Zerina Johanson

List of Publications by Year
in descending order

121	2,865	186209 28	223716 46
papers	citations	h-index	g-index

127	127	127	1663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanisms of dermal bone repair after predatory attack in the giant stemâ€group teleost Leedsichthys problematicus Woodward, 1889a (Pachycormiformes). Journal of Anatomy, 2022, 241, 393-406.	0.9	5
2	Feeding in the Devonian antiarch placoderm fishes: a study based upon morphofunctional analysis of jaws. Journal of Paleontology, 2022, 96, 1413-1430.	0.5	3
3	Cranial osteology of the Middle Jurassic (Callovian) Martillichthys renwickae (Neopterygii,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Papers in Palaeontology, 2021, 7, 111-136.	0.7	2
4	Ontogenetic development of the holocephalan dentition: Morphological transitions of dentine in the absence of teeth. Journal of Anatomy, 2021, 239, 704-719.	0.9	0
5	Acanthodian dental development and the origin of gnathostome dentitions. Nature Ecology and Evolution, 2021, 5, 919-926.	3.4	14
6	Paleontology: There are more placoderms in the sea. Current Biology, 2021, 31, R1012-R1014.	1.8	1
7	Mineralization of the Callorhinchus Vertebral Column (Holocephali; Chondrichthyes). Frontiers in Genetics, 2020, 11, 571694.	1.1	14
8	Vertebrate Evolution: Jawless Heads Go with the Flow. Current Biology, 2020, 30, R1431-R1433.	1.8	1
9	Hyperossification in the vertebral column of Devonian placoderm fishes (Arthrodira). Journal of Vertebrate Paleontology, 2020, 40, e1766477.	0.4	3
10	Evolutionary trends of the conserved neurocranium shape in angel sharks (Squatiniformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 To	1.6	4
11	A New Look at Carboniferous Rhizodontid Humeri (Sarcopterygii; Tetrapodomorpha)Citation for this article: Johanson, Z., J. Jeffery, T. Challands, S. E. Pierce, and J. A. Clack. 2020. A new look at Carboniferous rhizodontid humeri (Sarcopterygii; Tetrapodomorpha). Journal of Vertebrate Paleontology. DOI: 10.1080/02724634.2020.1813150.. Journal of Vertebrate Paleontology, 2020, 40, .	0.4	2
12	Grand Challenges in Comparative Tooth Biology. Integrative and Comparative Biology, 2020, 60, 563-580.	0.9	10
13	Holocephalan (Chondrichthyes) dental plates with hypermineralized dentine as a substitute for missing teeth through developmental plasticity. Journal of Fish Biology, 2020, 97, 16-27.	0.7	12
14	Marginal dentition and multiple dermal jawbones as the ancestral condition of jawed vertebrates. Science, 2020, 369, 211-216.	6.0	31
15	Evolution of the Dentition in Holocephalans (Chondrichthyes) Through Tissue Disparity. Integrative and Comparative Biology, 2020, 60, 630-643.	0.9	12
16	Growth and mineralogy in dental plates of the holocephalan Harriotta raleighana (Chondrichthyes): novel dentine and conserved patterning combine to create a unique chondrichthyan dentition. Zoological Letters, 2019, 5, 11.	0.7	20
17	The Synarcual of the Little Skate, Leucoraja erinacea: Novel Development Among the Vertebrates. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	12
18	3D models related to the publication: Ontogenetic development of the otic region in the new model organism, Leucoraja erinacea (Chondrichthyes; Rajidae). Â. MorphoMuseuM, 2019, 5, e78.	0.1	0

