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The role of fossils in the phylogenetic reconstruction of Echin

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#	Paper	IF	Citations
50	The A/P axis in echinoderm ontogeny and evolution: evidence from fossils and molecules. <i>Evolution & Development</i> , 2000, 2, 93-101	2.6	80
49	Are homalozoans echinoderms? An answer from the extraxial-axial theory. <i>Paleobiology</i> , 2000, 26, 529-556	1.5	101
48	Not all written in stone: interdisciplinary syntheses in echinoderm paleontology. <i>Canadian Journal of Zoology</i> , 2001, 79, 1209-1231	1.5	16
47	Earliest crinoids: New evidence for the origin of the dominant Paleozoic echinoderms. <i>Geology</i> , 2001, 29, 131	5	41
46	Probing the cassiduloid origins of clypeasteroid echinoids using stratigraphically restricted parsimony analysis. <i>Paleobiology</i> , 2001, 27, 392-404	2.6	28
45	A critical comment on Ekyroids (Echinodermata, Stylophora). <i>Geobios</i> , 2001, 34, 597-627	1.5	20
44	Palaeogeographical and palaeoecological aspects of the Cambro-Ordovician radiation of echinoderms in Gondwanan Africa and peri-Gondwanan Europe. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 195, 73-97	2.9	52
43	Arrays in rays: terminal addition in echinoderms and its correlation with gene expression. <i>Evolution & Development</i> , 2005, 7, 542-55	2.6	38
42	Palaeoanatomy and biological affinities of a Cambrian deuterostome (Stylophora). <i>Nature</i> , 2005, 438, 351-4	50.4	63
41	LATEST CAMBRIAN CORNUTES (ECHINODERMATA: STYLOPHORA) FROM THE TAEBAEKSAN BASIN, KOREA. <i>Journal of Paleontology</i> , 2005, 79, 139-151	1.1	16
40	Fossils in Phylogenetic Reconstruction. 2005,		
39	TREMADOCIAN STYLOPHORAN ECHINODERMS FROM THE TAEBAEKSAN BASIN, KOREA. <i>Journal of Paleontology</i> , 2006, 80, 1072-1086	1.1	7
38	Diversification of atypical Paleozoic echinoderms: a quantitative survey of patterns of stylophoran disparity, diversity, and geography. <i>Paleobiology</i> , 2006, 32, 483-510	2.6	16
37	New specimens of Lingulocystis Thoral, 1935 (Eocrinidea, Blastozoa) from the Arenig (Lower Ordovician) of Montagne noire (southern France): Intraspecific morphological variability, stratigraphic, and palaeoecological implications. <i>Annales De Paleontologie</i> , 2007, 93, 199-214	0.7	3
36	A developmental basis for the Cambrian radiation. <i>Zoological Science</i> , 2007, 24, 113-22	0.8	11
35	Ontogeny in the fossil record: diversification of body plans and the evolution of aberrant symmetry in Paleozoic echinoderms. <i>Paleobiology</i> , 2007, 33, 149-163	2.6	72
34	A New Middle Cambrian Stem-Group Echinoderm from Spain: Palaeobiological Implications of a Highly Asymmetric Cinctan. <i>Acta Palaeontologica Polonica</i> , 2008, 53, 207-220		23

33	Evaluating phylogenetic hypotheses of carpoids using stratigraphic congruence indices. <i>Lethaia</i> , 2009 , 42, 424-437	1.3	7
32	ICHOLOGICAL INSIGHTS INTO MITRATE PALAEOBIOLOGY. <i>Palaeontology</i> , 2009 , 52, 127-138	2.9	14
31	La radiation des échinodermes au Paléozoïque inférieur, l'exemple des blastozoaires. <i>Comptes Rendus - Palevol</i> , 2009 , 8, 179-188	1.6	9
30	The absence of echinoderms from the Lower Cambrian Chengjiang fauna of China: Palaeoecological and palaeogeographical implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010 , 294, 133-141	2.9	13
29	A hexamer origin of the echinoderms' five rays. <i>Evolution & Development</i> , 2011 , 13, 228-38	2.6	8
28	Echinoderm phylogeny including Xyloplax, a progenetic asteroid. <i>Systematic Biology</i> , 2011 , 60, 420-38	8.4	65
27	Dehmicyctis globulus, an enigmatic solute (Echinodermata) from the Lower Devonian Hunsrück Slate, Germany. <i>Palaontologische Zeitschrift</i> , 2012 , 86, 59-70	1.2	3
26	Chapter 13 Cambrian echinoderm diversity and palaeobiogeography. <i>Geological Society Memoir</i> , 2013 , 38, 157-171	0.4	23
25	The oldest echinoderm faunas from Gondwana show that echinoderm body plan diversification was rapid. <i>Nature Communications</i> , 2013 , 4, 1385	17.4	42
24	Chapter 14 Palaeobiogeography of Ordovician echinoderms. <i>Geological Society Memoir</i> , 2013 , 38, 173-198	8.4	27
23	Early phylogeny of crinoids within the pelmatozoan clade. <i>Palaeontology</i> , 2015 , 58, 937-952	2.9	37
22	Unusual ambulacral branching pattern in a new Ordovician giant edrioasteroid, Bizarroglobus. <i>Journal of Paleontology</i> , 2015 , 89, 353-359	1.1	1
21	Life on the seafloor: adaptations and strategies in Stylophora (Echinodermata). <i>Lethaia</i> , 2016 , 49, 365-378	3	3
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18	Phylogenetic taxonomy and classification of the Crinoidea (Echinodermata). <i>Journal of Paleontology</i> , 2017 , 91, 829-846	1.1	49
17	New insights concerning homology of the oral region and ambulacral system plating of pentaradial echinoderms. <i>Journal of Paleontology</i> , 2017 , 91, 604-617	1.1	6
16	Morphology, palaeoecology and phylogenetic interpretation of the Cambrian echinoderm Viscystis (Barrandian area, Czech Republic). <i>Journal of Systematic Palaeontology</i> , 2019 , 17, 1619-1634	2.3	1

15	Evolution and Development at the Origin of a Phylum. <i>Current Biology</i> , 2020 , 30, 1672-1679.e3	6.3	10
14	Exact Distribution of Divergence Times from Fossil Ages and Tree Topologies. <i>Systematic Biology</i> , 2020 , 69, 1068-1087	8.4	9
13	Death is on Our Side: Paleontological Data Drastically Modify Phylogenetic Hypotheses. <i>Systematic Biology</i> , 2020 , 69, 1052-1067	8.4	21
12	Estimating dispersal and evolutionary dynamics in diploporan blastozoans (Echinodermata) across the great Ordovician biodiversification event. <i>Paleobiology</i> , 2021 , 47, 198-220	2.6	5
11	Testing Character Evolution Models in Phylogenetic Paleobiology: A case study with Cambrian echinoderms. 2021 ,		6
10	Exact distribution of divergence times from fossil ages and tree topologies.		5
9	Oral region homologies in paleozoic crinoids and other plesiomorphic pentaradial echinoderms. <i>PLoS ONE</i> , 2013 , 8, e77989	3.7	43
8	Lifestyle of the Octoradiate Eoandromeda in the Ediacaran. <i>Paleontological Research</i> , 2020 , 24, 1	0.7	2
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5	A flays-as-appendages model for the origin of pentamerism in echinoderms. 1998 , 24, 200-214		9
4	Worms and gills, plates and spines: the evolutionary origins and incredible disparity of deuterostomes revealed by fossils, genes, and development.		0
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