

# Derek Briggs

## List of Publications by Citations

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369  
papers

11,052  
citations

62  
h-index

93  
g-index

386  
ext. papers

12,377  
ext. citations

7.7  
avg, IF

6.43  
L-index

#	Paper	IF	Citations
369	THE ROLE OF DECAY AND MINERALIZATION IN THE PRESERVATION OF SOFT-BODIED FOSSILS. <i>Annual Review of Earth and Planetary Sciences</i> , <b>2003</b> , 31, 275-301	15.3	371
368	Disparity as an evolutionary index: a comparison of Cambrian and Recent arthropods. <i>Paleobiology</i> , <b>1994</b> , 20, 93-130	2.6	268
367	Morphological disparity in the Cambrian. <i>Science</i> , <b>1992</b> , 256, 1670-3	33.3	212
366	Ordovician faunas of Burgess Shale type. <i>Nature</i> , <b>2010</b> , 465, 215-8	50.4	211
365	The conodont animal. <i>Lethaia</i> , <b>1983</b> , 16, 1-14	1.3	193
364	Taphonomy of insects in carbonates and amber. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2004</b> , 203, 19-64	2.9	190
363	Plumage color patterns of an extinct dinosaur. <i>Science</i> , <b>2010</b> , 327, 1369-72	33.3	183
362	Fossilization of soft tissue in the laboratory. <i>Science</i> , <b>1993</b> , 259, 1439-42	33.3	175
361	Decay and Mineralization of Shrimps. <i>Palaios</i> , <b>1994</b> , 9, 431	1.6	161
360	The role of the calcium carbonate-calcium phosphate switch in the mineralization of soft-bodied fossils. <i>Journal of the Geological Society</i> , <b>1996</b> , 153, 665-668	2.7	160
359	Phosphatization of soft-tissue in experiments and fossils. <i>Journal of the Geological Society</i> , <b>1993</b> , 150, 1035-1038	2.7	159
358	Controls on the formation of authigenic minerals in association with decaying organic matter: an experimental approach. <i>Geochimica Et Cosmochimica Acta</i> , <b>1999</b> , 63, 1083-1095	5.5	158
357	Preservation of Chitin in 25-Million-Year-Old Fossils. <i>Science</i> , <b>1997</b> , 276, 1541-1543	33.3	147
356	The early radiation and relationships of the major arthropod groups. <i>Science</i> , <b>1989</b> , 246, 241-3	33.3	147
355	Cambrian Burgess Shale animals replicated in clay minerals. <i>Science</i> , <b>1998</b> , 281, 1173-5	33.3	143
354	Exceptional fossil record: Distribution of soft-tissue preservation through the Phanerozoic. <i>Geology</i> , <b>1993</b> , 21, 527	5	137
353	Direct chemical evidence for eumelanin pigment from the Jurassic period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 10218-23	11.5	135

