

On the eve of animal radiation: phylogeny, ecology and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Osmotrophy in modular Ediacara organisms. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14438-14443.	3.3	133
2	Early animals out in the cold. Nature, 2009, 457, 672-673.	13.7	24
3	The evolutionary significance of ancient genome duplications. Nature Reviews Genetics, 2009, 10, 725-732.	7.7	919
4	An Integrated View of Precambrian Eumetazoan Evolution. Cold Spring Harbor Symposia on Quantitative Biology, 2009, 74, 65-80.	2.0	37
5	Paleodictyon nodosum: A living fossil on the deep-sea floor. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1700-1712.	0.6	56
6	Phase contrast synchrotron X-ray microtomography of Ediacaran (Doushantuo) metazoan microfossils: Phylogenetic diversity and evolutionary implications. Precambrian Research, 2009, 173, 191-200.	1.2	52
7	Reconstructing a lost world: Ediacaran rangeomorphs from Spaniard's Bay, Newfoundland. Journal of Paleontology, 2009, 83, 503-523.	0.5	92
8	New ediacaran rangeomorphs from Mistaken Point, Newfoundland, Canada. Journal of Paleontology, 2009, 83, 897-913.	0.5	30
9	<i>Yangtziramulus zhangii</i> new genus and species, a carbonate-hosted macrofossil from the Ediacaran Dengying Formation in the Yangtze Gorges area, South China. Journal of Paleontology, 2009, 83, 575-587.	0.5	34
10	Early origin of the bilaterian developmental toolkit. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2253-2261.	1.8	89
11	The rise of bilaterians. Historical Biology, 2009, 21, 99-114.	0.7	10
12	The rise of bilaterians: a reply. Historical Biology, 2009, 21, 239-246.	0.7	5
13	Fungi evolved right on track. Mycologia, 2009, 101, 810-822.	0.8	204
14	Ocean Chemistry and Early Animals. Science, 2010, 328, 53-54.	6.0	33
15	The cambrian substrate revolution and early evolution of the phyla. Journal of Earth Science (Wuhan), 2010, 22, 1-11.	1.9	16
16	A placozoan affinity for <i>Dickinsonia</i> and the evolution of late Proterozoic metazoan feeding modes. Evolution & Development, 2010, 12, 201-209.	1.1	158
17	Sponges (Porifera) as living metazoan witnesses from the Neoproterozoic: biomineralization and the concept of their evolutionary success. Terra Nova, 2010, 22, 1-11.	0.9	47
18	Possible animal-body fossils in pre-Marinoan limestones from South Australia. Nature Geoscience, 2010, 3, 653-659.	5.4	180

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19	Wringing out the oldest sponges. <i>Nature Geoscience</i> , 2010, 3, 597-598.	5.4	5
20	The hypothesis of basic phenotype modules. <i>Nature Precedings</i> , 2010, , .	0.1	0
21	The rise of bilaterians: a few closing comments. <i>Historical Biology</i> , 2010, 22, 433-436.	0.7	3
22	BIOSTRATINOMY OF THE LATE EDIACARAN PYRITIZED GAOJIASHAN LAGERSTATTE FROM SOUTHERN SHAANXI, SOUTH CHINA: IMPORTANCE OF EVENT DEPOSITS. <i>Palaios</i> , 2010, 25, 487-506.	0.6	86
23	Supercontinent tectonics and biogeochemical cycle: A matter of "life and death". <i>Geoscience Frontiers</i> , 2010, 1, 21-30.	4.3	36
24	The Ediacaran radiogenic Sr isotope excursion in the Doushantuo Formation in the Three Gorges area, South China. <i>Precambrian Research</i> , 2010, 176, 46-64.	1.2	202
25	Comment on Xiao et al. (2009), response to: the rise of bilaterians. <i>Historical Biology</i> , 2010, 22, 430-432.	0.7	1
26	Morphological evolution and embryonic developmental diversity in metazoa. <i>Development (Cambridge)</i> , 2010, 137, 531-539.	1.2	32
27	Ediacaran body and trace fossils in Miette Group (Windermere Supergroup) near Salient Mountain, British Columbia, Canada Revision of the paper was carried out by Dr. Guy Narbonne following the passing away of both Hans Hofmann (<sup>deceased May 19, 2010) and Eric Mountjoy (<sup>deceased June 18, 2010) after manuscript submission.. <i>Canadian Journal of Earth Sciences</i> , 2010, 47, 1305-1325.	0.6	22
28	Morphometrics in the Study of Ediacaran Fossil Forms. <i>Topics in Geobiology</i> , 2011, , 49-71.	0.6	4
29	Signaling Pathways and Axis Formation in the Lower Metazoa. <i>Current Topics in Developmental Biology</i> , 2011, 97, 137-177.	1.0	34
