Mark D Sutton

List of Publications by Citations

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	Arthropod fossil data increase congruence of morphological and molecular phylogenies. *Nature Communications*, **2013**, 4, 2485	17.4	197
68	Tomographic techniques for the study of exceptionally preserved fossils. *Proceedings of the Royal Society B: Biological Sciences*, **2008**, 275, 1587-93	4.4	121
67	An ostracode crustacean with soft parts from the Lower Silurian. *Science*, **2003**, 302, 1749-51	33.3	111
66	Brood care in a Silurian ostracod. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 465-9	4.4	85
65	Deep molluscan phylogeny: synthesis of palaeontological and neontological data. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 2413-9	4.4	81
64	A new phyllocarid (Crustacea: Malacostraca) from the Silurian Fossil-Lagerstätte of Herefordshire, UK. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 131-8	4.4	79
63	The arthropod Offacolus kingi (Chelicerata) from the Silurian of Herefordshire, England: computer based morphological reconstructions and phylogenetic affinities. *Proceedings of the Royal Society B: Biological Sciences*, **2002**, 269, 1195-203	4.4	79
62	Open data and digital morphology. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	73
61	An exceptionally preserved vermiform mollusc from the Silurian of England. *Nature*, **2001**, 410, 461-3	50.4	73
60	A Silurian armoured aplacophoran and implications for molluscan phylogeny. *Nature*, **2012**, 490, 94-7	50.4	62
59	A Silurian sea spider. *Nature*, **2004**, 431, 978-80	50.4	62
58	Silurian horseshoe crab illuminates the evolution of arthropod limbs. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15702-5	11.5	60
57	Biotic and environmental dynamics through the Late Jurassic-Early Cretaceous transition: evidence for protracted faunal and ecological turnover. *Biological Reviews*, **2017**, 92, 776-814	13.5	57
56	Silurian brachiopods with soft-tissue preservation. *Nature*, **2005**, 436, 1013-5	50.4	51
55	High-fidelity X-ray micro-tomography reconstruction of siderite-hosted Carboniferous arachnids. *Biology Letters*, **2009**, 5, 841-4	3.6	47
54	Computer reconstruction and analysis of the vermiform mollusc Acaenoplax hayae from the Herefordshire Lagerstätte (Silurian, England), and implications for molluscan phylogeny. *Palaeontology*, **2004**, 47, 293-318	2.9	47
53	A three-dimensionally preserved fossil polychaete worm from the Silurian of Herefordshire, England. *Proceedings of the Royal Society B: Biological Sciences*, **2001**, 268, 2355-63	4.4	47

52	An exceptionally preserved myodocopid ostracod from the Silurian of Herefordshire, UK. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 1539-44	4.4	45
51	VIRTUAL PALEONTOLOGY—AN OVERVIEW. *The Paleontological Society Papers*, **2016**, 22, 1-20		39
50	A new probable stem lineage crustacean with three-dimensionally preserved soft parts from the Herefordshire (Silurian) Lagerstätte, UK. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 2099-107	4.4	34
49	A larval Devonian lungfish. *Nature*, **2003**, 426, 833-4	50.4	33
48	A Silurian myodocope with preserved soft-parts: cautioning the interpretation of the shell-based ostracod record. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20122664	4.4	32
47	Metamorphosis in a Silurian barnacle. *Proceedings of the Royal Society B: Biological Sciences*, **2005**, 272, 2365-9	4.4	30
46	A chiton without a foot. *Palaeontology*, **2012**, 55, 401-411	2.9	29
45	Virtual Fossils from 425 Million-year-old Volcanic Ash. *American Scientist*, **2008**, 96, 474	2.7	28
44	A 425-million-year-old silurian pentastomid parasitic on ostracods. *Current Biology*, **2015**, 25, 1632-7	6.3	27
43	A Silurian 'marrellomorph' arthropod. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 2223-9	4.4	25
42	A phylogeny of fossil and living neocoleoid cephalopods. *Cladistics*, **2016**, 32, 297-307	3.5	21
41	A new crustacean from the Herefordshire (Silurian) Lagerstätte, UK, and its significance in malacostracan evolution. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	16
40	Crinoids for lunch? An unexpected biotic interaction from the Upper Ordovician of Scotland. *Geology*, **2010**, 38, 935-938	5	16
39	Combined methodologies for three-dimensional reconstruction of fossil plants preserved in siderite nodules: Stephanospermum braidwoodensis nov. sp. (Medullosales) from the Mazon Creek lagerstätte. *Review of Palaeobotany and Palynology*, **2013**, 188, 1-17	1.7	15
38	Tiny individuals attached to a new Silurian arthropod suggest a unique mode of brood care. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4410-5	11.5	15
37	A Silurian short-great-appendage arthropod. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20132986	4.4	14
36	How big is a genus? Towards a nomothetic systematics. *Zoological Journal of the Linnean Society*, **2018**, 183, 237-252	2.4	13
35	treeman: an R package for efficient and intuitive manipulation of phylogenetic trees. *BMC Research Notes*, **2017**, 10, 30	2.3	13

