Mark D Sutton

List of Publications by Year
in descending order

63 papers	2,457 citations	201674 27 h-index	206112 48 g-index
73 all docs	73 docs citations	73 times ranked	1841 citing authors

#	Article	IF	Citations
1	Evolutionary simulations clarify and reconcile biodiversity-disturbance models. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210240.	2.6	6
2	Productivity, niche availability, species richness, and extinction risk: Untangling relationships using individualâ€based simulations. Ecology and Evolution, 2021, 11, 8923-8940.	1.9	11
3	A Silurian ophiuroid with softâ€tissue preservation. Papers in Palaeontology, 2021, 7, 2041.	1.5	0
4	The first Silurian trilobite with threeâ€dimensionally preserved soft partsÂreveals novel appendage morphology. Papers in Palaeontology, 2021, 7, 2245-2253.	1.5	9
5	The Herefordshire LagerstÃtte: fleshing out Silurian marine life. Journal of the Geological Society, 2020, 177, 1-13.	2.1	20
6	Morphological Phylogenetics Evaluated Using Novel Evolutionary Simulations. Systematic Biology, 2020, 69, 897-912.	5.6	26
7	Three-dimensionally preserved soft tissues and calcareous hexactins in a Silurian sponge: implications for early sponge evolution. Royal Society Open Science, 2019, 6, 190911.	2.4	7
8	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.	4.0	4
9	A new ophiocistioid with soft-tissue preservation from the Silurian Herefordshire LagerstÃtte, and the evolution of the holothurian body plan. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182792.	2.6	19
10	<scp>RE</scp>voSim: Organismâ€level simulation of macro and microevolution. Palaeontology, 2019, 62, 339-355.	2.2	14
11	How big is a genus? Towards a nomothetic systematics. Zoological Journal of the Linnean Society, 2018, 183, 237-252.	2.3	24
12	A well-preserved respiratory system in a Silurian ostracod. Biology Letters, 2018, 14, 20180464.	2.3	8
13	A three-dimensionally preserved lobopodian from the Herefordshire (Silurian) LagerstÃtte, UK. Royal Society Open Science, 2018, 5, 172101.	2.4	8
14	Biotic and environmental dynamics through the <scp>L</scp>ate <scp>J</scp>urassicâ€“<scp>E</scp>arly <scp>C</scp>retaceous transition: evidence for protracted faunal and ecological turnover. Biological Reviews, 2017, 92, 776-814.	10.4	87
15	Evolutionarily distinct â€œliving fossilsâ€•require both lower speciation and lower extinction rates. Paleobiology, 2017, 43, 34-48.	2.0	14
16	Open data and digital morphology. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170194.	2.6	103
17	A new crustacean from the Herefordshire (Silurian) LagerstÃtte, UK, and its significance in malacostracan evolution. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170279.	2.6	21
18	An edrioasteroid from the Silurian Herefordshire LagerstÃtte of England reveals the nature of the water vascular system in an extinct echinoderm. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171189.	2.6	12

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19	treeman: an R package for efficient and intuitive manipulation of phylogenetic trees. BMC Research Notes, 2017, 10, 30.	1.4	17
20	Enalikteris not an annelid: homology, autapomorphies and the interpretation of problematic fossils. Lethaia, 2017, 50, 222-226.	1.4	2
21	VIRTUAL PALEONTOLOGYâ€”AN OVERVIEW. The Paleontological Society Papers, 2016, 22, 1-20.	0.6	62
22	Reply to Piper: Aquiloniferâ€™s kites are not mites. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3320-E3321.	7.1	4
23	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, 4410-4415.	7.1	20
24	A phylogeny of fossil and living neocoleoid cephalopods. Cladistics, 2016, 32, 297-307.	3.3	27
25	Not all aragonitic molluscs are missing: taphonomy and significance of a unique shelly lagerstÃtte from the Jurassic of SW Britain. Lethaia, 2015, 48, 540-548.	1.4	16
26	A novel respiratory architecture in the <scp>S</scp>ilurian mollusc <scp>A</scp>caenoplax. Palaeontology, 2015, 58, 839-847.	2.2	2
27	Enalikter aphson is an arthropod: a reply to Struck et al . (2014). Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142663.	2.6	2
28	A 425-Million-Year-Old Silurian Pentastomid Parasitic on Ostracods. Current Biology, 2015, 25, 1632-1637.	3.9	35
29	SPIERSâ€”A Free Package for Tomographic Reconstruction. The Paleontological Society Special Publications, 2014, 13, 170-171.	0.0	0
30	Lingulate brachiopods and the Early Palaeozoic history of the Iapetus Ocean. Lethaia, 2014, 47, 456-468.	1.4	4
31	A Silurian short-great-appendage arthropod. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132986.	2.6	19
32	Arthropod fossil data increase congruence of morphological and molecular phylogenies. Nature Communications, 2013, 4, 2485.	12.8	240
33	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.	2.6	36
34	Combined methodologies for three-dimensional reconstruction of fossil plants preserved in siderite nodules: Stephanospermum braidwoodensis nov. sp. (Medullosales) from the Mazon Creek lagerstÃtte. Review of Palaeobotany and Palynology, 2013, 188, 1-17.	1.5	16
35	Epithelial cell moulds in acrotretoid brachiopods. Historical Biology, 2012, 24, 557-565.	1.4	8
36	A chiton without a foot. Palaeontology, 2012, 55, 401-411.	2.2	30

