Derek Briggs

List of Publications by Year
in descending order

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366	14,091	13087	30058
papers	citations	68 h-index	103 g-index

386	386	386	5415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	THEROLE OFDECAY ANDMINERALIZATION IN THEPRESERVATION OFSOFT-BODIEDFOSSILS. Annual Review of Earth and Planetary Sciences, 2003, 31, 275-301.	4.6	497
2	Disparity as an evolutionary index: a comparison of Cambrian and Recent arthropods. Paleobiology, 1994, 20, 93-130.	1.3	312
3	Ordovician faunas of Burgess Shale type. Nature, 2010, 465, 215-218.	13.7	282
4	Taphonomy of insects in carbonates and amber. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 203, 19-64.	1.0	258
5	Morphological Disparity in the Cambrian. Science, 1992, 256, 1670-1673.	6.0	257
6	Fossilization of Soft Tissue in the Laboratory. Science, 1993, 259, 1439-1442.	6.0	226
7	Decay and Mineralization of Shrimps. Palaios, 1994, 9, 431.	0.6	226
8	Plumage Color Patterns of an Extinct Dinosaur. Science, 2010, 327, 1369-1372.	6.0	224
9	Controls on the formation of authigenic minerals in association with decaying organic matter: an experimental approach. Geochimica Et Cosmochimica Acta, 1999, 63, 1083-1095.	1.6	206
10	The conodont animal. Lethaia, 1983, 16, 1-14.	0.6	205
11	The role of the calcium carbonate-calcium phosphate switch in the mineralization of soft-bodied fossils. Journal of the Geological Society, 1996, 153, 665-668.	0.9	196
12	Cambrian Burgess Shale Animals Replicated in Clay Minerals. , 1998, 281, 1173-1175.		184
13	Phosphatization of soft-tissue in experiments and fossils. Journal of the Geological Society, 1993, 150, 1035-1038.	0.9	183
14	Preservation of Chitin in 25-Million-Year-Old Fossils. Science, 1997, 276, 1541-1543.	6.0	175
15	Cambrian Burgess Shaleâ€“type deposits share a common mode of fossilization. Geology, 2008, 36, 755.	2.0	171
16	Exceptional fossil record: Distribution of soft-tissue preservation through the Phanerozoic. Geology, 1993, 21, 527.	2.0	168
17	The colour of fossil feathers. Biology Letters, 2008, 4, 522-525.	1.0	167
18	Direct chemical evidence for eumelanin pigment from the Jurassic period. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10218-10223.	3.3	166

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19	The Early Radiation and Relationships of the Major Arthropod Groups. Science, 1989, 246, 241-243.	6.0	164
20	Molecular taphonomy of animal and plant cuticles: selective preservation and diagenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 7-17.	1.8	161
21	Decay and preservation of polychaetes: taphonomic thresholds in soft-bodied organisms. Paleobiology, 1993, 19, 107-135.	1.3	157
22	Ancient biomolecules: Their origins, fossilization, and role in revealing the history of life. BioEssays, 2014, 36, 482-490.	1.2	154
23	The affinities of conodontsâ€"new evidence from the Carboniferous of Edinburgh, Scotland. Lethaia, 1986, 19, 279-291.	0.6	133
24	Anomalocaridid trunk limb homology revealed by a giant filter-feeder with paired flaps. Nature, 2015, 522, 77-80.	13.7	130
25	Recognition of Chitin and Proteins in Invertebrate Cuticles Using Analytical Pyrolysis/Gas Chromatography and Pyrolysis/Gas Chromatography/Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 1747-1757.	0.7	128
26	Non-marine arthropod traces from the subaerial Ordovician Borrowdale Volcanic Group, English Lake District. Geological Magazine, 1994, 131, 395-406.	0.9	121
27	The Fezouata fossils of Morocco; an extraordinary record of marine life in the Early Ordovician. Journal of the Geological Society, 2015, 172, 541-549.	0.9	121
28	An Ostracode Crustacean with Soft Parts from the Lower Silurian. Science, 2003, 302, 1749-1751.	6.0	118
29	Taxonomic trends in the resolution of detail preserved in fossil phosphatized soft tissues. Geobios, 1997, 30, 493-502.	0.7	115
30	Resistant biomacromolecules in the fossil record¹. Acta Botanica Neerlandica, 1995, 44, 319-342.	1.0	112
31	Role of microbial mats in the fossilization of soft tissues. Geology, 1996, 24, 787.	2.0	112
32	Pyritization of soft-bodied fossils: Beecher's Trilobite Bed, Upper Ordovician, New York State. Geology, 1991, 19, 1221.	2.0	111
33	Understanding fossilization: Experimental pyritization of plants. Geology, 2001, 29, 123.	2.0	105
34	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.	1.2	103
35	Microbial biofilms and the preservation of the Ediacara biota. Lethaia, 2011, 44, 203-213.	0.6	102
36	Fossilization of feathers. Geology, 1995, 23, 783.	2.0	101