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19	Development and evolution of tooth renewal in neoselachian sharks as a model for transformation in chondrichthyan dentitions. Journal of Anatomy, 2018, 232, 891-907.	0.9	17
20	Ontogenetic development of the otic region in the new model organism, Leucoraja erinacea (Chondrichthyes; Rajidae). Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2018, 109, 105-114.	0.3	5
21	Evolution of Vertebrate Reproduction. , 2018, , 207-226.		4
22	The Evolution of Fishes through Geological Time. , 2018, , 3-29.		3
23	Comparative Development of Cyclostomes. , 2018, , 30-58.		2
24	The Ordovician Enigma. , 2018, , 59-70.		6
25	The Evolution of Vertebrate Dermal Jaw Bones in the Light of Maxillate Placoderms. , 2018, , 71-86.		3
26	Doliodus and Pucapampellids. , 2018, , 87-109.		9
27	The Evolution of Endoskeletal Mineralisation in Chondrichthyan Fish. , 2018, , 110-125.		9
28	Origin, Development and Evolution of the Fish Skull. , 2018, , 144-159.		0
29	Evolution, Development and Regeneration of Fish Dentitions. , 2018, , 160-171.		1
30	Development of Head Muscles in Fishes and Notes on Phylogeny-Ontogeny Links. , 2018, , 172-187.		1
31	Evolutionary Development of the Postcranial and Appendicular Skeleton in Fishes. , 2018, , 188-206.		0
32	Morphology and phylogenetic relationships of fossil snake mackerels and cutlassfishes (Trichiuroidea) from the Eocene (Ypresian) London Clay Formation. Papers in Palaeontology, 2018, 4, 577-603.	0.7	9
33	Evolution of vertebrate postcranial complexity: axial skeleton regionalization and paired appendages in a Devonian jawless fish. Palaeontology, 2018, 61, 949-961.	1.0	11
34	Loss in the making: absence of pelvic fins and presence of paedomorphic pelvic girdles in a Late Devonian antiarch placoderm (jawed stem-gnathostome). Biology Letters, 2018, 14, 20180199.	1.0	14
35	The â€˜Tully Monsterâ€™ is not a vertebrate: characters, convergence and taphonomy in Palaeozoic problematic animals. Palaeontology, 2017, 60, 149-157.	1.0	17
36	Paleobiology: A Tooth for a Tooth. Current Biology, 2017, 27, R117-R119.	1.8	2

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37	Open data and digital morphology. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170194.	1.2	103
38	Spatially restricted dental regeneration drives pufferfish beak development. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4425-E4434.	3.3	32
39	Questioning hagfish affinities of the enigmatic Devonian vertebratePalaeospondylus. Royal Society Open Science, 2017, 4, 170214.	1.1	7
40	Evolutionary origins of teeth in jawed vertebrates: conflicting data from acanthothoracid dental plates (â€˜Placodermiâ€™). Palaeontology, 2017, 60, 829-836.	1.0	8
41	Large batoid fishes frequently consume stingrays despite skeletal damage. Royal Society Open Science, 2017, 4, 170674.	1.1	32
42	Ecological impact of the end-Cretaceous extinction on lamniform sharks. PLoS ONE, 2017, 12, e0178294.	1.1	24
43	Sox2+ progenitors in sharks link taste development with the evolution of regenerative teeth from denticles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14769-14774.	3.3	59
44	Cutting blade dentitions in squaliform sharks form by modification of inherited alternate tooth ordering patterns. Royal Society Open Science, 2016, 3, 160385.	1.1	29
45	Mosaicism in a new <scp>E</scp>ocene pufferfish highlights rapid morphological innovation near the origin of crown tetraodontiforms. Palaeontology, 2016, 59, 499-514.	1.0	15
46	Introduction and bibliography. Geological Society Special Publication, 2016, 430, 1-29.	0.8	2
47	The English Chalk and London Clay: two remarkable British bony fish LagerstÃtten. Geological Society Special Publication, 2016, 430, 165-200.	0.8	34
48	Sclerorhynchus atavus and the convergent evolution of rostrum-bearing chondrichthyans. Geological Society Special Publication, 2016, 430, 129-136.	0.8	8
49	Early development of rostrum saw-teeth in a fossil ray tests classical theories of the evolution of vertebrate dentitions. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151628.	1.2	11
50	Endoskeletal structure in C heirolepis (O steichthyes, A ctinopterygii), An early rayâ€finned fish. Palaeontology, 2015, 58, 849-870.	1.0	36
51	Evolutionary origins and development of saw-teeth on the sawfish and sawshark rostrum (Elasmobranchii; Chondrichthyes). Royal Society Open Science, 2015, 2, 150189.	1.1	32
52	Making teeth to order: conserved genes reveal an ancient molecular pattern in paddlefish (Actinopterygii). Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142700.	1.2	11
53	Pelvic and reproductive structures in placoderms (stem gnathostomes). Biological Reviews, 2015, 90, 467-501.	4.7	43
54	Copulation in antiarch placoderms and the origin of gnathostome internal fertilization. Nature, 2015, 517, 196-199.	13.7	94