352	The colour of fossil feathers. <i>Biology Letters</i> , <b>2008</b> , 4, 522-5	3.6	135
351	Cambrian Burgess Shale-type deposits share a common mode of fossilization. <i>Geology</i> , <b>2008</b> , 36, 755	5	135
350	Molecular taphonomy of animal and plant cuticles: selective preservation and diagenesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>1999</b> , 354, 7-17	5.8	130
349	The affinities of conodonts: new evidence from the Carboniferous of Edinburgh, Scotland. <i>Lethaia</i> , <b>1986</b> , 19, 279-291	1.3	122
348	Decay and preservation of polychaetes: taphonomic thresholds in soft-bodied organisms. <i>Paleobiology</i> , <b>1993</b> , 19, 107-135	2.6	121
347	Ancient biomolecules: their origins, fossilization, and role in revealing the history of life. <i>BioEssays</i> , <b>2014</b> , 36, 482-90	4.1	111
346	An ostracode crustacean with soft parts from the Lower Silurian. <i>Science</i> , <b>2003</b> , 302, 1749-51	33.3	111
345	Recognition of chitin and proteins in invertebrate cuticles using analytical pyrolysis/gas chromatography and pyrolysis/gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>1996</b> , 10, 1747-57	2.2	110
344	Resistant biomacromolecules in the fossil record <sup>1</sup> . <i>Acta Botanica Neerlandica</i> , <b>1995</b> , 44, 319-342		104
343	Non-marine arthropod traces from the subaerial Ordovician Borrowdale Volcanic Group, English Lake District. <i>Geological Magazine</i> , <b>1994</b> , 131, 395-406	2	103
342	Anomalocaridid trunk limb homology revealed by a giant filter-feeder with paired flaps. <i>Nature</i> , <b>2015</b> , 522, 77-80	50.4	98
341	The Fezouata fossils of Morocco; an extraordinary record of marine life in the Early Ordovician. <i>Journal of the Geological Society</i> , <b>2015</b> , 172, 541-549	2.7	90
340	Taxonomic trends in the resolution of detail preserved in fossil phosphatized soft tissues. <i>Geobios</i> , <b>1997</b> , 30, 493-502	1.5	90
339	Evidence for the in situ polymerisation of labile aliphatic organic compounds during the preservation of fossil leaves: Implications for organic matter preservation. <i>Organic Geochemistry</i> , <b>2007</b> , 38, 499-522	3.1	90
338	Experimental evidence for the formation of geomacromolecules from plant leaf lipids. <i>Organic Geochemistry</i> , <b>2007</b> , 38, 28-36	3.1	89
337	Middle Cambrian arthropods from Utah. <i>Journal of Paleontology</i> , <b>2008</b> , 82, 238-254	1.1	87
336	Pyritization of soft-bodied fossils: Beecher's Trilobite Bed, Upper Ordovician, New York State. <i>Geology</i> , <b>1991</b> , 19, 1221	5	87
335	Fossilization of feathers. <i>Geology</i> , <b>1995</b> , 23, 783	5	86

- 334 Brood care in a Silurian ostracod. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 465-9.4.4 85
- 333 Structural coloration in a fossil feather. *Biology Letters*, **2010**, 6, 128-31 3.6 84
- 332 The cambrian evolutionary 'Explosion' recalibrated. *BioEssays*, **1997**, 19, 429-434 4.1 84
- 331 Role of microbial mats in the fossilization of soft tissues. *Geology*, **1996**, 24, 787 5 84
- 330 Microbial biofilms and the preservation of the Ediacara biota. *Lethaia*, **2011**, 44, 203-213 1.3 83
- 329 Understanding fossilization: Experimental pyritization of plants. *Geology*, **2001**, 29, 123 5 82
- 328 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
- 327 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
- 326 Experimental Taphonomy. *Palaios*, **1995**, 10, 539 1.6 78
- 325 A great-appendage arthropod with a radial mouth from the Lower Devonian Hunsrück Slate, Germany. *Science*, **2009**, 323, 771-3 33.3 76
- 324 Decay and Mineralization of Mantis Shrimps (Stomatopoda: Crustacea): A Key to Their Fossil Record. *Palaios*, **1997**, 12, 420 1.6 76
- 323 The mineralization of dinosaur soft tissue in the Lower Cretaceous of Las Hoyas, Spain. *Journal of the Geological Society*, **1997**, 154, 587-588 2.7 76
- 322 Soft-bodied fossils from a Silurian volcanoclastic deposit. *Nature*, **1996**, 382, 248-250 50.4 75
- 321 An exceptionally preserved vermiform mollusc from the Silurian of England. *Nature*, **2001**, 410, 461-3 50.4 73
- 320 The organic preservation of fossil arthropods: an experimental study. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 2777-83 4.4 72
- 319 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 2.7 70
- 318 Decay and composition of the hemichordate *Rhabdopleura*: implications for the taphonomy of graptolites. *Lethaia*, **1995**, 28, 15-23 1.3 69
- 317 Exceptionally preserved 450-million-year-old ordovician ostracods with brood care. *Current Biology*, **2014**, 24, 801-6 6.3 68

