Per E Ahlberg

List of Publications by Year
in descending order

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131 papers	6,037 citations	76031 42 h-index	97045 71 g-index
144 all docs	144 docs citations	144 times ranked	3797 citing authors

#	Article	IF	Citations
1	A comparative genomic framework for the fish-tetrapod transition. Science China Life Sciences, 2021, 64, 664-666.	2.3	5
2	Endocast and Bony Labyrinth of a Devonian â€œPlacodermâ€•Challenges Stem Gnathostome Phylogeny. Current Biology, 2021, 31, 1112-1118.e4.	1.8	18
3	Fossilized cell structures identify an ancient origin for the teleost whole-genome duplication. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	36
4	Tooth morphology elucidates shark evolution across the end-Cretaceous mass extinction. PLoS Biology, 2021, 19, e3001108.	2.6	6
5	Exceptionally preserved beetles in a Triassic coprolite of putative dinosauriform origin. Current Biology, 2021, 31, 3374-3381.e5.	1.8	23
6	Feeding ecology has shaped the evolution of modern sharks. Current Biology, 2021, 31, 5138-5148.e4.	1.8	12
7	Age constraints for the Trachilos footprints from Crete. Scientific Reports, 2021, 11, 19427.	1.6	4
8	Trace and rare earth element compositions of Silurian conodonts from the Vesiku Bone Bed: Histological and palaeoenvironmental implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 549, 109449.	1.0	11
9	Specialized Craniofacial Anatomy of a Titanosaurian Embryo from Argentina. Current Biology, 2020, 30, 4263-4269.e2.	1.8	12
10	Tides: A key environmental driver of osteichthyan evolution and the fish-tetrapod transition?. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200355.	1.0	7
11	Marginal dentition and multiple dermal jawbones as the ancestral condition of jawed vertebrates. Science, 2020, 369, 211-216.	6.0	31
12	The smallest known Devonian tetrapod shows unexpectedly derived features. Royal Society Open Science, 2020, 7, 192117.	1.1	13
13	The developmental relationship between teeth and dermal odontodes in the most primitive bony fish Lophosteus. ELife, 2020, 9, .	2.8	20
14	Morphology of the earliest reconstructable tetrapod Parmastega aelidae. Nature, 2019, 574, 527-531.	13.7	18
15	Tyrannosaurid-like osteophagy by a Triassic archosaur. Scientific Reports, 2019, 9, 925.	1.6	18
16	Beetle-bearing coprolites possibly reveal the diet of a Late Triassic dinosauriform. Royal Society Open Science, 2019, 6, 181042.	1.1	30
17	Comments on the Squamation of Polish Lower Devonian Porolepiforms. Journal of Vertebrate Paleontology, 2019, 39, e1738448.	0.4	0
18	The first specimen ofArchaeopteryxfrom the Upper Jurassic MÃ¶rnsheim Formation of Germany. Historical Biology, 2019, 31, 3-63.	0.7	29