30	The Unique Invention of the Siliceous Sponges: Their Enzymatically Made Bio-Silica Skeleton. <i>Progress in Molecular and Subcellular Biology</i> , 2011, 52, 251-281.	0.9	12
31	Paleoecologic Megatrends in Marine Metazoa. <i>Annual Review of Earth and Planetary Sciences</i> , 2011, 39, 241-269.	4.6	99
32	Ecospace Utilization During the Ediacaran Radiation and the Cambrian Eco-explosion. <i>Topics in Geobiology</i> , 2011, , 111-133.	0.6	23
33	Ediacaran seawater temperature: Evidence from inclusions of Sinian halite. <i>Precambrian Research</i> , 2011, 184, 63-69.	1.2	64
34	Morphology and paleoecology of the late Ediacaran tubular fossil <i>Conotubus hemiannulatus</i> from the Gaojiashan Lagerstätte of southern Shaanxi Province, South China. <i>Precambrian Research</i> , 2011, 191, 46-57.	1.2	65
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36	The Cambrian Conundrum: Early Divergence and Later Ecological Success in the Early History of Animals. <i>Science</i> , 2011, 334, 1091-1097.	6.0	1,055

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37	The rise of predators. <i>Geology</i> , 2011, 39, 607-608.	2.0	83
38	Evolution of animal multicellularity stimulated by dissolved organic carbon in early Ediacaran ocean: DOXAM hypothesis. <i>Island Arc</i> , 2011, 20, 280-293.	0.5	8
39	Rangeomorphs, <i>Thectardis</i> (Porifera?) and dissolved organic carbon in the Ediacaran oceans. <i>Geobiology</i> , 2011, 9, 24-33.	1.1	85
40	Microbial biofilms and the preservation of the Ediacara biota. <i>Lethaia</i> , 2011, 44, 203-213.	0.6	102
41	<i>Eoandromeda</i> and the origin of <i>Ctenophora</i> . <i>Evolution & Development</i> , 2011, 13, 408-414.	1.1	57
42	Evolutionary uniformitarianism. <i>Developmental Biology</i> , 2011, 357, 27-34.	0.9	37
43	The Multiple Origins of Complex Multicellularity. <i>Annual Review of Earth and Planetary Sciences</i> , 2011, 39, 217-239.	4.6	424
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45	Ecological tiering and the evolution of a stem: the oldest stemmed frond from the Ediacaran of Newfoundland, Canada. <i>Journal of Paleontology</i> , 2012, 86, 193-200.	0.5	43
46	The Ediacaran Period. , 2012, , 413-435.		86
47	Preservational modes in the Ediacaran Gaojiashan Lagerstätte: Pyritization, aluminosilicification, and carbonaceous compression. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 326-328, 109-117.	1.0	108
48	Sustained low marine sulfate concentrations from the Neoproterozoic to the Cambrian: Insights from carbonates of northwestern Mexico and eastern California. <i>Earth and Planetary Science Letters</i> , 2012, 339-340, 79-94.	1.8	112
50	TAPHONOMY OF THE UPPER EDIACARAN ENIGMATIC RIBBONLIKE FOSSIL SHAANXILITHES. <i>Palaios</i> , 2012, 27, 354-372.	0.6	78
51	Evolution of Precambrian life in the Brazilian geological record. <i>International Journal of Astrobiology</i> , 2012, 11, 309-323.	0.9	23
52	LAGERSTATTEN THROUGH TIME: A COLLECTION OF EXCEPTIONAL PRESERVATIONAL PATHWAYS FROM THE TERMINAL NEOPROTEROZOIC THROUGH TODAY. <i>Palaios</i> , 2012, 27, 275-278.	0.6	24
53	EXPERIMENTAL FORMATION OF A MICROBIAL DEATH MASK. <i>Palaios</i> , 2012, 27, 293-303.	0.6	80
54	The advent of hard-part structural support among the Ediacara biota: Ediacaran harbinger of a Cambrian mode of body construction. <i>Geology</i> , 2012, 40, 307-310.	2.0	51
55	The Evolution of the Wnt Pathway. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a007922-a007922.	2.3	171

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57	Rare earth elements and carbon isotope geochemistry of the Doushantuo Formation in South China: Implication for middle Ediacaran shallow marine redox conditions. <i>Science Bulletin</i> , 2012, 57, 1998-2006.	1.7	34
58	A syn-depositional age for Earth's deepest ^{13}C excursion required by isotope conglomerate tests. <i>Terra Nova</i> , 2012, 24, 318-325.	0.9	31
59	Ecological drivers of the Ediacaran-Cambrian diversification of Metazoa. <i>Evolutionary Ecology</i> , 2012, 26, 417-433.	0.5	107