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37	Evidence for the in situ polymerisation of labile aliphatic organic compounds during the preservation of fossil leaves: Implications for organic matter preservation. Organic Geochemistry, 2007, 38, 499-522.	0.9	101
38	Structural coloration in a fossil feather. Biology Letters, 2010, 6, 128-131.	1.0	100
39	Middle Cambrian arthropods from Utah. Journal of Paleontology, 2008, 82, 238-254.	0.5	99
40	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.	1.2	96
41	Experimental evidence for the formation of geomacromolecules from plant leaf lipids. Organic Geochemistry, 2007, 38, 28-36.	0.9	95
42	Brood care in a Silurian ostracod. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 465-469.	1.2	94
43	A Great-Appendage Arthropod with a Radial Mouth from the Lower Devonian Hunsrul̀ck Slate, Germany. Science, 2009, 323, 771-773.	6.0	93
44	Experimental Taphonomy. Palaios, 1995, 10, 539.	0.6	92
45	The cambrian evolutionary ?explosion? recalibrated. BioEssays, 1997, 19, 429-434.	1.2	92
46	The mineralization of dinosaur soft tissue in the Lower Cretaceous of Las Hoyas, Spain. Journal of the Geological Society, 1997, 154, 587-588.	0.9	91
47	An exceptionally preserved vermiform mollusc from the Silurian of England. Nature, 2001, 410, 461-463.	13.7	90
48	Wonderful strife: systematics, stem groups, and the phylogenetic signal of the Cambrian radiation. Paleobiology, 2005, 31, 94-112.	1.3	90
49	Decay and Mineralization of Mantis Shrimps (Stomatopoda: Crustacea): A Key to Their Fossil Record. Palaios, 1997, 12, 420.	0.6	86
50	A Field Guide to Finding Fossils on Mars. Journal of Geophysical Research E: Planets, 2018, 123, 1012-1040.	1.5	86
51	Fossilization transforms vertebrate hard tissue proteins into N-heterocyclic polymers. Nature Communications, 2018, 9, 4741.	5.8	86
52	Exceptionally Preserved 450-Million-Year-Old Ordovician Ostracods with Brood Care. Current Biology, 2014, 24, 801-806.	1.8	85
53	Soft-bodied fossils from a Silurian volcaniclastic deposit. Nature, 1996, 382, 248-250.	13.7	84
54	The organic preservation of fossil arthropods: an experimental study. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 2777-2783.	1.2	84