34	From clergymen to computers: the advent of virtual palaeontology. *Geology Today*, **2010**, 26, 96-100	0.4	13
33	Not all aragonitic molluscs are missing: taphonomy and significance of a unique shelly lagerstätte from the Jurassic of SW Britain. *Lethaia*, **2015**, 48, 540-548	1.3	11
32	The Herefordshire Lagerstätte: fleshing out Silurian marine life. *Journal of the Geological Society*, **2020**, 177, 1-13	2.7	11
31	Acaenoplax: polychaete or mollusc?. *Nature*, **2001**, 414, 602-602	50.4	10
30	The Radiolaria of the Herefordshire Konservat-Lagerstätte (Silurian), England. *Journal of Micropalaeontology*, **2007**, 26, 87-95	2	10
29	Morphological Phylogenetics Evaluated Using Novel Evolutionary Simulations. *Systematic Biology*, **2020**, 69, 897-912	8.4	10
28	Evolutionarily distinct living fossils require both lower speciation and lower extinction rates. *Paleobiology*, **2017**, 43, 34-48	2.6	9
27	A new ophiocistioid with soft-tissue preservation from the Silurian Herefordshire Lagerstätte, and the evolution of the holothurian body plan. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20182792	4.4	9
26	A three-dimensionally preserved lobopodian from the Herefordshire (Silurian) Lagerstätte, UK. *Royal Society Open Science*, **2018**, 5, 172101	3.3	7
25	An edrioasteroid from the Silurian Herefordshire Lagerstätte of England reveals the nature of the water vascular system in an extinct echinoderm. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	7
24	First report of brachiopod–brachiopod endoparasitism. *Lethaia*, **2010**, 43, 112-115	1.3	7
23	A well-preserved respiratory system in a Silurian ostracod. *Biology Letters*, **2018**, 14,	3.6	6
22	Epithelial cell moulds in acrotretoid brachiopods. *Historical Biology*, **2012**, 24, 557-565	1.1	5
21	REvoSim: Organism-level simulation of macro and microevolution. *Palaeontology*, **2019**, 62, 339-355	2.9	4
20	Three-dimensionally preserved soft tissues and calcareous hexactins in a Silurian sponge: implications for early sponge evolution. *Royal Society Open Science*, **2019**, 6, 190911	3.3	4
19	Lingulate brachiopods and the Early Palaeozoic history of the Iapetus Ocean. *Lethaia*, **2014**, 47, 456-468	1.3	4
18	Reply to Piper: Aquilonifer's kites are not mites. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3320-1	11.5	4
17	How the past impacts the future: modelling the performance of evolutionarily distinct mammals through time. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20190210	5.8	3

16	Enalikter aphson is an arthropod: a reply to Struck et al . (2014). *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20142663	4.4	2
15	A novel respiratory architecture in the Silurian mollusc Acaenoplax. *Palaeontology*, **2015**, 58, 839-847	2.9	2
14	Evolutionary simulations clarify and reconcile biodiversity-disturbance models. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20210240	4.4	2
13	Enalikter is not an annelid: homology, autapomorphies and the interpretation of problematic fossils. *Lethaia*, **2017**, 50, 222-226	1.3	1
12	Surface-Based Methods **2013**, 115-129		1
11	The last meal of the Late Ordovician mollusc Helminthochiton thraivensis Reed, 1911, from the Lady Burn Starfish Beds, southwest Scotland. *Geological Journal*, **2010**, 46, n/a-n/a	1.7	1
10	Pedicle preservation in a Silurian rhynchonelliformean brachiopod from Herefordshire, England: soft-tissue or an artefact of interpretation? A Reply. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, **2007**, 98, 309-310	0.9	1
9	Productivity, niche availability, species richness, and extinction risk: Untangling relationships using individual-based simulations. *Ecology and Evolution*, **2021**, 11, 8923-8940	2.8	1
8	The first Silurian trilobite with three-dimensionally preserved soft parts reveals novel appendage morphology. *Papers in Palaeontology*, **2021**, 7, 2245	2.5	1
7	SPIERS A Free Package for Tomographic Reconstruction. *The Paleontological Society Special Publications*, **2014**, 13, 170-171		
6	Destructive Tomography **2013**, 14-40		
5	Non-Destructive Tomography **2013**, 41-114		
4	Digital Visualization **2013**, 130-164		
3	Applications Beyond Visualization **2013**, 165-176		
2	Introduction and History **2013**, 1-13		
1	A Silurian ophiuroid with soft-tissue preservation. *Papers in Palaeontology*, **2021**, 7, 2041	2.5	