

# Colin D Sumrall

## List of Publications by Year in descending order

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87  
papers

1,356  
citations

304368

22  
h-index

433756

31  
g-index

88  
all docs

88  
docs citations

88  
times ranked

518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ontogeny in the fossil record: diversification of body plans and the evolution of â€œaberrantâ€-symmetry in Paleozoic echinoderms. <i>Paleobiology</i> , 2007, 33, 149-163.	1.3	85
2	The role of fossils in the phylogenetic reconstruction of Echinodermata. <i>The Paleontological Society Papers</i> , 1997, 3, 267-288.	0.8	58
3	Systematics and paleoecology of Late Cambrian echinoderms from the western United States. <i>Journal of Paleontology</i> , 1997, 71, 1091-1109.	0.5	55
4	Ordovician edrioasteroids from Morocco: faunal exchanges across the Rheic Ocean. <i>Journal of Systematic Palaeontology</i> , 2011, 9, 425-454.	0.6	55
5	Oral Region Homologies in Paleozoic Crinoids and Other Plesiomorphic Pentaradial Echinoderms. <i>PLoS ONE</i> , 2013, 8, e77989.	1.1	53
6	Universal Elemental Homology in Glyptocystitoids, Hemicosmitoids, Coronoids and Blastoids: Steps Toward Echinoderm Phylogenetic Reconstruction in Derived Blastozoa. <i>Journal of Paleontology</i> , 2012, 86, 956-972.	0.5	51
7	Palaeoecological aspects of the diversification of echinoderms in the Lower Ordovician of central Anti-Atlas, Morocco. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 460, 97-121.	1.0	42
8	Thecal designs in isorophinid edrioasteroids. <i>Lethaia</i> , 1993, 26, 289-302.	0.6	38
9	<i>Kailidiscus</i> , a new plesiomorphic edrioasteroid from the basal Middle Cambrian Kaili biota of Guizhou Province, China. <i>Journal of Paleontology</i> , 2010, 84, 668-680.	0.5	36
10	Chapter 13 Cambrian echinoderm diversity and palaeobiogeography. <i>Geological Society Memoir</i> , 2013, 38, 157-171.	0.9	34
11	A Correction Corrected: Consensus Over the Meaning of Crocodylia and Why It Matters. <i>Systematic Biology</i> , 2009, 58, 537-543.	2.7	33
12	WHEN CLOCKS (AND COMMUNITIES) COLLIDE: ESTIMATING DIVERGENCE TIME FROM MOLECULES AND THE FOSSIL RECORD. <i>Journal of Paleontology</i> , 2004, 78, 1-6.	0.5	30
13	Chapter 14 Palaeobiogeography of Ordovician echinoderms. <i>Geological Society Memoir</i> , 2013, 38, 173-198.	0.9	30
14	THE BIOLOGICAL IMPLICATIONS OF AN EDRIOASTEROID ATTACHED TO A PLEUROCYSTITID RHOMBIFERAN. <i>Journal of Paleontology</i> , 2000, 74, 67-71.	0.5	28
15	Evolution and Development at the Origin of a Phylum. <i>Current Biology</i> , 2020, 30, 1672-1679.e3.	1.8	28
16	Late Paleozoic edrioasteroids (Echinodermata) from the North American Midcontinent. <i>Journal of Paleontology</i> , 1996, 70, 969-985.	0.5	27
17	AN EDRIOASTEROID-DOMINATED ECHINODERM ASSEMBLAGE FROM A LOWER PENNSYLVANIAN MARINE CONGLOMERATE IN OKLAHOMA. <i>Journal of Paleontology</i> , 2006, 80, 229-244.	0.5	26
18	Phylogenetic nomenclature and paleontology. <i>Journal of Paleontology</i> , 2001, 75, 754-757.	0.5	25