316	A giant Ordovician anomalocaridid. <i>Nature</i> , <b>2011</b> , 473, 510-3	50.4	68
315	Wonderful strife: systematics, stem groups, and the phylogenetic signal of the Cambrian radiation. <i>Paleobiology</i> , <b>2005</b> , 31, 94-112	2.6	66
314	Chemical Composition of Paleozoic and Mesozoic Fossil Invertebrate Cuticles As Revealed by Pyrolysis-Gas Chromatography/Mass Spectrometry. <i>Energy &amp; Fuels</i> , <b>1997</b> , 11, 515-521	4.1	65
313	Molecular signature of chitin-protein complex in Paleozoic arthropods. <i>Geology</i> , <b>2011</b> , 39, 255-258	5	64
312	Assessment of bog-body tissue preservation by pyrolysis-gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>1997</b> , 11, 1884-90	2.2	64
311	Mineralization of soft-part anatomy and invading microbes in the horseshoe crab <i>Mesolimulus</i> from the Upper Jurassic Lagerstätte of Nusplingen, Germany. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 272, 627-32	4.4	64
310	A Silurian armoured aplacophoran and implications for molluscan phylogeny. <i>Nature</i> , <b>2012</b> , 490, 94-7	50.4	62
309	A Silurian sea spider. <i>Nature</i> , <b>2004</b> , 431, 978-80	50.4	62
308	Silurian horseshoe crab illuminates the evolution of arthropod limbs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15702-5	11.5	60
307	EXPERIMENTAL FORMATION OF A MICROBIAL DEATH MASK. <i>Palaios</i> , <b>2012</b> , 27, 293-303	1.6	60
306	Molecular preservation of plant and insect cuticles from the Oligocene Enspel Formation, Germany: Evidence against derivation of aliphatic polymer from sediment. <i>Organic Geochemistry</i> , <b>2007</b> , 38, 404-418	3.1	60
305	Reinvestigation of the occurrence of cutan in plants: implications for the leaf fossil record. <i>Paleobiology</i> , <b>2006</b> , 32, 432-449	2.6	60
304	Post-Cambrian closure of the deep-water slope-basin taphonomic window. <i>Geology</i> , <b>2003</b> , 31, 769	5	60
303	The biomolecular paleontology of continental fossils. <i>Paleobiology</i> , <b>2000</b> , 26, 169-193	2.6	60
302	Taphonomy of Nonmineralized Tissues. <i>Topics in Geobiology</i> , <b>1991</b> , 25-70	0.2	59
301	Experimental maturation of feathers: implications for reconstructions of fossil feather colour. <i>Biology Letters</i> , <b>2013</b> , 9, 20130184	3.6	58
300	Decay of Branchiostoma: implications for soft-tissue preservation in conodonts and other primitive chordates. <i>Lethaia</i> , <b>1993</b> , 26, 275-287	1.3	58
299	Three-dimensional preservation of a non-biomineralized arthropod in concretions in Silurian volcanoclastic rocks from Herefordshire, England. <i>Journal of the Geological Society</i> , <b>2000</b> , 157, 173-186	2.7	57