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19	Filter feeding in Late Jurassic pterosaurs supported by coprolite contents. PeerJ, 2019, 7, e7375.	0.9	12
20	Non-marine palaeoenvironment associated to the earliest tetrapod tracks. Scientific Reports, 2018, 8, 1074.	1.6	9
21	Fossils, function and phylogeny: Papers on early vertebrate evolution in honour of Professor Jennifer A. Clack â€“ Introduction. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2018, 109, 1-14.	0.3	1
22	Unique pelvic fin in a tetrapod-like fossil fish, and the evolution of limb patterning. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12005-12010.	3.3	7
23	Long-bone development and life-history traits of the Devonian tristichopterid Hyneria lindae. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2018, 109, 75-86.	0.3	11
24	Follow the footprints and mind the gaps: a new look at the origin of tetrapods. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2018, 109, 115-137.	0.3	29
25	Neurocranial anatomy of an enigmatic Early Devonian fish sheds light on early osteichthyan evolution. ELife, 2018, 7, .	2.8	24
26	Static Dental Disparity and Morphological Turnover in Sharks across the End-Cretaceous Mass Extinction. Current Biology, 2018, 28, 2607-2615.e3.	1.8	22
27	Evolution of the vertebrate neurocranium: problems of the premandibular domain and theÂorigin of theÂtrabecula. Zoological Letters, 2018, 4, 1.	0.7	35
28	A tetrapod fauna from within the Devonian Antarctic Circle. Science, 2018, 360, 1120-1124.	6.0	22
29	The origin of novel features by changes in developmental mechanisms: ontogeny and threeâ€dimensional microanatomy of polyodontode scales of two early osteichthyans. Biological Reviews, 2017, 92, 1189-1212.	4.7	22
30	The first direct evidence of a Late Devonian coelacanth fish feeding on conodont animals. Die Naturwissenschaften, 2017, 104, 26.	0.6	31
31	Hidden morphological diversity among early tetrapods. Nature, 2017, 546, 642-645.	13.7	115
32	Possible hominin footprints from the late Miocene (c. 5.7 Ma) of Crete?. Proceedings of the Geologists Association, 2017, 128, 697-710.	0.6	35
33	A Devonian tetrapod-like fish reveals substantial parallelism in stem tetrapod evolution. Nature Ecology and Evolution, 2017, 1, 1470-1476.	3.4	15
34	Development of cyclic shedding teeth from semi-shedding teeth: the inner dental arcade of the stem osteichthyan Lophosteus. Royal Society Open Science, 2017, 4, 161084.	1.1	15
35	Synchrotron phase-contrast microtomography of coprolites generates novel palaeobiological data. Scientific Reports, 2017, 7, 2723.	1.6	30
36	A partial lower jaw of a tetrapod from â€œRomer's Gapâ€• Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2017, 108, 55-65.	0.3	5

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37	Unique diversity of acanthothoracid placoderms (basal jawed vertebrates) in the Early Devonian of the Prague Basin, Czech Republic: A new look at Radotina and Holopetalichthys. PLoS ONE, 2017, 12, e0174794.	1.1	7
38	Vascularization and odontode structure of a dorsal ridge spine of Romundina stellina Ã˜rvig 1975. PLoS ONE, 2017, 12, e0189833.	1.1	3
39	The internal cranial anatomy of Romundina stellina Ã˜rvig, 1975 (Vertebrata, Placodermi,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 PLoS ONE, 2017, 12, e0171241.	1.1	23
40	Early Gnathostome Phylogeny Revisited: Multiple Method Consensus. PLoS ONE, 2016, 11, e0163157.	1.1	54
41	Paleoenvironments revealed by rare-earth element systematics in vertebrate bioapatite from the Lower Devonian of Svalbard. Canadian Journal of Earth Sciences, 2016, 53, 788-794.	0.6	4
42	A glimpse of a fish face â€" An exceptional fish feeding trace fossil from the Lower Devonian of the Holy Cross Mountains, Poland. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 454, 113-124.	1.0	10
43	Life history of the stem tetrapod Acanthostega revealed by synchrotron microtomography. Nature, 2016, 537, 408-411.	13.7	40
44	A new method for reconstructing brain morphology: applying the brain-neurocranial spatial relationship in an extant lungfish to a fossil endocast. Royal Society Open Science, 2016, 3, 160307.	1.1	4
45	New discoveries of tetrapods (ichthyostegidâ€like and whatcheeriidâ€like) in the Famennian (Late) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	19
46	The stem osteichthyan Andreolepis and the origin of tooth replacement. Nature, 2016, 539, 237-241.	13.7	39
47	A Devonian predatory fish provides insights into the early evolution of modern sarcopterygians. Science Advances, 2016, 2, e1600154.	4.7	26
48	A Silurian maxillate placoderm illuminates jaw evolution. Science, 2016, 354, 334-336.	6.0	86
49	Avian ichnia and other vertebrate trace fossils from the Neogene Red Beds of Tarom valley in north-western Iran. Historical Biology, 2016, 28, 1075-1089.	0.7	10
50	Three-dimensional paleohistology of the scale and median fin spine ofLophosteus superbus(Pander 1856). PeerJ, 2016, 4, e2521.	0.9	13
51	The cranial endocast ofDipnorhynchus sussmilchi(Sarcopterygii: Dipnoi) and the interrelationships of stem-group lungfishes. PeerJ, 2016, 4, e2539.	0.9	8
52	Sarcopterygians: From Lobe-Finned Fishes to the Tetrapod Stem Group. Springer Handbook of Auditory Research, 2016, , 51-70.	0.3	2
53	Amphibian Evolution: The Life of Early Land Vertebrates. Topics in Paleobiology. By Rainer R. Schoch. Hoboken (New Jersey): Wiley Blackwell. $149.95 (hardcover); $89.95 (paper). xi + 264 p. + 16 pl.; ill.; index. ISBN: 978-0-470-67177-1 (hc); 978-0-470-67178-8 (pb). 2014.. Quarterly Review of Biology, 2015, 90, 205-206.	0.0	0
54	Chondroitin / Dermatan Sulfate Modification Enzymes in Zebrafish Development. PLoS ONE, 2015, 10, e0121957.	1.1	19