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19	Plating and pectinirhombs of the Ordovician rhombiferan <i>Plethoschisma</i> . Journal of Paleontology, 1995, 69, 772-778.	0.5	24
20	<i>Spiraclavus nacoensis</i> , a new species of clavate agelacrinitid edrioasteroid from central Arizona. Journal of Paleontology, 1992, 66, 90-98.	0.5	23
21	PALEOECOLOGY AND TAPHONOMY OF TWO NEW EDRIOASTEROIDS FROM A MISSISSIPPIAN HARDGROUND IN KENTUCKY. Journal of Paleontology, 2001, 75, 136-146.	0.5	23
22	Global lability, regional resolution, and majority-rule consensus bias. Paleobiology, 2001, 27, 254-261.	1.3	23
23	<i>Ponticulocarpus</i> , a new cornute-grade stylophoran from the Middle Cambrian Spence Shale of Utah. Journal of Paleontology, 1999, 73, 886-891.	0.5	22
24	<i>Giganticlavus</i> , a new genus of Pennsylvanian edrioasteroid from North America. Journal of Paleontology, 1996, 70, 986-993.	0.5	21
25	THE SYSTEMATICS OF POSTIBULLINID EDRIOASTEROIDS. Journal of Paleontology, 2000, 74, 72-83.	0.5	21
26	Modern cryptic species and crocodylian diversity in the fossil record. Zoological Journal of the Linnean Society, 2020, 189, 700-711.	1.0	21
27	Morphology and biomechanical implications of isolated discocystinid plates (Edrioasteroidea). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.6	17
28	COMPARISON OF FLATTENED BLASTOZOAN ECHINODERMS: INSIGHTS FROM THE NEW EARLY ORDOVICIAN EOCHRINOIDHAIMACYSTIS ROZHNOVI. Journal of Paleontology, 2001, 75, 985-992.	0.5	16
29	Morphological and systematic reinterpretation of two enigmatic edrioasteroids (Echinodermata) from Canada. Canadian Journal of Earth Sciences, 2006, 43, 497-507.	0.6	15
30	The phylogeny of the Diploporita: a polyphyletic assemblage of blastozoan echinoderms. Journal of Paleontology, 2019, 93, 740-752.	0.5	15
31	CHEIROCYSTIS FULTONENSIS, A NEW GLYPTOCYSTITOID RHOMBIFERAN FROM THE UPPER ORDOVICIAN OF THE CINCINNATI ARCHIPELAGO: COMMENTS ON CHEIROCRINID ONTOGENY. Journal of Paleontology, 2002, 76, 843.	0.5	14
32	A new, phylogenetically significant Early Ordovician asteroid (Echinodermata). Journal of Paleontology, 2007, 81, 1257-1265.	0.5	14
33	Allometric strategies for increasing respiratory surface area in the Mississippian blastoid <i>Pentremites</i> . Lethaia, 2009, 42, 127-137.	0.6	13
34	<i>Kailidiscus</i> , a new plesiomorphic edrioasteroid from the basal Middle Cambrian Kaili biota of Guizhou Province, China. Journal of Paleontology, 2010, 84, 668-680.	0.5	13
35	New Upper Ordovician edrioasteroids from Morocco. Geological Society Special Publication, 2018, , SP485.6.	0.8	13
36	Paleoecology and taphonomy of two new edrioasteroids from a Mississippian hardground in Kentucky. Journal of Paleontology, 2001, 75, 136-146.	0.5	12