298	A Field Guide to Finding Fossils on Mars. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 1012-1040.	4.1	54
297	Experimental evidence that clay inhibits bacterial decomposers: Implications for preservation of organic fossils. <i>Geology</i> , <b>2016</b> , 44, 867-870	5	54
296	The role of experiments in investigating the taphonomy of exceptional preservation. <i>Palaeontology</i> , <b>2016</b> , 59, 1-11	2.9	54
295	Ancestral morphology of crown-group molluscs revealed by a new Ordovician stem aculiferan. <i>Nature</i> , <b>2017</b> , 542, 471-474	50.4	53
294	The nature and significance of the appendages of Opabinia from the Middle Cambrian Burgess Shale. <i>Lethaia</i> , <b>2007</b> , 40, 161-173	1.3	51
293	Silurian brachiopods with soft-tissue preservation. <i>Nature</i> , <b>2005</b> , 436, 1013-5	50.4	51
292	Soft-Bodied Fossils Are Not Simply Rotten Carcasses - Toward a Holistic Understanding of Exceptional Fossil Preservation: Exceptional Fossil Preservation Is Complex and Involves the Interplay of Numerous Biological and Geological Processes. <i>BioEssays</i> , <b>2018</b> , 40, 1700167	4.1	51
291	Fossilization transforms vertebrate hard tissue proteins into N-heterocyclic polymers. <i>Nature Communications</i> , <b>2018</b> , 9, 4741	17.4	51
290	A 365-Million-Year-Old Freshwater Community Reveals Morphological and Ecological Stasis in Branchiopod Crustaceans. <i>Current Biology</i> , <b>2016</b> , 26, 383-90	6.3	49
289	A Gondwanan Coastal Arthropod Ichnofauna from the Muth Formation (Lower Devonian, Northern India): Paleoenvironment and Tracemaker Behavior. <i>Palaios</i> , <b>2001</b> , 16, 126-147	1.6	48
288	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> , <b>2004</b> , 47, 293-318	2.9	47
287	A three-dimensionally preserved fossil polychaete worm from the Silurian of Herefordshire, England. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2001</b> , 268, 2355-63	4.4	47
286	Beyond Beecher's Trilobite Bed: Widespread pyritization of soft tissues in the Late Ordovician Taconic foreland basin. <i>Geology</i> , <b>2009</b> , 37, 907-910	5	46
285	An exceptionally preserved myodocopid ostracod from the Silurian of Herefordshire, UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 1539-44	4.4	45
284	Chemical preservation of insect cuticle from the Pleistocene asphalt deposits of California, USA. <i>Geochimica Et Cosmochimica Acta</i> , <b>1997</b> , 61, 2247-2252	5.5	45
283	TUZOIA: MORPHOLOGY AND LIFESTYLE OF A LARGE BIVALVED ARTHROPOD OF THE CAMBRIAN SEAS. <i>Journal of Paleontology</i> , <b>2007</b> , 81, 445-471	1.1	44
282	Chitin in the fossil record: identification and quantification of d-glucosamine. <i>Organic Geochemistry</i> , <b>2001</b> , 32, 745-754	3.1	43
281	The taphonomy and affinities of the problematic fossil <i>Myoscolex</i> from the Lower Cambrian Emu Bay Shale of South Australia. <i>Journal of Paleontology</i> , <b>1997</b> , 71, 22-32	1.1	41

280	The Cambrian explosion. <i>Current Biology</i> , <b>2015</b> , 25, R864-8	6.3	38
279	How Gerarus lost its head: stem-group Orthoptera and Paraneoptera revisited. <i>Systematic Entomology</i> , <b>2008</b> , 33, 529-547	3.4	38
278	Ecdysis in sea scorpions (Chelicerata: Eurypterida). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2008</b> , 265, 182-194	2.9	37
277	Molecular taphonomy of graptolites. <i>Journal of the Geological Society</i> , <b>2006</b> , 163, 897-900	2.7	37
276	Experimental attachment of sediment particles to invertebrate eggs and the preservation of soft-bodied fossils. <i>Journal of the Geological Society</i> , <b>2004</b> , 161, 735-738	2.7	37
275	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. <i>Organic Geochemistry</i> , <b>2013</b> , 64, 29-37	3.1	36
274	A starfish with three-dimensionally preserved soft parts from the Silurian of England. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 272, 1001-6	4.4	36
273	The oldest described eurypterid: a giant Middle Ordovician (Darriwilian) megalograptid from the Winneshiek Lagerstätte of Iowa. <i>BMC Evolutionary Biology</i> , <b>2015</b> , 15, 169	3	35
272	THE FOSSILIZATION OF EURYPTERIDS: A RESULT OF MOLECULAR TRANSFORMATION. <i>Palaios</i> , <b>2007</b> , 22, 439-447	1.6	35
271	Molecular taphonomy of macrofossils from the Cretaceous Las Hoyas Formation, Spain. <i>Cretaceous Research</i> , <b>2008</b> , 29, 1-8	1.8	34
270	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> , <b>2007</b> , 274, 2099-107	4.4	34
269	A Carboniferous non-onychophoran lobopodian reveals long-term survival of a Cambrian morphotype. <i>Current Biology</i> , <b>2012</b> , 22, 1673-5	6.3	33
268	Molecular structure of organic components in cephalopods: Evidence for oxidative cross linking in fossil marine invertebrates. <i>Organic Geochemistry</i> , <b>2008</b> , 39, 1405-1414	3.1	33
267	Experimental mineralization of invertebrate eggs and the preservation of Neoproterozoic embryos. <i>Geology</i> , <b>2003</b> , 31, 39	5	33
266	The implications of a Silurian and other thylacocephalan crustaceans for the functional morphology and systematic affinities of the group. <i>BMC Evolutionary Biology</i> , <b>2014</b> , 14, 159	3	32
265	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> , <b>2013</b> , 280, 20122664	4.4	32
264	Fossilized soft tissues in a Silurian platyceratid gastropod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2006</b> , 273, 1039-44	4.4	32
263	Nahecaris stuartzi, a phyllocarid crustacean from the Lower Devonian Hunsrück Slate. <i>Palaontologische Zeitschrift</i> , <b>1987</b> , 61, 273-298	1.2	31