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55	Development and Evolution of Dentition Pattern and Tooth Order in the Skates And Rays (Batoidea;) Tj ETQq1 1 0.784314 rgBT /Over	1.1	49
56	Development of the Synarcual in the Elephant Sharks (Holocephali; Chondrichthyes): Implications for Vertebral Formation and Fusion. PLoS ONE, 2015, 10, e0135138.	1.1	27
57	Early evolution of the lungfish pectoral-fin endoskeleton: evidence from the Middle Devonian (Givetian) Pentlandia macroptera. Frontiers in Earth Science, 2014, 2, .	0.8	11
58	On fossils, phylogenies and sequences of evolutionary change. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140115.	1.2	2
59	Fossilized ontogenies: the contribution of placoderm ontogeny to our understanding of the evolution of early gnathostomes. Palaeontology, 2014, 57, 505-516.	1.0	23
60	Embryonic development of fin spines in Callorhinchus milii (Holocephali); implications for chondrichthyan fin spine evolution. Evolution & Development, 2014, 16, 339-353.	1.1	9
61	A large, anatomically primitive tristichopterid (Sarcopterygii: Tetrapodomorpha) from the Late Devonian (Frasnian) Alves Beds, Upper Old Red Sandstone, Moray, Scotland. Scottish Journal of Geology, 2014, 50, 79-85.	0.1	5
62	Evolution and development of the synarcual in early vertebrates. Zoomorphology, 2013, 132, 95-110.	0.4	32
63	Journal of Anatomy Special Issue on â€˜Vertebrate Evolutionary Development Biologyâ€™. Journal of Anatomy, 2013, 222, 1-1.	0.9	1
64	First record of Porolepis (Sarcopterygii; Porolepiformes) from eastern Gondwana. Canadian Journal of Earth Sciences, 2013, 50, 249-253.	0.6	4
65	Pattern formation in development of chondrichthyan dentitions: a review of an evolutionary model. Historical Biology, 2013, 25, 127-142.	0.7	30
66	Evolution and development of the vertebrate neck. Journal of Anatomy, 2013, 222, 67-78.	0.9	59
67	Origins of bone repair in the armour of fossil fish: response to a deep wound by cells depositing dentine instead of dermal bone. Biology Letters, 2013, 9, 20130144.	1.0	9
68	An early fossil remora (Echeneoidea) reveals the evolutionary assembly of the adhesion disc. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131200.	1.2	22
69	Replacing the first-generation dentition in pufferfish with a unique beak. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8179-8184.	3.3	40
70	Development of teeth and jaws in the earliest jawed vertebrates. Nature, 2012, 491, 748-751.	13.7	98
71	â€Opisthomyzon glaronensis(Wettstein, 1886) (Acanthomorpha, â€Opisthomyzonidae), a junior synonym of â€Uropteryx elongatusAgassiz, 1844. Journal of Vertebrate Paleontology, 2012, 32, 1202-1206.	0.4	6
72	A molecular guide to regulation of morphological pattern in the vertebrate dentition and the evolution of dental development. , 2012, , 166-206.		2