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37	A new species of the dual-mouthed paracrinoid <i>Bistomiacystis</i> and a redescription of the <i>Edrioasteroid edrioaster</i> <i>priscus</i> from the Upper Ordovician Curdsville Member of the Lexington Limestone. <i>Journal of Paleontology</i> , 2009, 83, 135-139.	0.5	12
38	A new model of respiration in blastoid (Echinodermata) hydrospires based on computational fluid dynamic simulations of virtual 3D models. <i>Journal of Paleontology</i> , 2017, 91, 662-671.	0.5	12
39	Generic revision of the Holocystitidae of North America (Diploporita, Echinodermata) based on universal elemental homology. <i>Journal of Paleontology</i> , 2017, 91, 755-766.	0.5	12
40	The Systematics of a New Upper Ordovician Edrioasteroid Pavement from Northern Kentucky. <i>Journal of Paleontology</i> , 2010, 84, 783-794.	0.5	11
41	A new stemmed echinoderm from the Furongian of China and the origin of Glyptocystitida (Blastozoa). <i>Tj ETQq1 1 0,784314,rgBT /Over 1F</i>	0.9	11
42	A re-interpretation of the ambulacral system of <i>Eumorphocystis</i> (Blastozoa, Echinodermata) and its bearing on the evolution of early crinoids. <i>Palaeontology</i> , 2019, 62, 163-173.	1.0	11
43	Resolution, sampling, higher taxa and assumptions in stratocladistic analysis. <i>Journal of Paleontology</i> , 2003, 77, 189-194.	0.5	10
44	THE SYSTEMATICS AND ONTOGENY OF PYRGOPOSTIBULLA BELLI, A NEW EDRIOASTEROID (ECHINODERMATA) FROM THE LOWER DEVONIAN OF NEW YORK. <i>Journal of Paleontology</i> , 2006, 80, 187-192.	0.5	10
45	An enigmatic blastozoan echinoderm fauna from central kentucky. <i>Journal of Paleontology</i> , 2009, 83, 739-749.	0.5	10
46	Hydrospire morphology and implications for blastoid phylogeny. <i>Journal of Paleontology</i> , 2017, 91, 847-857.	0.5	10
47	Redescription of <i>Macurdablastus</i> and redefinition of Eublastoidea as a clade of Blastoidea (Echinodermata). <i>Palaeontology</i> , 2019, 62, 1003-1013.	1.0	10
48	Morphological volatility precedes ecological innovation in early echinoderms. <i>Nature Ecology and Evolution</i> , 2022, 6, 263-272.	3.4	10
49	Comparison of flattened Blastozoan echinoderms: Insights from the new Early Ordovician Eocrinoid <i>Haimacystis rozhnovi</i> . <i>Journal of Paleontology</i> , 2001, 75, 985-992.	0.5	9
50	New recumbent echinoderm genera from the Bois d'Arc Formation: Lower Devonian (Lochkovian) of Coal County, Oklahoma. <i>Journal of Paleontology</i> , 2007, 81, 1486-1493.	0.5	9
51	New insights concerning homology of the oral region and ambulacral system plating of pentaradial echinoderms. <i>Journal of Paleontology</i> , 2017, 91, 604-617.	0.5	9
52	Re-evaluating the phylogenetic position of the enigmatic early Cambrian deuterostome <i>Yanjiahella</i> . <i>Nature Communications</i> , 2020, 11, 1286.	5.8	9
53	SUTURE MODIFICATION BY PECTINIRHOMB GROWTH INLEPADOCYSTIS DECORUS, A NEW SPECIES OF CALLOCYSTITID GLYPTOCYSTITID RHOMBIFERAN (ECHINODERMATA) FROM ILLINOIS. <i>Journal of Paleontology</i> , 2000, 74, 487-491.	0.5	8
54	Heterochrony and paedomorphic morphology of <i>Sprinkleocystis ektopios</i> , new genus and species, (Rhombifera, Glyptocystida) from the Middle Ordovician (Caradoc) of Tennessee. <i>Journal of Paleontology</i> , 2003, 77, 113-120.	0.5	8

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55	First Definite Record Of Permian Edrioasteroids: <i>Neosisorophusella maslennikovi</i> n. sp. from the Kungurian of northeast Russia. <i>Journal of Paleontology</i> , 2009, 83, 990-993.	0.5	8
56	New edrioasterine and astrocystitid (Echinodermata: Edrioasteroidea) from the Ninemile Shale (Lower) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	8
57	Early post-metamorphic, Carboniferous blastoid reveals the evolution and development of the digestive system in echinoderms. <i>Biology Letters</i> , 2015, 11, .	1.0	8
58	A new species of the dual-mouthed paracrinoïd <i>Bistomiacystis</i> and a redescription of the <i>Edrioasteroid edrioaster</i> <i>priscus</i> from the Upper Ordovician Curdsville Member of the Lexington Limestone. <i>Journal of Paleontology</i> , 2009, 83, 135-139.	0.5	8
59	<i>Cheirocystis fultonensis</i> , a new glyptocystitoid rhombiferan from the Upper Ordovician of the Cincinnati Arch – comments on cheirocrinid ontogeny. <i>Journal of Paleontology</i> , 2002, 76, 843-851.	0.5	7
60	<i>Cardiocystella</i> , a new cornute stylophoran from the Upper Cambrian Whipple Cave Formation, Eastern Nevada, USA. <i>Journal of Paleontology</i> , 2009, 83, 307-312.	0.5	7
61	A new agelacrinitid edrioasteroid attached to a large hardground clast from the McKenzie Member of the Mifflintown Member (Silurian) of Pennsylvania. <i>Journal of Paleontology</i> , 2009, 83, 794-803.	0.5	7
62	Morphometric investigation of the <i>Pentremites</i> fauna from the Glen Dean Formation, Kentucky. <i>Journal of Paleontology</i> , 2012, 86, 813-828.	0.5	7
63	Morphologic and systematic revision of the solute <i>Maennilia estonica</i> (Homoiostelea, Echinodermata) from the Upper Ordovician of Estonia. <i>Journal of Paleontology</i> , 2012, 86, 462-469.	0.5	6
64	Nonlandmark classification in paleobiology: computational geometry as a tool for species discrimination. <i>Paleobiology</i> , 2016, 42, 696-706.	1.3	6
65	Late Ordovician (Hirnantian) diploporitan fauna of Anticosti Island, Quebec, Canada: implications for evolutionary and biogeographic patterns. <i>Canadian Journal of Earth Sciences</i> , 2018, 55, 1-7.	0.6	6
66	A reinterpretation of the solute <i>Plasiacystis mobilis</i> (Echinodermata) from the Middle Ordovician of Bohemia*. <i>Zoosymposia</i> , 2012, 7, 287-306.	0.3	6
67	Ambulacral growth allometry in edrioasteroids: functional surface-volume change in ontogeny and phylogeny. <i>Lethaia</i> , 2011, 44, 102-108.	0.6	5
68	The first report of South American edrioasteroids and the paleoecology and ontogeny of rhenopyrgid echinoderms. <i>Acta Palaeontologica Polonica</i> , 0, , .	0.4	3
69	Early Ordovician mitrates and a possible solute (Echinodermata) from the western United States. <i>Journal of Paleontology</i> , 2012, 86, 595-604.	0.5	3
70	A columnal-bearing eocrinoid from the Cambrian Burgess Shale (British Columbia, Canada). <i>Journal of Paleontology</i> , 2015, 89, 366-368.	0.5	3
71	PALEOECOLOGIC ANALYSIS OF EDRIOASTEROID (ECHINODERMATA) ENCRUSTED SLABS FROM THE CHESTERIAN (UPPER MISSISSIPPIAN) KINKAID LIMESTONE OF SOUTHERN ILLINOIS. <i>Palaios</i> , 2019, 34, 146-158.	0.6	3
72	<i>Hexedriocystis</i> , an aberrant echinoderm from the Upper Ordovician of Morocco. <i>Geological Society Special Publication</i> , 2019, , SP485-2017-213.	0.8	3