262	Metamorphosis in a Silurian barnacle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 272, 2365-9	4.4	30
261	FACTORS CONTROLLING EXCEPTIONAL PRESERVATION IN CONCRETIONS. <i>Palaios</i> , <b>2015</b> , 30, 272-280	1.6	29
260	What big eyes you have: the ecological role of giant pterygotid eurypterids. <i>Biology Letters</i> , <b>2014</b> , 10,	3.6	29
259	Rapid incorporation of lipids into macromolecules during experimental decay of invertebrates: Initiation of geopolymer formation. <i>Organic Geochemistry</i> , <b>2009</b> , 40, 589-594	3.1	29
258	All the better to see you with: eyes and claws reveal the evolution of divergent ecological roles in giant pterygotid eurypterids. <i>Biology Letters</i> , <b>2015</b> , 11,	3.6	28
257	Ichnological evidence for the environmental setting of the Fossil-Lagerstätten in the Devonian Hunsrück Slate, Germany. <i>Geology</i> , <b>1999</b> , 27, 275	5	28
256	Virtual Fossils from 425 Million-year-old Volcanic Ash. <i>American Scientist</i> , <b>2008</b> , 96, 474	2.7	28
255	A mineralogical signature for Burgess Shale-type fossilization. <i>Geology</i> , <b>2018</b> , 46, 347-350	5	28
254	A 425-million-year-old silurian pentastomid parasitic on ostracods. <i>Current Biology</i> , <b>2015</b> , 25, 1632-7	6.3	27
253	The 'Tully monster' is a vertebrate. <i>Nature</i> , <b>2016</b> , 532, 496-9	50.4	27
252	PRESERVATION OF GIANT ANOMALOCARIDIDS IN SILICA-CHLORITE CONCRETIONS FROM THE EARLY ORDOVICIAN OF MOROCCO. <i>Palaios</i> , <b>2012</b> , 27, 317-325	1.6	27
251	A new arthropod from the Silurian Konservat-Lagerstätte of Herefordshire, UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 267, 1497-504	4.4	27
250	Three-dimensionally preserved minute larva of a great-appendage arthropod from the early Cambrian Chengjiang biota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5542-6	11.5	27
249	A new Ordovician arthropod from the Winneshiek Lagerstätte of Iowa (USA) reveals the ground plan of eurypterids and chasmataspidids. <i>Die Naturwissenschaften</i> , <b>2015</b> , 102, 63	2	26
248	A molecular portrait of maternal sepsis from Byzantine Troy. <i>ELife</i> , <b>2017</b> , 6,	8.9	26
247	Giant predators from the cambrian of china. <i>Science</i> , <b>1994</b> , 264, 1283-4	33.3	26
246	A Silurian 'marrellomorph' arthropod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 2223-9	4.4	25
245	Taphonomy of the insects from the Insect Bed (Bembridge Marls), late Eocene, Isle of Wight, England. <i>Geological Magazine</i> , <b>1998</b> , 135, 553-563	2	24