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55	Brain â€“ Endocast Relationship in the Australian Lungfish, Neoceratodus forsteri, Elucidated from Tomographic Data (Sarcopterygii: Dipnoi). PLoS ONE, 2015, 10, e0141277.	1.1	27
56	Threeâ€dimensional virtual histology of silurian osteostracan scales revealed by synchrotron radiation microtomography. Journal of Morphology, 2015, 276, 873-888.	0.6	24
57	New genomic and fossil data illuminate the origin of enamel. Nature, 2015, 526, 108-111.	13.7	74
58	A putative upupiform bird from the <scp>E</scp>arly <scp>O</scp>ligocene of the <scp>C</scp>entral <scp>W</scp>estern <scp>C</scp>arpathians and a review of fossil birds unearthed in <scp>S</scp>lovakia. Acta Zoologica, 2015, 96, 45-59.	0.6	3
59	Copulation in antiarch placoderms and the origin of gnathostome internal fertilization. Nature, 2015, 517, 196-199.	13.7	94
60	A primitive placoderm sheds light on the origin of the jawed vertebrate face. Nature, 2014, 507, 500-503.	13.7	124
61	The genome of Callorhinchus and the fossil record: a new perspective on SCPP gene evolution in gnathostomes. Evolution & Development, 2014, 16, 123-124.	1.1	28
62	Embryonic development of fin spines in Callorhinchus milii (Holocephali); implications for chondrichthyan fin spine evolution. Evolution & Development, 2014, 16, 339-353.	1.1	9
63	The First Virtual Cranial Endocast of a Lungfish (Sarcopterygii: Dipnoi). PLoS ONE, 2014, 9, e113898.	1.1	25
64	Comparative pelvic development of the axolotl (Ambystoma mexicanum) and the Australian lungfish (Neoceratodus forsteri): conservation and innovation across the fish-tetrapod transition. EvoDevo, 2013, 4, 3.	1.3	34
65	Fossil Musculature of the Most Primitive Jawed Vertebrates. Science, 2013, 341, 160-164.	6.0	57
66	A Silurian placoderm with osteichthyan-like marginal jaw bones. Nature, 2013, 502, 188-193.	13.7	244
67	Vertebral architecture in the earliest stem tetrapods. Nature, 2013, 494, 226-229.	13.7	51
68	First record of Porolepis (Sarcopterygii; Porolepiformes) from eastern Gondwana. Canadian Journal of Earth Sciences, 2013, 50, 249-253.	0.6	4
69	3D Microstructural Architecture of Muscle Attachments in Extant and Fossil Vertebrates Revealed by Synchrotron Microtomography. PLoS ONE, 2013, 8, e56992.	1.1	61
70	Scales and Tooth Whorls of Ancient Fishes Challenge Distinction between External and Oral â€˜Teethâ€™. PLoS ONE, 2013, 8, e71890.	1.1	26
71	Did Terrestrial Diversification of Amoebas (Amoebozoa) Occur in Synchrony with Land Plants?. PLoS ONE, 2013, 8, e74374.	1.1	48
72	On the Roles and Regulation of Chondroitin Sulfate and Heparan Sulfate in Zebrafish Pharyngeal Cartilage Morphogenesis. Journal of Biological Chemistry, 2012, 287, 33905-33916.	1.6	56