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73	New morphological information on the ptyctodontid fishes (Placodermi, Ptyctodontida) from Western Australia. Journal of Vertebrate Paleontology, 2012, 32, 757-780.	0.4	25
74	Ontogenetic development of an exceptionally preserved Devonian cartilaginous skeleton. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2012, 318B, 50-58.	0.6	10
75	Evolution of paired fins and the lateral somitic frontier. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2010, 314B, 347-352.	0.6	29
76	No bones about it: An enigmatic Devonian fossil reveals a new skeletal frameworkâ€"A potential role of loss of gene regulation. Seminars in Cell and Developmental Biology, 2010, 21, 414-423.	2.3	24
77	Phylogeny of Lungfishes. , 2010, , 43-60.		1
78	Fusion, gene misexpression and homeotic transformations in vertebral development of the gnathostome stem group (Placodermi). International Journal of Developmental Biology, 2010, 54, 71-80.	0.3	15
79	The phyllolepid placoderm Cowralepis mclachlani: Insights into the evolution of feeding mechanisms in jawed vertebrates. Journal of Morphology, 2009, 270, 775-804.	0.6	35
80	Devonian arthrodire embryos and the origin of internal fertilization in vertebrates. Nature, 2009, 457, 1124-1127.	13.7	75
81	Pelvic claspers confirm chondrichthyan-like internal fertilization in arthrodires. Nature, 2009, 460, 888-889.	13.7	36
82	The apical ectodermal ridge in the pectoral fin of the Australian Lungfish (Neoceratodus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	0.6	16
83	Early Palaeozoic dentine and patterned scales in the embryonic catshark tail. Biology Letters, 2008, 4, 87-90.	1.0	19
84	NEW ONYCHODONTIFORM (OSTEICHTHYES; SARCOPTERYGII) FROM THE LOWER DEVONIAN OF VICTORIA, AUSTRALIA. Journal of Paleontology, 2007, 81, 1031-1043.	0.5	11
85	IsPalaeospondylus gunni a fossil larval lungfish? Insights fromNeoceratodus forsteri development. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2007, 308B, 163-171.	0.6	15
86	Fish fingers: digit homologues in sarcopterygian fish fins. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2007, 308B, 757-768.	0.6	117
87	Early scale development in Heterodontus (Heterodontiformes; Chondrichthyes): a novel chondrichthyan scale pattern. Acta Zoologica, 2007, 88, 249-256.	0.6	20
88	Vascularization of the osteostracan and antiarch (Placodermi) pectoral fin: similarities, and implications for placoderm relationships. Lethaia, 2007, 35, 169-186.	0.6	4
89	A new species ofBarameda(Rhizodontida) and heterochrony in the rhizodontid pectoral fin. Journal of Vertebrate Paleontology, 2007, 27, 295-315.	0.4	19
90	Oldest coelacanth, from the Early Devonian of Australia. Biology Letters, 2006, 2, 443-446.	1.0	40

