

Mark D Sutton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

1,923
citations

26
h-index

43
g-index

73
ext. papers

2,217
ext. citations

8.9
avg, IF

5.02
L-index

#	Paper	IF	Citations
69	Evolutionary simulations clarify and reconcile biodiversity-disturbance models. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210240	4.4	2
68	Productivity, niche availability, species richness, and extinction risk: Untangling relationships using individual-based simulations. <i>Ecology and Evolution</i> , 2021 , 11, 8923-8940	2.8	1
67	A Silurian ophiuroid with soft-tissue preservation. <i>Papers in Palaeontology</i> , 2021 , 7, 2041	2.5	
66	The first Silurian trilobite with three-dimensionally preserved soft parts reveals novel appendage morphology. <i>Papers in Palaeontology</i> , 2021 , 7, 2245	2.5	1
65	Morphological Phylogenetics Evaluated Using Novel Evolutionary Simulations. <i>Systematic Biology</i> , 2020 , 69, 897-912	8.4	10
64	The Herefordshire Lagerstätte: fleshing out Silurian marine life. <i>Journal of the Geological Society</i> , 2020 , 177, 1-13	2.7	11
63	A new ophiocistoid with soft-tissue preservation from the Silurian Herefordshire Lagerstätte, and the evolution of the holothurian body plan. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20182792	4.4	9
62	REvoSim: Organism-level simulation of macro and microevolution. <i>Palaeontology</i> , 2019 , 62, 339-355	2.9	4
61	Three-dimensionally preserved soft tissues and calcareous hexactins in a Silurian sponge: implications for early sponge evolution. <i>Royal Society Open Science</i> , 2019 , 6, 190911	3.3	4
60	How the past impacts the future: modelling the performance of evolutionarily distinct mammals through time. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20190210	5.8	3
59	How big is a genus? Towards a nomothetic systematics. <i>Zoological Journal of the Linnean Society</i> , 2018 , 183, 237-252	2.4	13
58	A three-dimensionally preserved lobopodian from the Herefordshire (Silurian) Lagerstätte, UK. <i>Royal Society Open Science</i> , 2018 , 5, 172101	3.3	7
57	A well-preserved respiratory system in a Silurian ostracod. <i>Biology Letters</i> , 2018 , 14,	3.6	6
56	Biotic and environmental dynamics through the Late Jurassic-Early Cretaceous transition: evidence for protracted faunal and ecological turnover. <i>Biological Reviews</i> , 2017 , 92, 776-814	13.5	57
55	Evolutionarily distinct living fossils require both lower speciation and lower extinction rates. <i>Paleobiology</i> , 2017 , 43, 34-48	2.6	9
54	Open data and digital morphology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	73
53	A new crustacean from the Herefordshire (Silurian) Lagerstätte, UK, and its significance in malacostracan evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	16

52	An edrioasteroid from the Silurian Herefordshire Lagerstätte of England reveals the nature of the water vascular system in an extinct echinoderm. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	7
51	treeman: an R package for efficient and intuitive manipulation of phylogenetic trees. <i>BMC Research Notes</i> , 2017 , 10, 30	2.3	13
50	Enalikter is not an annelid: homology, autapomorphies and the interpretation of problematic fossils. <i>Lethaia</i> , 2017 , 50, 222-226	1.3	1
49	A phylogeny of fossil and living neocoleoid cephalopods. <i>Cladistics</i> , 2016 , 32, 297-307	3.5	21
48	VIRTUAL PALEONTOLOGY: AN OVERVIEW. <i>The Paleontological Society Papers</i> , 2016 , 22, 1-20		39
47	Reply to Piper: Aquilonifer's kites are not mites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3320-1	11.5	4
46	Tiny individuals attached to a new Silurian arthropod suggest a unique mode of brood care. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4410-5	11.5	15
45	Enalikter aphson is an arthropod: a reply to Struck et al. (2014). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142663	4.4	2
44	A 425-million-year-old silurian pentastomid parasitic on ostracods. <i>Current Biology</i> , 2015 , 25, 1632-7	6.3	27
43	Not all aragonitic molluscs are missing: taphonomy and significance of a unique shelly lagerstätte from the Jurassic of SW Britain. <i>Lethaia</i> , 2015 , 48, 540-548	1.3	11
42	A novel respiratory architecture in the Silurian mollusc Acaenoplax. <i>Palaeontology</i> , 2015 , 58, 839-847	2.9	2
41	Lingulate brachiopods and the Early Palaeozoic history of the Iapetus Ocean. <i>Lethaia</i> , 2014 , 47, 456-468	1.3	4
40	A Silurian short-great-appendage arthropod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132986	4.4	14
39	SPIERS: A Free Package for Tomographic Reconstruction. <i>The Paleontological Society Special Publications</i> , 2014 , 13, 170-171		
38	Arthropod fossil data increase congruence of morphological and molecular phylogenies. <i>Nature Communications</i> , 2013 , 4, 2485	17.4	197
37	A Silurian myodocope with preserved soft-parts: cautioning the interpretation of the shell-based ostracod record. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20122664	4.4	32
36	Combined methodologies for three-dimensional reconstruction of fossil plants preserved in siderite nodules: <i>Stephanospermum braidwoodensis</i> nov. sp. (Medullosales) from the Mazon Creek lagerstätte. <i>Review of Palaeobotany and Palynology</i> , 2013 , 188, 1-17	1.7	15
35	Destructive Tomography 2013 , 14-40		