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55	Softâ€Bodied Fossils Are Not Simply Rotten Carcasses â€“ Toward a Holistic Understanding of Exceptional Fossil Preservation. BioEssays, 2018, 40, 1700167.	1.2	84
56	Decay and composition of the hemichordate Rhabdopleura: implications for the taphonomy of graptolites. Lethaia, 1995, 28, 15-23.	0.6	82
57	Mineralization of soft-part anatomy and invading microbes in the horseshoe crab Mesolimulus from the Upper Jurassic LagerstÃtte of Nusplingen, Germany. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 627-632.	1.2	82
58	A giant Ordovician anomalocaridid. Nature, 2011, 473, 510-513.	13.7	81
59	Experimental evidence that clay inhibits bacterial decomposers: Implications for preservation of organic fossils. Geology, 2016, 44, 867-870.	2.0	81
60	EXPERIMENTAL FORMATION OF A MICROBIAL DEATH MASK. Palaios, 2012, 27, 293-303.	0.6	80
61	Molecular signature of chitin-protein complex in Paleozoic arthropods. Geology, 2011, 39, 255-258.	2.0	79
62	A Silurian sea spider. Nature, 2004, 431, 978-980.	13.7	77
63	Ancestral morphology of crown-group molluscs revealed by a new Ordovician stem aculiferan. Nature, 2017, 542, 471-474.	13.7	77
64	Assessment of bog-body tissue preservation by pyrolysis-gas chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 1997, 11, 1884-1890.	0.7	75
65	Molecular taphonomy of arthropod and plant cuticles from the Carboniferous of North America: implications for the origin of kerogen. Journal of the Geological Society, 1998, 155, 453-462.	0.9	73
66	The nature and significance of the appendages of Opabinia from the Middle Cambrian Burgess Shale. Lethaia, 2007, 40, 161-173.	0.6	73
67	Chemical Composition of Paleozoic and Mesozoic Fossil Invertebrate Cuticles As Revealed by Pyrolysisâ^'Gas Chromatography/Mass Spectrometry. Energy & Fuels, 1997, 11, 515-521.	2.5	72
68	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.	3.3	72
69	Decay of Branchiostoma : implications for softâ€tissue preservation in conodonts and other primitive chordates. Lethaia, 1993, 26, 275-287.	0.6	71
70	Experimental maturation of feathers: implications for reconstructions of fossil feather colour. Biology Letters, 2013, 9, 20130184.	1.0	71
71	Reinvestigation of the occurrence of cutan in plants: implications for the leaf fossil record. Paleobiology, 2006, 32, 432-449.	1.3	70
72	The role of experiments in investigating the taphonomy of exceptional preservation. Palaeontology, 2016, 59, 1-11.	1.0	70

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73	The biomolecular paleontology of continental fossils. Paleobiology, 2000, 26, 169-193.	1.3	68
74	Silurian brachiopods with soft-tissue preservation. Nature, 2005, 436, 1013-1015.	13.7	68
75	Threeâ€dimensional preservation of a nonâ€biomineralized arthropod in concretions in Silurian volcaniclastic rocks from Herefordshire, England. Journal of the Geological Society, 2000, 157, 173-186.	0.9	67
76	Post-Cambrian closure of the deep-water slope-basin taphonomic window. Geology, 2003, 31, 769.	2.0	67
77	Molecular preservation of plant and insect cuticles from the Oligocene Enspel Formation, Germany: Evidence against derivation of aliphatic polymer from sediment. Organic Geochemistry, 2007, 38, 404-418.	0.9	67
78	A Silurian armoured aplacophoran and implications for molluscan phylogeny. Nature, 2012, 490, 94-97.	13.7	66
79	Taphonomy of Nonmineralized Tissues. Topics in Geobiology, 1991, , 25-70.	0.6	66
80	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.	1.2	64
81	A Gondwanan Coastal Arthropod Ichnofauna from the Muth Formation (Lower Devonian, Northern) Tj ETQq1 1 0.784314 rgBT /Overl	0.6	63
82	Beyond Beecher's Trilobite Bed: Widespread pyritization of soft tissues in the Late Ordovician Taconic foreland basin. Geology, 2009, 37, 907-910.	2.0	62
83	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.	1.0	60
84	The Cambrian explosion. Current Biology, 2015, 25, R864-R868.	1.8	57
85	A 365-Million-Year-Old Freshwater Community Reveals Morphological and Ecological Stasis in Branchiopod Crustaceans. Current Biology, 2016, 26, 383-390.	1.8	57
86	TUZOIA: MORPHOLOGY AND LIFESTYLE OF A LARGE BIVALVED ARTHROPOD OF THE CAMBRIAN SEAS. Journal of Paleontology, 2007, 81, 445-471.	0.5	56
87	A starfish with three-dimensionally preserved soft parts from the Silurian of England. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1001-1006.	1.2	55
88	The oldest described eurypterid: a giant Middle Ordovician (Darriwilian) megalograptid from the Winneshiek LagerstÃtte of Iowa. BMC Evolutionary Biology, 2015, 15, 169.	3.2	54
89	Chitin in the fossil record: identification and quantification of d-glucosamine. Organic Geochemistry, 2001, 32, 745-754.	0.9	52
90	An exceptionally preserved myodocopid ostracod from the Silurian of Herefordshire, UK. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1539-1544.	1.2	52