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91	Developmental plasticity and disparity in early dipnoan (lungfish) dentitions. Evolution & Development, 2006, 8, 331-349.	1.1	52
92	Homology of fin lepidotrichia in osteichthyan fishes. Lethaia, 2005, 38, 27-36.	0.6	21
93	Regionalization of axial skeleton in the lungfishNeoceratodus forsteri (Dipnoi). Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2005, 304B, 229-237.	0.6	16
94	Origin and evolution of gnathostome dentitions: a question of teeth and pharyngeal denticles in placoderms. Biological Reviews, 2005, 80, 303-345.	4.7	63
95	Redescription of the pectoral fin and vertebral column of the rhizodontid fishBarameda decipiensfrom the lower carboniferous of Australia. Journal of Vertebrate Paleontology, 2005, 25, 8-18.	0.4	15
96	Strepsodus(Rhizodontida, Sarcopterygii) pectoral elements from the Lower Carboniferous Ducabrook Formation, Queensland, Australia.. Journal of Vertebrate Paleontology, 2005, 25, 46-62.	0.4	23
97	The scapulocoracoid of the Queensland lungfish Neoceratodus forsteri (Dipnoi: Sarcopterygii): morphology, development and evolutionary implications for bony fishes (Osteichthyes). Zoology, 2004, 107, 93-109.	0.6	11
98	Placoderm fishes, pharyngeal denticles, and the vertebrate dentition. Journal of Morphology, 2003, 257, 289-307.	0.6	46
99	The braincase and palate of the tetrapodomorph sarcopterygian mandageria fairfaxi: morphological variability near the fish-tetrapod transition. Palaeontology, 2003, 46, 271-293.	1.0	28
100	Placoderm branchial and hypobranchial muscles and origins in jawed vertebrates. Journal of Vertebrate Paleontology, 2003, 23, 735-749.	0.4	32
101	Response to Comment on "Separate Evolutionary Origins of Teeth from Evidence in Fossil Jawed Vertebrates". Science, 2003, 300, 1661c-1661.	6.0	18
102	Separate Evolutionary Origins of Teeth from Evidence in Fossil Jawed Vertebrates. Science, 2003, 299, 1235-1236.	6.0	112
103	The clavobranchialis musculature in sarcopterygian fishes, and contribution to osteichthyan feeding and respiration. Contributions To Zoology, 2003, 72, 17-37.	0.2	6
104	Vascularization of the osteostracan and antiarch (Placodermi) pectoral fin: similarities, and implications for placoderm relationships. Lethaia, 2002, 35, 169-186.	0.6	24
105	The late Devonian lungfishSoederberghia(Sarcopterygii, Dipnoi) from Australia and North America, and its biogeographical implications. Journal of Vertebrate Paleontology, 2001, 21, 1-12.	0.4	43
106	Devonian rhizodontids and tristichopterids (Sarcopterygii; Tetrapodomorpha) from East Gondwana. Transactions of the Royal Society of Edinburgh: Earth Sciences, 2001, 92, 43-74.	1.0	55
107	A new Late Famennian lungfish from New South Wales, Australia, and its bearing on Australian-Asian terrane relations. Alcheringa, 2000, 24, 99-118.	0.5	16
108	A complete primitive rhizodont from Australia. Nature, 1998, 394, 569-573.	13.7	59

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109	Osteolepiforms and the ancestry of tetrapods. Nature, 1998, 395, 792-794.	13.7	144
110	The Upper Devonian fish Bothriolepis (Placodermi: Antiarchi) from near Canowindra, New South Wales, Australia. Records of the Australian Museum, 1998, 50, 315-348.	0.3	25
111	New Remigolepis (Placodermi; Antiarchi) from Canowindra, New South Wales, Australia. Geological Magazine, 1997, 134, 813-846.	0.9	34
112	A new tristichopterid (Osteolepiformes: Sarcopterygii) from the Mandagery Sandstone (Late Devonian,) Tj ETQq0 0 0 rgBT /Overlock 10 Sciences, 1997, 88, 39-68.	1.0	59
113	New antiarchs (Placodermi) from the Hunter Siltstone (Famennian) near Grenfell, N.S.W.. Alcheringa, 1997, 21, 191-217.	0.5	15
114	Second tristichopterid (Sarcopterygii, Osteolepiformes) from the Upper Devonian of Canowindra, New South Wales, Australia, and phylogeny of the Tristichopteridae. Journal of Vertebrate Paleontology, 1997, 17, 653-673.	0.4	59
115	New marsupial from the Fort Union Formation, Swain Quarry, Wyoming. Journal of Paleontology, 1996, 70, 1023-1031.	0.5	17
116	New informations on jaw elements of Remigolepis (Placodermi; Antiarchi) from Canowindra, NSW, Australia (Upper Devonian). Geobios, 1995, 28, 103-107.	0.7	2
117	New information concerning the Late Cretaceous marsupialAlbertatheriumFox, 1971. Journal of Vertebrate Paleontology, 1995, 14, 595-602.	0.4	3
118	New marsupial from the Upper Cretaceous of Utah. Journal of Vertebrate Paleontology, 1994, 14, 292-295.	0.4	14
119	Form of the trilobite digestive system: alimentary structures in Pterocephalia. Journal of Paleontology, 1994, 68, 294-305.	0.5	42
120	A revision of the Late Cretaceous (Campanian) marsupialIqualadelphis lacteaFox, 1987. Journal of Vertebrate Paleontology, 1993, 13, 373-377.	0.4	2
121	Rhipidistians (Sarcopterygii) from the Hunter Siltstone (Late Famennian) near Grenfell, NSW, Australia. Fossil Record, 0, 3, 111-136.	0.4	11