34	Non-Destructive Tomography 2013 , 41-114		
33	Surface-Based Methods 2013 , 115-129		1
32	Digital Visualization 2013 , 130-164		
31	Applications Beyond Visualization 2013 , 165-176		
30	Introduction and History 2013 , 1-13		
29	Epithelial cell moulds in acrotretoid brachiopods. <i>Historical Biology</i> , 2012 , 24, 557-565	1.1	5
28	A chiton without a foot. <i>Palaeontology</i> , 2012 , 55, 401-411	2.9	29
27	Silurian horseshoe crab illuminates the evolution of arthropod limbs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15702-5	11.5	60
26	A Silurian armoured aplacophoran and implications for molluscan phylogeny. <i>Nature</i> , 2012 , 490, 94-7	50.4	62
25	First report of brachiopod-brachiopod endoparasitism. <i>Lethaia</i> , 2010 , 43, 112-115	1.3	7
24	From clergymen to computers—the advent of virtual palaeontology. <i>Geology Today</i> , 2010 , 26, 96-100	0.4	13
23	An exceptionally preserved myodocopid ostracod from the Silurian of Herefordshire, UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 1539-44	4.4	45
22	Crinoids for lunch? An unexpected biotic interaction from the Upper Ordovician of Scotland. <i>Geology</i> , 2010 , 38, 935-938	5	16
21	The last meal of the Late Ordovician mollusc <i>Helminthochiton thraivensis</i> Reed, 1911, from the Lady Burn Starfish Beds, southwest Scotland. <i>Geological Journal</i> , 2010 , 46, n/a-n/a	1.7	1
20	High-fidelity X-ray micro-tomography reconstruction of siderite-hosted Carboniferous arachnids. <i>Biology Letters</i> , 2009 , 5, 841-4	3.6	47
19	Tomographic techniques for the study of exceptionally preserved fossils. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 1587-93	4.4	121
18	Virtual Fossils from 425 Million-year-old Volcanic Ash. <i>American Scientist</i> , 2008 , 96, 474	2.7	28
17	Deep molluscan phylogeny: synthesis of palaeontological and neontological data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2413-9	4.4	81

16	A Silurian 'marrellomorph' arthropod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2223-9	4.4	25
15	A new probable stem lineage crustacean with three-dimensionally preserved soft parts from the Herefordshire (Silurian) Lagerstätte, UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2099-107	4.4	34
14	Pedicle preservation in a Silurian rhynchonelliformean brachiopod from Herefordshire, England: soft-tissue or an artefact of interpretation? A Reply. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2007 , 98, 309-310	0.9	1
13	Brood care in a Silurian ostracod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 465-9	4.4	85
12	The Radiolaria of the Herefordshire Konservat-Lagerstätte (Silurian), England. <i>Journal of Micropalaeontology</i> , 2007 , 26, 87-95	2	10
11	Silurian brachiopods with soft-tissue preservation. <i>Nature</i> , 2005 , 436, 1013-5	50.4	51
10	Metamorphosis in a Silurian barnacle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 2365-9	4.4	30
9	A new phyllocarid (Crustacea: Malacostraca) from the Silurian Fossil-Lagerstätte of Herefordshire, UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 131-8	4.4	79
8	Computer reconstruction and analysis of the vermiform mollusc <i>Acaenoplax hayae</i> from the Herefordshire Lagerstätte (Silurian, England), and implications for molluscan phylogeny. <i>Palaeontology</i> , 2004 , 47, 293-318	2.9	47
7	A Silurian sea spider. <i>Nature</i> , 2004 , 431, 978-80	50.4	62
6	A larval Devonian lungfish. <i>Nature</i> , 2003 , 426, 833-4	50.4	33
5	An ostracode crustacean with soft parts from the Lower Silurian. <i>Science</i> , 2003 , 302, 1749-51	33.3	111
4	The arthropod <i>Offacolus kingi</i> (Chelicerata) from the Silurian of Herefordshire, England: computer based morphological reconstructions and phylogenetic affinities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 1195-203	4.4	79
3	<i>Acaenoplax</i> [polychaete or mollusc?]. <i>Nature</i> , 2001 , 414, 602-602	50.4	10
2	An exceptionally preserved vermiform mollusc from the Silurian of England. <i>Nature</i> , 2001 , 410, 461-3	50.4	73
1	A three-dimensionally preserved fossil polychaete worm from the Silurian of Herefordshire, England. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 2355-63	4.4	47