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91	Fossilized soft tissues in a Silurian platyceratid gastropod. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1039-1044.	1.2	51
92	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.	1.2	51
93	Chemical preservation of insect cuticle from the Pleistocene asphalt deposits of California, USA. Geochimica Et Cosmochimica Acta, 1997, 61, 2247-2252.	1.6	49
94	THE FOSSILIZATION OF EURYPTERIDS: A RESULT OF MOLECULAR TRANSFORMATION. Palaios, 2007, 22, 439-447.	0.6	49
95	A mineralogical signature for Burgess Shaleâ€“type fossilization. Geology, 2018, 46, 347-350.	2.0	48
96	FACTORS CONTROLLING EXCEPTIONAL PRESERVATION IN CONCRETIONS. Palaios, 2015, 30, 272-280.	0.6	47
97	Experimental attachment of sediment particles to invertebrate eggs and the preservation of soft-bodied fossils. Journal of the Geological Society, 2004, 161, 735-738.	0.9	46
98	A molecular portrait of maternal sepsis from Byzantine Troy. ELife, 2017, 6, .	2.8	46
99	Ecdysis in sea scorpions (Chelicerata: Eurypterida). Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 265, 182-194.	1.0	45
100	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. Organic Geochemistry, 2013, 64, 29-37.	0.9	45
101	The taphonomy and affinities of the problematic fossilMyoscolexfrom the Lower Cambrian Emu Bay Shale of South Australia. Journal of Paleontology, 1997, 71, 22-32.	0.5	44
102	Molecular taphonomy of graptolites. Journal of the Geological Society, 2006, 163, 897-900.	0.9	44
103	Molecular structure of organic components in cephalopods: Evidence for oxidative cross linking in fossil marine invertebrates. Organic Geochemistry, 2008, 39, 1405-1414.	0.9	43
104	A phylogenomic resolution of the sea urchin tree of life. BMC Evolutionary Biology, 2018, 18, 189.	3.2	42
105	Nahecaris stuertzi, a phyllocarid crustacean from the Lower Devonian HunsrÃ¼ck Slate. Palaontologische Zeitschrift, 1987, 61, 273-298.	0.8	41
106	Molecular taphonomy of macrofossils from the Cretaceous Las Hoyas Formation, Spain. Cretaceous Research, 2008, 29, 1-8.	0.6	41
107	Three-dimensionally preserved minute larva of a great-appendage arthropod from the early Cambrian Chengjiang biota. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5542-5546.	3.3	40
108	Experimental mineralization of invertebrate eggs and the preservation of Neoproterozoic embryos. Geology, 2003, 31, 39.	2.0	39

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109	How Gerarus lost its head: stemâ€group Orthoptera and Paraneoptera revisited. Systematic Entomology, 2008, 33, 529-547.	1.7	39
110	PRESERVATION OF GIANT ANOMALOCARIDIDS IN SILICA-CHLORITE CONCRETIONS FROM THE EARLY ORDOVICIAN OF MOROCCO. Palaios, 2012, 27, 317-325.	0.6	39
111	A Carboniferous Non-Onychophoran Lobopodian Reveals Long-Term Survival of a Cambrian Morphotype. Current Biology, 2012, 22, 1673-1675.	1.8	38
112	Ichnological evidence for the environmental setting of the Fossil-LagerstÃtten in the Devonian HunsrÃ¼ck Slate, Germany. Geology, 1999, 27, 275.	2.0	37
113	Rapid incorporation of lipids into macromolecules during experimental decay of invertebrates: Initiation of geopolymer formation. Organic Geochemistry, 2009, 40, 589-594.	0.9	37
114	The implications of a Silurian and other thylacocephalan crustaceans for the functional morphology and systematic affinities of the group. BMC Evolutionary Biology, 2014, 14, 159.	3.2	37
115	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.	1.2	36
116	All the better to see you with: eyes and claws reveal the evolution of divergent ecological roles in giant pterygotid eurypterids. Biology Letters, 2015, 11, 20150564.	1.0	36
117	Elemental mapping of exceptionally preserved â€˜carbonaceous compressionâ€™ fossils. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 277, 1-8.	1.0	35
118	A 425-Million-Year-Old Silurian Pentastomid Parasitic on Ostracods. Current Biology, 2015, 25, 1632-1637.	1.8	35
119	The â€˜Tully monsterâ€™ is a vertebrate. Nature, 2016, 532, 496-499.	13.7	35
120	Metamorphosis in a Silurian barnacle. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2365-2369.	1.2	34
121	What big eyes you have: the ecological role of giant pterygotid eurypterids. Biology Letters, 2014, 10, 20140412.	1.0	34
122	Phylogenetic Significance of the Burgess Shale Crustacean Canadaspis. Acta Zoologica, 1992, 73, 293-300.	0.6	33
123	Taphonomy of the insects from the Insect Bed (Bembridge Marls), late Eocene, Isle of Wight, England. Geological Magazine, 1998, 135, 553-563.	0.9	32
124	A new arthropod from the Silurian Konservatâ€“LagerstÃtte of Herefordshire, UK. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1497-1504.	1.2	32
125	Giant Predators from the Cambrian of China. Science, 1994, 264, 1283-1284.	6.0	31
126	A Silurian â€˜marrellomorphâ€™ arthropod. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2223-2229.	1.2	31