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37	Silurian horseshoe crab illuminates the evolution of arthropod limbs. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15702-15705.	7.1	72
38	A Silurian armoured aplacophoran and implications for molluscan phylogeny. Nature, 2012, 490, 94-97.	27.8	66
39	The last meal of the Late Ordovician mollusc â€˜Helminthochitonâ€™ thraivensis Reed, 1911, from the Lady Burn Starfish Beds, southwest Scotland. Geological Journal, 2011, 46, 451-463.	1.3	6
40	First report of brachiopod-brachiopod endoparasitism. Lethaia, 2010, 43, 112-115.	1.4	8
41	From clergymen to computersâ€”the advent of virtual palaeontology. Geology Today, 2010, 26, 96-100.	0.9	17
42	An exceptionally preserved myodocopid ostracod from the Silurian of Herefordshire, UK. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1539-1544.	2.6	52
43	Crinoids for lunch? An unexpected biotic interaction from the Upper Ordovician of Scotland. Geology, 2010, 38, 935-938.	4.4	19
44	High-fidelity X-ray micro-tomography reconstruction of siderite-hosted Carboniferous arachnids. Biology Letters, 2009, 5, 841-844.	2.3	51
45	Tomographic techniques for the study of exceptionally preserved fossils. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1587-1593.	2.6	143
46	Virtual Fossils from 425 Million-year-old Volcanic Ash. American Scientist, 2008, 96, 474.	0.1	30
47	A Silurian â€˜marrellomorphâ€™ arthropod. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2223-2229.	2.6	31
48	A new probable stem lineage crustacean with three-dimensionally preserved soft parts from the Herefordshire (Silurian) LagerstÃtte, UK. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2099-2108.	2.6	51
49	Pedicle preservation in a Silurian rhynchonelliformean brachiopod from Herefordshire, England: soft-tissue or an artefact of interpretation?â€”A Reply. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2007, 98, 309-310.	0.3	1
50	Brood care in a Silurian ostracod. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 465-469.	2.6	94
51	Deep molluscan phylogeny: synthesis of palaeontological and neontological data. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2413-2419.	2.6	100
52	The Radiolaria of the Herefordshire Konservat-LagerstÃtte (Silurian), England. Journal of Micropalaeontology, 2007, 26, 87-95.	3.6	12
53	Silurian brachiopods with soft-tissue preservation. Nature, 2005, 436, 1013-1015.	27.8	68
54	Metamorphosis in a Silurian barnacle. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2365-2369.	2.6	34

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55	A new phyllocarid (Crustacea: Malacostraca) from the Silurian Fossilâ€“LagerstÃtte of Herefordshire, UK. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 131-138.	2.6	96
56	Computer reconstruction and analysis of the vermiform mollusc Acaenoplax hayae from the Herefordshire Lagerstatte (Silurian, England), and implications for molluscan phylogeny. Palaeontology, 2004, 47, 293-318.	2.2	60
57	A Silurian sea spider. Nature, 2004, 431, 978-980.	27.8	77
58	A larval Devonian lungfish. Nature, 2003, 426, 833-834.	27.8	50
59	An Ostracode Crustacean with Soft Parts from the Lower Silurian. Science, 2003, 302, 1749-1751.	12.6	118
60	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, 1195-1203.	2.6	103
61	A three-dimensionally preserved fossil polychaete worm from the Silurian of Herefordshire, England. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2355-2363.	2.6	64
62	Acaenoplax â€" polychaete or mollusc?. Nature, 2001, 414, 602-602.	27.8	10
63	An exceptionally preserved vermiform mollusc from the Silurian of England. Nature, 2001, 410, 461-463.	27.8	90