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73	Ostracodes from the Naco Formation (Upper Carboniferous) at the Kohl Ranch locality, central Arizona. <i>Journal of Paleontology</i> , 1999, 73, 454-460.	0.5	2
74	A new species of <i>Anartiocystis</i> (Callocystitida, Glyptocystitida) from the Brassfield Formation of central Kentucky. <i>Journal of Paleontology</i> , 2002, 76, 918-920.	0.5	2
75	New long-stemmed eocrinoid from the Furongian Point Peak Shale Member of the Wilberns Formation, central Texas. <i>Journal of Paleontology</i> , 2015, 89, 189-193.	0.5	2
76	Edrioasteroids on corals: Taphonomic feedback and sedimentary processes control the ecology of a Late Ordovician (Katian: Cincinnati, Richmondian) community in central Kentucky, USA. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 537, 109447.	1.0	2
77	Modern phylogenetics in paleontology: comments on Vermeij 1999. <i>Paleobiology</i> , 2001, 27, 174-176.	1.3	2
78	Cambrian edrioasteroid reveals new mechanism for secondary reduction of the skeleton in echinoderms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212733.	1.2	2
79	A revision of <i>Novacystis hawkesi</i> Paul and Bolton 1991 (Middle Silurian: Glyptocystitida,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	0.5	1
80	Unusual ambulacral branching pattern in a new Ordovician giant edrioasteroid, <i>Bizarroglobus</i> . <i>Journal of Paleontology</i> , 2015, 89, 353-359.	0.5	1
81	Ordovician sponges from the Lenoir Limestone, Tennessee: new evidence for a differential sponge distribution along the margins of Laurentia. <i>Journal of Paleontology</i> , 2020, 94, 34-44.	0.5	1
82	<i>Spiracarneyella</i> , a new carneyellid edrioasteroid from the Upper Ordovician (Katian) of Kentucky and Ohio and comments on carneyellid heterochrony. <i>Journal of Paleontology</i> , 2021, 95, 624-629.	0.5	1
83	Revising the Rhombiferan Radiation: A New Look At Morphology, Diversity, Phylogeny, and Paleoecology. <i>The Paleontological Society Special Publications</i> , 1996, 8, 368-368.	0.0	0
84	NOTICE OF TRANSFER OF THE UNIVERSITY OF CINCINNATI PALEONTOLOGY COLLECTIONS TO CINCINNATI MUSEUM CENTER. <i>Journal of Paleontology</i> , 2000, 74, 1198-1198.	0.5	0
85	Phylogenetics and the Integration of Paleontology Within the Life Sciences. <i>The Paleontological Society Papers</i> , 2008, 14, 185-204.	0.8	0
86	Viewing Paleobiology Through the Lens of Phylogeny. <i>The Paleontological Society Papers</i> , 2008, 14, 165-183.	0.8	0
87	Presentation of the 2016 Paleontological Society Pojeta Award to Ronald Parsley. <i>Journal of Paleontology</i> , 2018, 92, 942-942.	0.5	0