. <i>Review of Palaeobotany and Palynology</i> , 2015, 212, 111-126.	0.8	33
31	The nature and evolutionary relationships of the earliest land plants. <i>New Phytologist</i> , 2014, 202, 1-3.	3.5	17
32	Early Terrestrialization: Transition from Algal to Bryophyte Grade. <i>Advances in Photosynthesis and Respiration</i> , 2014, 9-28.	1.0	13
33	Devonian spores from an intra-oceanic volcanic arc, West Junggar (Xinjiang, China) and the palaeogeographical significance of the associated fossil plant beds. <i>Review of Palaeobotany and Palynology</i> , 2014, 206, 10-22.	0.8	23
34	Spore assemblages from the Lower Devonian 'Lower Old Red Sandstone' deposits of the Northern Highlands of Scotland: the Berriedale Outlier. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2014, 105, 227-238.	0.3	6
35	Reproductive Organs and In Situ Spores of <i>Asteroxylon mackiei</i> Kidston & Lang, the Most Complex Plant from the Lower Devonian Rhynie Chert. <i>International Journal of Plant Sciences</i> , 2013, 174, 293-308.	0.6	32
36	Resistance of Filamentous Chlorophycean, Ulvophycean, and Xanthophycean Algae to Acetolysis: Testing Proterozoic and Paleozoic Microfossil Attributions. <i>International Journal of Plant Sciences</i> , 2013, 174, 947-957.	0.6	22

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37	Chapter 29 Palaeophytogeography of Ordovician–Silurian land plants. Geological Society Memoir, 2013, 38, 461-476.	0.9	44
38	A timeline for terrestrialization: consequences for the carbon cycle in the Palaeozoic. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 519-536.	1.8	227
39	Spore assemblages from the Lower Devonian Xujiachong Formation from Qujing, Yunnan, China. Palaeontology, 2012, 55, 583-611.	1.0	20
40	Earth's earliest non-marine eukaryotes. Nature, 2011, 473, 505-509.	13.7	153
41	Wall ultrastructure in three species of the dispersed spore <i>Emphanisporites</i> from the Early Devonian. Review of Palaeobotany and Palynology, 2011, 163, 264-280.	0.8	16
42	The invasion of the land by plants: when and where?. New Phytologist, 2010, 188, 306-309.	3.5	64
43	Palaeogeographic and palaeoclimatic considerations based on Ordovician to Lochkovian vegetation. Geological Society Special Publication, 2010, 339, 49-58.	0.8	16
44	Spore assemblages from the Lower Devonian –Lower Old Red Sandstone– deposits of Arran, Scotland. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2009, 100, 391-397.	0.3	1
45	Morphology and wall ultrastructure of the megaspore <i>Lagenicula (Triletes) mixta</i> (Winslow 1962) comb. nov. from the Carboniferous (Early Mississippian: mid Tournaisian) of Ohio, USA. Review of Palaeobotany and Palynology, 2009, 156, 51-61.	0.8	5
46	Studies of spore/pollen wall ultrastructure in fossil and living plants: A review of the subject area and the contribution of Bernard Lugardon. Review of Palaeobotany and Palynology, 2009, 156, 2-6.	0.8	5
47	ULTRASTRUCTURE OF DISPERSED AND <i>IN SITU</i> SPECIMENS OF THE DEVONIAN SPORE <i>RHABDOSPORITES LANGII</i> : EVIDENCE FOR THE EVOLUTIONARY RELATIONSHIPS OF PROGYMNOSPERMS. Palaeontology, 2009, 52, 139-167.	1.0	15
48	Origin and Radiation of the Earliest Vascular Land Plants. Science, 2009, 324, 353-353.	6.0	224
49	Palaeophytogeographical and palaeoecological implications of a miospore assemblage of earliest Devonian (Lochkovian) age from Saudi Arabia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 250, 237-254.	1.0	39
50	Early to Middle Devonian miospores from northern Saudi Arabia. Revue De Micropaleontologie, 2007, 50, 27-57.	0.8	49
51	Spores of the Rhynie chert plant <i>Aglaophyton (Rhynia) major</i> (Kidston and Lang) D.S. Edwards, 1986. Review of Palaeobotany and Palynology, 2006, 142, 229-250.	0.8	63
52	Spore assemblages from the Lower Devonian –Lower Old Red Sandstone– deposits of the Rhynie outlier, Scotland. Transactions of the Royal Society of Edinburgh: Earth Sciences, 2006, 97, 167-211.	1.0	84
53	Origin, function and development of the spore wall in early land plants. , 2004, , 43-63.		28
54	Palaeoecology and palaeophytogeography of the Rhynie chert plants: evidence from integrated analysis of in situ and dispersed spores. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 985-992.	1.2	35

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55	Fragments of the earliest land plants. <i>Nature</i> , 2003, 425, 282-285.	13.7	525
56	Spores of the Rhynie chert plant <i>Horneophyton lignieri</i> (Kidston & Lang) Barghoorn & Darrah, 1938. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2003, 94, 429-443.	1.0	15
57	Morphology and Wall Ultrastructure in Devonian Spores with Bifurcate-Tipped Processes. <i>International Journal of Plant Sciences</i> , 2002, 163, 451-474.	0.6	27
58	2. Embryophytes on Land: The Ordovician to Lochkovian (Lower Devonian) Record. , 2001, , 3-28.		65
59	The microfossil record of early land plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 717-732.	1.8	206
60	Tetrads in sporangia and spore masses from the Upper Silurian and Lower Devonian of the Welsh Borderland. <i>Botanical Journal of the Linnean Society</i> , 1999, 130, 111-156.	0.8	56
61	Permanent dyads in sporangia and spore masses from the Lower Devonian of the Welsh Borderland. <i>Botanical Journal of the Linnean Society</i> , 1998, 127, 117-147.	0.8	67
62	Permanent dyads in sporangia and spore masses from the Lower Devonian of the Welsh Borderland. <i>Botanical Journal of the Linnean Society</i> , 1998, 127, 117-147.	0.8	5
63	“Phytodebris” from Scottish Silurian and Lower Devonian continental deposits. <i>Review of Palaeobotany and Palynology</i> , 1995, 84, 255-279.	0.8	36
64	A Lower Devonian sporomorph assemblage from the Midland Valley of Scotland. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1993, 84, 117-136.	1.0	30