60	Ediacaran Mineralized Microfossils from the Basinal Facies of the Doushantuo Formation in Northwestern Hunan Province, South China. <i>Paleontological Research</i> , 2013, 17, 241-250.	0.5	2
61	Affirming life aquatic for the Ediacara biota in China and Australia. <i>Geology</i> , 2013, 41, 1095-1098.	2.0	88
62	Contingent interactions among biofilm-forming bacteria determine preservation or decay in the first steps toward fossilization of marine embryos. <i>Evolution & Development</i> , 2013, 15, 243-256.	1.1	33
64	Population structure of the oldest known macroscopic communities from Mistaken Point, Newfoundland. <i>Paleobiology</i> , 2013, 39, 591-608.	1.3	71
65	Dimensions of integration in interdisciplinary explanations of the origin of evolutionary novelty. <i>Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences</i> , 2013, 44, 537-550.	0.8	29
66	Reconstructing <i>Rangea</i> : new discoveries from the Ediacaran of southern Namibia. <i>Journal of Paleontology</i> , 2013, 87, 1-15.	0.5	66
67	Fossils come in to land. <i>Nature</i> , 2013, 493, 28-29.	13.7	27
68	The end of the Ediacara biota: Extinction, biotic replacement, or Cheshire Cat?. <i>Gondwana Research</i> , 2013, 23, 558-573.	3.0	220
69	The palaeobiology and geochemistry of Precambrian hydrocarbon source rocks. <i>Marine and Petroleum Geology</i> , 2013, 40, 1-47.	1.5	113
70	Paleoenvironmental analysis of Ediacaran strata in the Catalina Dome, Bonavista Peninsula, Newfoundland. <i>Canadian Journal of Earth Sciences</i> , 2013, 50, 197-212.	0.6	18
71	How well do fossil assemblages of the Ediacara Biota tell time?. <i>Geology</i> , 2013, 41, 447-450.	2.0	145
72	The Lantian biota: A new window onto the origin and early evolution of multicellular organisms. <i>Science Bulletin</i> , 2013, 58, 701-707.	1.7	27
73	The stratigraphic relationship between the Shuram carbon isotope excursion, the oxygenation of Neoproterozoic oceans, and the first appearance of the Ediacara biota and bilaterian trace fossils in northwestern Canada. <i>Chemical Geology</i> , 2013, 362, 250-272.	1.4	148
74	O registro fóssilífero de metazoários ediacaranos na América do Sul e suas implicações nos estudos sobre origem e complexificação da vida animal. <i>Geologia USP - Serie Científica</i> , 2013, 13, 51-64.	0.1	7

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75	Molecular phylogenetic, morphological and biogeographic evidence for a new genus of parabathynellid crustaceans (Syncarida : Bathynellacea) from groundwater in an ancient southern Australian landscape. <i>Invertebrate Systematics</i> , 2013, 27, 146.	0.5	13
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77	Experimental Decay of Soft Tissues. <i>The Paleontological Society Papers</i> , 2014, 20, 259-274.	0.8	18
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83	The Geologic History of Seawater. , 2014, , 569-622.		40
84	Birth and early evolution of metazoans. <i>Gondwana Research</i> , 2014, 25, 884-895.	3.0	99
85	Fluctuation of shelf basin redox conditions in the early Ediacaran: Evidence from Lantian Formation black shales in South China. <i>Precambrian Research</i> , 2014, 245, 1-12.	1.2	39
86	There is no such thing as the "Ediacara Biota"™. <i>Geoscience Frontiers</i> , 2014, 5, 53-62.	4.3	25
87	Microstructure and Biogeochemistry of the Organically Preserved Ediacaran Metazoan <i>Sabellidites</i> . <i>Journal of Paleontology</i> , 2014, 88, 224-239.	0.5	41
88	Taphonomy of the Ediacaran Fossil <i>Pteridinium Simplex</i> Preserved Three-Dimensionally in Mass Flow Deposits, Nama Group, Namibia. <i>Journal of Paleontology</i> , 2014, 88, 240-252.	0.5	27
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90	Patterns of Evolution of the Ediacaran Soft-Bodied Biota. <i>Journal of Paleontology</i> , 2014, 88, 269-283.	0.5	127
91	Affinities and Taphonomy of a Cambrian Discoid from Guizhou, South China. <i>Journal of Paleontology</i> , 2014, 88, 339-347.	0.5	3
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94	Deep-Water Ediacaran Fossils from Northwestern Canada: Taphonomy, Ecology, and Evolution. <i>Journal of Paleontology</i> , 2014, 88, 207-223.	0.5	75