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127	Phylogenetic and physiological signals in metazoan fossil biomolecules. Science Advances, 2020, 6, eaba6883.	4.7	31
128	Virtual Fossils from 425 Million-year-old Volcanic Ash. American Scientist, 2008, 96, 474.	0.1	30
129	Fossil biomolecules reveal an avian metabolism in theÂancestral dinosaur. Nature, 2022, 606, 522-526.	13.7	30
130	A new Ordovician arthropod from the Winneshiek LagerstÃtte of Iowa (USA) reveals the ground plan of eurypterids and chasmataspidids. Die Naturwissenschaften, 2015, 102, 63.	0.6	29
131	The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. Biological Conservation, 2014, 170, 137-144.	1.9	28
132	The function of the ophiuroid nerve ring: how a decentralized nervous system controls coordinated locomotion. Journal of Experimental Biology, 2018, 222, .	0.8	28
133	Shrimp-bearing sedimentary successions in the Lower Carboniferous (Dinantian) Cementstone and Oil Shale Groups of northern Britain. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1989, 80, 5-15.	1.0	27
134	The continuum in soft-bodied biotas from transitional environments: a quantitative comparison of Triassic and Carboniferous Konservat-LagerstÃtten. Paleobiology, 1990, 16, 204-218.	1.3	27
135	New arthropods from the Lower Devonian Hunsruck Slate (Lower Emsian, Rhenish Massif, western) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	27
136	Pollen and Spores. , 0, , 315-318.		26
137	A NEW SYNZIPHOSURINE (CHELICERATA: XIPHOSURA) FROM THE LATE LLANDOVERY (SILURIAN) WAUKESHA LAGERSTÃ„TTE, WISCONSIN, USA. Journal of Paleontology, 2005, 79, 242-250.	0.5	26
138	A new specimen ofWeinbergina opitzi (Chelicerata: Xiphosura) from the Lower Devonian Hunsriick Slate, Germany. Palaontologische Zeitschrift, 2005, 79, 399-408.	0.8	25
139	The origin of multiplacophorans â€“ convergent evolution in Aculiferan molluscs. Palaeontology, 2012, 55, 1007-1019.	1.0	25
140	SEDIMENT PERMEABILITY AND THE PRESERVATION OF SOFT-TISSUES IN CONCRETIONS: AN EXPERIMENTAL STUDY. Palaios, 2015, 30, 608-612.	0.6	25
141	Threeâ€dimensional soft tissue preservation revealed in the skin of a nonâ€avian dinosaur. Palaeontology, 2020, 63, 185-193.	1.0	25
142	Chemical signatures of soft tissues distinguish between vertebrates and invertebrates from the Carboniferous Mazon Creek LagerstÃtte of Illinois. Geobiology, 2020, 18, 560-565.	1.1	25
143	The Role of Biofilms in the Fossilization of Non-Biomineralized Tissues. , 2003, , 281-290.		25
144	Trackways-arthropod Locomotion. , 0, , 389-393.		24

