

Mark D Sutton

List of Publications by Year in descending order

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Version: 2024-02-01

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	Arthropod fossil data increase congruence of morphological and molecular phylogenies. <i>Nature Communications</i> , 2013, 4, 2485.	12.8	240
2	Tomographic techniques for the study of exceptionally preserved fossils. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1587-1593.	2.6	143
3	An Ostracode Crustacean with Soft Parts from the Lower Silurian. <i>Science</i> , 2003, 302, 1749-1751.	12.6	118
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, 1195-1203.	2.6	103
5	Open data and digital morphology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170194.	2.6	103
6	Deep molluscan phylogeny: synthesis of palaeontological and neontological data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2413-2419.	2.6	100
7	A new phyllocarid (Crustacea: Malacostraca) from the Silurian Lagerstätte of Herefordshire, UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 131-138.	2.6	96
8	Brood care in a Silurian ostracod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 465-469.	2.6	94
9	An exceptionally preserved vermiform mollusc from the Silurian of England. <i>Nature</i> , 2001, 410, 461-463.	27.8	90
10	Biotic and environmental dynamics through the Late Permian to Early Cretaceous transition: evidence for protracted faunal and ecological turnover. <i>Biological Reviews</i> , 2017, 92, 776-814.	10.4	87
11	A Silurian sea spider. <i>Nature</i> , 2004, 431, 978-980.	27.8	77
12	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, 15702-15705.	7.1	72
13	Silurian brachiopods with soft-tissue preservation. <i>Nature</i> , 2005, 436, 1013-1015.	27.8	68
14	A Silurian armoured aplousobranchian and implications for molluscan phylogeny. <i>Nature</i> , 2012, 490, 94-97.	27.8	66
15	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, 2355-2363.	2.6	64
16	VIRTUAL PALEONTOLOGY—AN OVERVIEW. <i>The Paleontological Society Papers</i> , 2016, 22, 1-20.	0.6	62
17	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.	2.2	60
18	An exceptionally preserved myodocopid ostracod from the Silurian of Herefordshire, UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1539-1544.	2.6	52

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19	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, 2099-2108.	2.6	51
20	High-fidelity X-ray micro-tomography reconstruction of siderite-hosted Carboniferous arachnids. <i>Biology Letters</i> , 2009, 5, 841-844.	2.3	51
21	A larval Devonian lungfish. <i>Nature</i> , 2003, 426, 833-834.	27.8	50
22	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.	2.6	36
23	A 425-Million-Year-Old Silurian Pentastomid Parasitic on Ostracods. <i>Current Biology</i> , 2015, 25, 1632-1637.	3.9	35
24	Metamorphosis in a Silurian barnacle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2365-2369.	2.6	34
25	A Silurian "marrellomorph" arthropod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2223-2229.	2.6	31
26	A chiton without a foot. <i>Palaeontology</i> , 2012, 55, 401-411.	2.2	30
27	Virtual Fossils from 425 Million-year-old Volcanic Ash. <i>American Scientist</i> , 2008, 96, 474.	0.1	30
28	A phylogeny of fossil and living neocoleoid cephalopods. <i>Cladistics</i> , 2016, 32, 297-307.	3.3	27
29	Morphological Phylogenetics Evaluated Using Novel Evolutionary Simulations. <i>Systematic Biology</i> , 2020, 69, 897-912.	5.6	26
30	How big is a genus? Towards a nomothetic systematics. <i>Zoological Journal of the Linnean Society</i> , 2018, 183, 237-252.	2.3	24
31	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, 20170279.	2.6	21
32	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, 4410-4415.	7.1	20
33	The Herefordshire Lagerstätte: fleshing out Silurian marine life. <i>Journal of the Geological Society</i> , 2020, 177, 1-13.	2.1	20
34	Crinoids for lunch? An unexpected biotic interaction from the Upper Ordovician of Scotland. <i>Geology</i> , 2010, 38, 935-938.	4.4	19
35	A Silurian short-great-appendage arthropod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132986.	2.6	19
36	A new ophiocistioid 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.	2.6	19

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37	From clergymen to computers—the advent of virtual palaeontology. <i>Geology Today</i> , 2010, 26, 96-100.	0.9	17
38	treeman: an R package for efficient and intuitive manipulation of phylogenetic trees. <i>BMC Research Notes</i> , 2017, 10, 30.	1.4	17
39	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.	1.5	16
40	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.	1.4	16
41	Evolutionarily distinct “living fossils” require both lower speciation and lower extinction rates. <i>Paleobiology</i> , 2017, 43, 34-48.	2.0	14
42	<sc>RE</sc>voSim: Organism-level simulation of macro and microevolution. <i>Palaeontology</i> , 2019, 62, 339-355.	2.2	14
43	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, 20171189.	2.6	12
44	The Radiolaria of the Herefordshire Konservat-Lagerstätte (Silurian), England. <i>Journal of Micropalaeontology</i> , 2007, 26, 87-95.	3.6	12
45	Productivity, niche availability, species richness, and extinction risk: Untangling relationships using individual-based simulations. <i>Ecology and Evolution</i> , 2021, 11, 8923-8940.	1.9	11
46	<i>Acaenoplax</i> — polychaete or mollusc?. <i>Nature</i> , 2001, 414, 602-602.	27.8	10
47	The first Silurian trilobite with three-dimensionally preserved soft parts reveals novel appendage morphology. <i>Papers in Palaeontology</i> , 2021, 7, 2245-2253.	1.5	9
48	First report of brachiopod-brachiopod endoparasitism. <i>Lethaia</i> , 2010, 43, 112-115.	1.4	8
49	Epithelial cell moulds in acrotretoid brachiopods. <i>Historical Biology</i> , 2012, 24, 557-565.	1.4	8
50	A well-preserved respiratory system in a Silurian ostracod. <i>Biology Letters</i> , 2018, 14, 20180464.	2.3	8
51	A three-dimensionally preserved lobopodian from the Herefordshire (Silurian) Lagerstätte, UK. <i>Royal Society Open Science</i> , 2018, 5, 172101.	2.4	8
52	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.	2.4	7
53	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> , 2011, 46, 451-463.	1.3	6
54	Evolutionary simulations clarify and reconcile biodiversity-disturbance models. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210240.	2.6	6

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55	Lingulate brachiopods and the Early Palaeozoic history of the Iapetus Ocean. <i>Lethaia</i> , 2014, 47, 456-468.	1.4	4
56	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-E3321.	7.1	4
57	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.	4.0	4
58	A novel respiratory architecture in the Silurian mollusc <i>Acaenoplax</i> . <i>Palaeontology</i> , 2015, 58, 839-847.	2.2	2
59	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.	2.6	2
60	Enalikteris not an annelid: homology, autapomorphies and the interpretation of problematic fossils. <i>Lethaia</i> , 2017, 50, 222-226.	1.4	2
61	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.	0.3	1
62	SPIERS: A Free Package for Tomographic Reconstruction. <i>The Paleontological Society Special Publications</i> , 2014, 13, 170-171.	0.0	0
63	A Silurian ophiuroid with soft-tissue preservation. <i>Papers in Palaeontology</i> , 2021, 7, 2041.	1.5	0