

# Sam Giles

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

790  
citations

567281

15  
h-index

552781

26  
g-index

46  
all docs

46  
docs citations

46  
times ranked

600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteichthyan-like cranial conditions in an Early Devonian stem gnathostome. <i>Nature</i> , 2015, 520, 82-85.	27.8	104
2	Early members of "living fossil" lineage imply later origin of modern ray-finned fishes. <i>Nature</i> , 2017, 549, 265-268.	27.8	85
3	Barriers to fieldwork in undergraduate geoscience degrees. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 77-78.	29.7	64
4	Histology of "placoderm" dermal skeletons: Implications for the nature of the ancestral gnathostome. <i>Journal of Morphology</i> , 2013, 274, 627-644.	1.2	58
5	Virtual reconstruction of endocast anatomy in early ray-finned fishes (Osteichthyes, Actinopterygii). <i>Journal of Paleontology</i> , 2014, 88, 636-651.	0.8	43
6	The Oldest Actinopterygian Highlights the Cryptic Early History of the Hyperdiverse Ray-Finned Fishes. <i>Current Biology</i> , 2016, 26, 1602-1608.	3.9	38
7	Endochondral bone in an Early Devonian "placoderm" from Mongolia. <i>Nature Ecology and Evolution</i> , 2020, 4, 1477-1484.	7.8	38
8	A UK perspective on tackling the geoscience racial diversity crisis in the Global North. <i>Nature Geoscience</i> , 2021, 14, 256-259.	12.9	38
9	Endoskeletal structure in <i>Cheirolepis</i> (Osteichthyes, Actinopterygii), An early ray-finned fish. <i>Palaeontology</i> , 2015, 58, 849-870.	2.2	36
10	Teeth before jaws? Comparative analysis of the structure and development of the external and internal scales in the extinct jawless vertebrate <i>Oganellia scotica</i> . <i>Evolution &amp; Development</i> , 2011, 13, 523-532.	2.0	34
11	An exceptionally preserved Late Devonian actinopterygian provides a new model for primitive cranial anatomy in ray-finned fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151485.	2.6	34
12	A new stem sarcopterygian illuminates patterns of character evolution in early bony fishes. <i>Nature Communications</i> , 2017, 8, 1932.	12.8	28
13	Neurocranial anatomy of an enigmatic Early Devonian fish sheds light on early osteichthyan evolution. <i>ELife</i> , 2018, 7, .	6.0	24
14	Internal cranial anatomy of Early Triassic species of <i>Saurichthys</i> (Actinopterygii: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Saurichthys). <i>Evolutionary Biology</i> , 2018, 18, 161.	3.2	21
15	Endocast and Bony Labyrinth of a Devonian "Placoderm" Challenges Stem Gnathostome Phylogeny. <i>Current Biology</i> , 2021, 31, 1112-1118.e4.	3.9	18
16	The "Tully Monster" is not a vertebrate: characters, convergence and taphonomy in Palaeozoic problematic animals. <i>Palaeontology</i> , 2017, 60, 149-157.	2.2	17
17	A giant dapediid from the Late Triassic of Switzerland and insights into neopterygian phylogeny. <i>Royal Society Open Science</i> , 2018, 5, 180497.	2.4	17
18	Bony labyrinth morphology in early neopterygian fishes (Actinopterygii: Neopterygii). <i>Journal of Morphology</i> , 2018, 279, 426-440.	1.2	14

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19	Feeding structures in the ray-finned fish <i>Eurynotus crenatus</i> (Actinopterygii: Eurynotiformes): implications for trophic diversification among Carboniferous actinopterygians. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 33-47.	0.3	14
20	Morphology and phylogenetic relationships of fossil snake mackerels and cutlassfishes (Trichiuroidea) from the Eocene (Ypresian) London Clay Formation. <i>Papers in Palaeontology</i> , 2018, 4, 577-603.	1.5	9
21	Comparative anatomy of the gill skeleton of fossil Aulopiformes (Teleostei: Eurypterygii). <i>Journal of Systematic Palaeontology</i> , 2018, 16, 1221-1245.	1.5	7
22	A large, anatomically primitive tristichopterid (Sarcopterygii: Tetrapodomorpha) from the Late Devonian (Frasnian) Alves Beds, Upper Old Red Sandstone, Moray, Scotland. <i>Scottish Journal of Geology</i> , 2014, 50, 79-85.	0.1	5
23	A new actinopterygian from the Late Devonian Gogo Formation, Western Australia. <i>Papers in Palaeontology</i> , 2019, 5, 343-363.	1.5	5
24	Actinopterygians: The Ray-Finned Fishes – An Explosion of Diversity. <i>Springer Handbook of Auditory Research</i> , 2016, , 17-49.	0.7	5
25	Straight-washing ecological legacies. <i>Nature Ecology and Evolution</i> , 2019, 3, 1611-1611.	7.8	4
26	Diverse stem-chondrichthyan oral structures and evidence for an independently acquired acanthodid dentition. <i>Royal Society Open Science</i> , 2021, 8, 210822.	2.4	4
27	A Permian fish reveals widespread distribution of neopterygian-like jaw suspension. <i>ELife</i> , 2022, 11, .	6.0	4
28	Redescription of the cranial skeleton of the Early Devonian (Emsian) sarcopterygian <i>Durialepis edentatus</i> Otto (Dipnomorpha, Porolepiformes). <i>Papers in Palaeontology</i> , 2021, 7, 789-806.	1.5	3
29	Cranial osteology of the Middle Jurassic (Callovian) <i>Martillichthys renwickae</i> (Neopterygii). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i> <i>Papers in Palaeontology</i> , 2021, 7, 111-136.	1.5	2
30	Neurocranium and endocranial anatomy of a new large Triassic dapediid.. <i>MorphoMuseuM</i> , 2018, 4, e44.	0.2	0