95	A new Ediacaran fossil with a novel sediment displacive life habit. <i>Journal of Paleontology</i> , 2014, 88, 145-151.	0.5	24
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97	<i>Orbisiana linearis</i> from the early Ediacaran Lantian Formation of South China and its taphonomic and ecological implications. <i>Precambrian Research</i> , 2014, 255, 266-275.	1.2	22
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101	EXCEPTIONAL PRESERVATION OF MACROFOSSILS FROM THE EDIACARAN LANTIAN AND MIAOHE BIOTAS, SOUTH CHINA. <i>Palaios</i> , 2014, 29, 129-136.	0.6	18
102	Oxygen and animals in Earth history. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3907-3908.	3.3	63
103	Three-dimensional microCT analysis of the Ediacara fossil <i>Pteridinium simplex</i> sheds new light on its ecology and phylogenetic affinity. <i>Precambrian Research</i> , 2014, 249, 79-87.	1.2	19
104	An integrated carbon, oxygen, and strontium isotopic studies of the Lantian Formation in South China with implications for the Shuram anomaly. <i>Chemical Geology</i> , 2014, 373, 10-26.	1.4	41
105	Largest Ediacaran discs from the Jodhpur Sandstone, Marwar Supergroup, India: Their palaeobiological significance. <i>Geoscience Frontiers</i> , 2014, 5, 183-191.	4.3	21
107	New Ediacara fossils preserved in marine limestone and their ecological implications. <i>Scientific Reports</i> , 2014, 4, 4180.	1.6	93
108	Role of low intensity environmental disturbance in structuring the earliest (Ediacaran) macrobenthic tiered communities. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 434, 14-27.	1.0	26
109	Ancestral state reconstruction of ontogeny supports a bilaterian affinity for <i>Dickinsonia</i> . <i>Evolution & Development</i> , 2015, 17, 315-324.	1.1	73
110	Neoproterozoic peritidal phosphorite from the Sete Lagoas Formation (Brazil) and the Precambrian phosphorus cycle. <i>Sedimentology</i> , 2015, 62, 1978-2008.	1.6	46
111	Fossil and Transcriptomic Perspectives on the Origins and Success of Metazoan Multicellularity. <i>Advances in Marine Genomics</i> , 2015, , 31-46.	1.2	7

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112	Rise to modern levels of ocean oxygenation coincided with the Cambrian radiation of animals. <i>Nature Communications</i> , 2015, 6, 7142.	5.8	250
113	New Ediacaran fossils from the uppermost Blueflower Formation, northwest Canada: disentangling biostratigraphy and paleoecology. <i>Journal of Paleontology</i> , 2015, 89, 281-291.	0.5	19
115	New material of the biomineralizing tubular fossil <i>Sinotubulites</i> from the late Ediacaran Dengying Formation, South China. <i>Precambrian Research</i> , 2015, 261, 12-24.	1.2	50
116	The discs of Avalon: Relating discoid fossils to frondose organisms in the Ediacaran of Newfoundland, Canada. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 434, 34-45.	1.0	38
117	Stratigraphic expression of Earth's deepest $\delta^{13}\text{C}$ excursion in the Wonoka Formation of South Australia. <i>Numerische Mathematik</i> , 2015, 315, 1-45.	0.7	50
118	Ecological constraints on the origin of neurones. <i>Journal of Mathematical Biology</i> , 2015, 71, 1299-1324.	0.8	9
119	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 156, 173-193.	1.6	222
120	The advent of animals: The view from the Ediacaran. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4865-4870.	3.3	126
121	Assessing the veracity of Precambrian "sponge" fossils using in situ nanoscale analytical techniques. <i>Precambrian Research</i> , 2015, 263, 142-156.	1.2	37
122	Redox architecture of an Ediacaran ocean margin: Integrated chemostratigraphic ($\delta^{13}\text{C}$ - $\delta^{34}\text{S}$ - $\delta^{87}\text{Sr}/\delta^{86}\text{Sr}$ - Ce/Ce^*) correlation of the Doushantuo Formation, South China. <i>Chemical Geology</i> , 2015, 405, 48-62.	1.4	98
123	Was the Ediacaran-Cambrian radiation a unique evolutionary event?. <i>Paleobiology</i> , 2015, 41, 1-15.	1.3	32
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125	Ca and Mg isotope constraints on the origin of Earth's deepest $\delta^{13}\text{C}$ excursion. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 160, 243-266.	1.6	85