244	Phylogenetic Significance of the Burgess Shale Crustacean <i>Canadaspis</i> . <i>Acta Zoologica</i> , <b>1992</b> , 73, 293-300.	0.8	24
243	Shrimp-bearing sedimentary successions in the Lower Carboniferous (Dinantian) Cementstone and Oil Shale Groups of northern Britain. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , <b>1989</b> , 80, 5-15		24
242	Elemental mapping of exceptionally preserved Carbonaceous compression fossils. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 277, 1-8	2.9	22
241	A new specimen of <i>Weinbergina opitzi</i> (Chelicerata: Xiphosura) from the Lower Devonian Hunsrück Slate, Germany. <i>Palaontologische Zeitschrift</i> , <b>2005</b> , 79, 399-408	1.2	22
240	The continuum in soft-bodied biotas from transitional environments: a quantitative comparison of Triassic and Carboniferous Konservat-Lagerstätten. <i>Paleobiology</i> , <b>1990</b> , 16, 204-218	2.6	22
239	A phylogenomic resolution of the sea urchin tree of life. <i>BMC Evolutionary Biology</i> , <b>2018</b> , 18, 189	3	22
238	The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. <i>Biological Conservation</i> , <b>2014</b> , 170, 137-144	6.2	21
237	A NEW SYNZIPHOSURINE (CHELICERATA: XIPHOSURA) FROM THE LATE LLANDOVERY (SILURIAN) WAUKESHA LAGERSTÄTTE, WISCONSIN, USA. <i>Journal of Paleontology</i> , <b>2005</b> , 79, 242-250	1.1	21
236	New arthropods from the Lower Devonian Hunsrück Slate (Lower Emsian, Rhenish Massif, western Germany). <i>Palaeontology</i> , <b>2001</b> , 44, 275-303	2.9	21
235	The origin of multiplacophorans [convergent evolution in Aculiferan molluscs. <i>Palaeontology</i> , <b>2012</b> , 55, 1007-1019	2.9	20
234	A 520 million-year-old chelicerate larva. <i>Nature Communications</i> , <b>2014</b> , 5, 4440	17.4	19
233	The fossil record of insect color illuminated by maturation experiments. <i>Geology</i> , <b>2013</b> , 41, 487-490	5	19
232	Exceptional three-dimensional preservation and coloration of an originally iridescent fossil feather from the Middle Eocene Messel Oil Shale. <i>Palaontologische Zeitschrift</i> , <b>2013</b> , 87, 493-503	1.2	19
231	Exceptionally preserved conodont apparatuses with giant elements from the Middle Ordovician Winneshiek Konservat-Lagerstätte, Iowa, USA. <i>Journal of Paleontology</i> , <b>2017</b> , 91, 493-511	1.1	18
230	Phyllocarid crustaceans from the Upper Devonian Gogo Formation, Western Australia. <i>Journal of Systematic Palaeontology</i> , <b>2011</b> , 9, 399-424	2.3	18
229	Three-dimensionally preserved insects. <i>Nature</i> , <b>1996</b> , 381, 30-31	50.4	18
228	The Granton [shrimp-bed] Edinburgh Lower Carboniferous Konservat-Lagerstätte. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , <b>1991</b> , 82, 65-85		18
227	The Role of Biofilms in the Fossilization of Non-Biomineralized Tissues <b>2003</b> , 281-290		18

226	Extraordinary fossils reveal the nature of Cambrian life: a commentary on Whittington (1975) 'The enigmatic animal <i>Opabinia regalis</i> , Middle Cambrian, Burgess Shale, British Columbia'. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 370,	5.8	17
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