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145	A 520 million-year-old chelicerate larva. Nature Communications, 2014, 5, 4440.	5.8	24
146	Palaeobiology of latest Ediacaran phosphorites from the upper Khesen Formation, Khuvsgul Group, northern Mongolia. Journal of Systematic Palaeontology, 2019, 17, 501-532.	0.6	24
147	Aluminosilicate haloes preserve complex life approximately 800 million years ago. Interface Focus, 2020, 10, 20200011.	1.5	24
148	Three-dimensionally preserved insects. Nature, 1996, 381, 30-31.	13.7	23
149	Extraordinary fossils reveal the nature of Cambrian life: a commentary on Whittington (1975) â€˜The enigmatic animal‹i›Opabinia regalis‹/i›, Middle Cambrian, Burgess Shale, British Columbiaâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140313.	1.8	23
150	Environmental controls on the taphonomy and distribution of Carboniferous malacostracan crustaceans. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 1989, 80, 293-301.	0.3	22
151	The Granton â€˜shrimp-bedâ€™, Edinburghâ€”a Lower Carboniferous Konservat-LagerstÃtte. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1991, 82, 65-85.	1.0	22
152	The fossil record of insect color illuminated by maturation experiments. Geology, 2013, 41, 487-490.	2.0	22
153	The Palaeozoic colonization of the water column and the rise of global nekton. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180883.	1.2	22
154	DISTINGUISHING REGURGITALITES AND COPROLITES: A CASE STUDY USING A TRIASSIC BROMALITE WITH SOFT TISSUE OF THE PSEUDOSUCHIAN ARCHOSAUR REVUELTOSAURUS. Palaios, 2020, 35, 111-121.	0.6	22
155	Early formation and taphonomic significance of kaolinite associated with Burgess Shale fossils. Geology, 2021, 49, 355-359.	2.0	22
156	THE CONTROLS ON THE PRESERVATION OF STRUCTURAL COLOR IN FOSSIL INSECTS. Palaios, 2012, 27, 443-454.	0.6	21
157	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.	1.2	21
158	Origin of Mammals. , 0, , 88-94.		20
159	Life in the Archaean. , 0, , 13-21.		20
160	Phyllocarid crustaceans from the Upper Devonian Gogo Formation, Western Australia. Journal of Systematic Palaeontology, 2011, 9, 399-424.	0.6	20
161	Exceptional three-dimensional preservation and coloration of an originally iridescent fossil feather from the Middle Eocene Messel Oil Shale. Palaontologische Zeitschrift, 2013, 87, 493-503.	0.8	20
162	Bivalved arthropods from the Middle Ordovician Winneshiek LagerstÃtte, Iowa, USA. Journal of Paleontology, 2015, 89, 991-1006.	0.5	20

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163	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.	3.3	20
164	Exceptionally preserved conodont apparatuses with giant elements from the Middle Ordovician Winneshiek Konservat-LagerstÃtte, Iowa, USA. Journal of Paleontology, 2017, 91, 493-511.	0.5	20
165	The Herefordshire LagerstÃtte: fleshing out Silurian marine life. Journal of the Geological Society, 2020, 177, 1-13.	0.9	20
166	Scorpions take to the water. Nature, 1987, 326, 645-646.	13.7	19
167	A Silurian short-great-appendage arthropod. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132986.	1.2	19
168	A Large Cambrian Chaetognath with Supernumerary Grasping Spines. Current Biology, 2017, 27, 2536-2543.e1.	1.8	19
169	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.	1.2	19
170	Role of Microbial Mats. , 0, , 280-284.		18
171	Rise and Diversification of Insects. , 0, , 82-88.		18
172	The Preservation of Invertebrates in 16th-Century Cesspits at St Saviourgate, York*. Archaeometry, 2004, 46, 157-169.	0.6	18
173	Seilacher, Konstruktionsâ€Morphologie, Morphodynamics, and the Evolution of form. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 197-206.	0.6	18
174	Crab in amber reveals an early colonization of nonmarine environments during the Cretaceous. Science Advances, 2021, 7, eabj5689.	4.7	18
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