126	Dynamic evolution of the Ediacaran ocean across the Doushantuo Formation, South China. <i>Chemical Geology</i> , 2015, 417, 261-272.	1.4	22
127	Paleoecology of the enigmatic <i>Tribrachidium</i> : New data from the Ediacaran of South Australia. <i>Precambrian Research</i> , 2015, 269, 183-194.	1.2	33
128	Biotic replacement and mass extinction of the Ediacara biota. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151003.	1.2	103
129	Suspension feeding in the enigmatic Ediacaran organism <i>Tribrachidium</i> demonstrates complexity of Neoproterozoic ecosystems. <i>Science Advances</i> , 2015, 1, e1500800.	4.7	53
130	Taphonomy and morphology of the Ediacara form genus <i>Aspidella</i> . <i>Precambrian Research</i> , 2015, 257, 124-136.	1.2	66

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131	Remarkable insights into the paleoecology of the Avalonian Ediacaran macrobiota. <i>Gondwana Research</i> , 2015, 27, 1355-1380.	3.0	113
132	New data on the palaeobiology of the enigmatic yunnanozoans from the <i>C</i> -hengjiang <i>B</i> -iota, <i>L</i> -ower <i>C</i> -ambrian, <i>C</i> -hina. <i>Palaeontology</i> , 2015, 58, 45-70.	1.0	12
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136	An evolutionary comparative analysis of the medusozoan (Cnidaria) exoskeleton. <i>Zoological Journal of the Linnean Society</i> , 2016, 178, 206-225.	1.0	21
137	Two new Ediacaran small fronds from Mistaken Point, Newfoundland. <i>Journal of Paleontology</i> , 2016, 90, 183-194.	0.5	9
138	A mixed Ediacaran-metazoan assemblage from the Zaris Sub-basin, Namibia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 459, 198-208.	1.0	52
139	Ediacaran discs from South America: probable soft-bodied macrofossils unlock the paleogeography of the Clymene Ocean. <i>Scientific Reports</i> , 2016, 6, 30590.	1.6	45
140	Ediacaran distributions in space and time: testing assemblage concepts of earliest macroscopic body fossils. <i>Paleobiology</i> , 2016, 42, 574-594.	1.3	84
141	The Anthropocene: a conspicuous stratigraphical signal of anthropogenic changes in production and consumption across the biosphere. <i>Earth's Future</i> , 2016, 4, 34-53.	2.4	66
142	General models of ecological diversification. I. Conceptual synthesis. <i>Paleobiology</i> , 2016, 42, 185-208.	1.3	11
143	General models of ecological diversification. II. Simulations and empirical applications. <i>Paleobiology</i> , 2016, 42, 209-239.	1.3	11
144	Opening up a window into ecosystems with Ediacara-type organisms: preservation of molecular fossils in the Khatyspyt Lagerstätte (Arctic Siberia). <i>Palaontologische Zeitschrift</i> , 2016, 90, 659-671.	0.8	15
145	The end of the Ediacaran: Two new exceptionally preserved body fossil assemblages from Mount Dunfee, Nevada, USA. <i>Geology</i> , 2016, 44, 911-914.	2.0	66
146	The Ediacaran <i>Aspidella</i> -type impressions in the Jinxian successions of Liaoning Province, northeastern China. <i>Lethaia</i> , 2016, 49, 617-630.	0.6	5
147	Elucidating <i>Ernie</i> : new insights from exceptional specimens in the Ediacaran of Namibia. <i>Lethaia</i> , 2016, 49, 540-554.	0.6	33
148	RESEARCH FOCUS: Cracking the Neoproterozoic atmosphere?. <i>Geology</i> , 2016, 44, 687-688.	2.0	3

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149	Redox-dependent distribution of early macro-organisms: Evidence from the terminal Ediacaran Khatyspyt Formation in Arctic Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 461, 122-139.	1.0	57
150	New Data of Macrofossils in the Ediacaran Wenghui Biota from Guizhou, South China. <i>Acta Geologica Sinica</i> , 2016, 90, 1611-1628.	0.8	7
151	<i>Ernietta</i> from the late Ediacaran Nama Group, Namibia. <i>Journal of Paleontology</i> , 2016, 90, 1017-1026.	0.5	23
152	How diverse were early animal communities? An example from Ediacara Conservation Park, Flinders Ranges, South Australia. <i>Alcheringa</i> , 2016, 40, 407-421.	0.5	21
153	Animal: What Is an Animal?. , 2016, , 84-92.		0
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