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73	Scale morphology and squamation of the Late Silurian osteichthyanAndreolepisfrom Gotland, Sweden. Historical Biology, 2012, 24, 411-423.	0.7	21
74	Three-Dimensional Synchrotron Virtual Paleohistology: A New Insight into the World of Fossil Bone Microstructures. Microscopy and Microanalysis, 2012, 18, 1095-1105.	0.2	137
75	Frasnian vertebrate taphonomy and sedimentology of macrofossil concentrations from the LangsÄ“de Cliff, Latvia. Lethaia, 2012, 45, 356-370.	0.6	5
76	A new large pterosaur from the Late Cretaceous of Patagonia. Journal of Vertebrate Paleontology, 2012, 32, 1447-1452.	0.4	24
77	A new genus of Devonian tetrapod from Northâ€East Greenland, with new information on the lower jaw of Ichthyostega. Palaeontology, 2012, 55, 73-86.	1.0	31
78	Tetrapod trackways from the early Middle Devonian period of Poland. Nature, 2010, 463, 43-48.	13.7	238
79	A new tool for determining degrees of mineralization in fossil amphibian skeletons: The example of the Late Palaeozoic branchiosaurid Apateon from the Autun Basin, France. Comptes Rendus - Palevol, 2010, 9, 311-317.	0.1	4
80	Bone vascularization and growth in placoderms (Vertebrata): The example of the premedian plate of Romundina stellina Ã˜rvig, 1975. Comptes Rendus - Palevol, 2010, 9, 369-375.	0.1	15
81	Pelvic claspers confirm chondrichthyan-like internal fertilization in arthrodires. Nature, 2009, 460, 888-889.	13.7	36
82	Birth of the jawed vertebrates. Nature, 2009, 457, 1094-1095.	13.7	5
83	A NEW TRISTICHOPTERID (SARCOPTERYGII, TETRAPODOMORPHA) FROM THE UPPER FAMENNIAN EVIEUX FORMATION (UPPER DEVONIAN) OF BELGIUM. Palaeontology, 2009, 52, 823-836.	1.0	18
84	Contrasting Developmental Trajectories in the Earliest Known Tetrapod Forelimbs. Science, 2009, 324, 364-367.	6.0	48
85	Ventastega curonica and the origin of tetrapod morphology. Nature, 2008, 453, 1199-1204.	13.7	75
86	The pectoral fin of Panderichthys and the origin of digits. Nature, 2008, 456, 636-638.	13.7	118
87	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
88	Hedgehog signaling patterns the outgrowth of unpaired skeletal appendages in zebrafish. BMC Developmental Biology, 2007, 7, 75.	2.1	46
89	Jaws and teeth of the earliest bony fishes. Nature, 2007, 448, 583-586.	13.7	87
90	Homologies and cell populations: a response to Sanchez-Villagra and Maier. Evolution & Development, 2006, 8, 116-118.	1.1	7

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91	Developmental plasticity and disparity in early dipnoan (lungfish) dentitions. Evolution & Development, 2006, 8, 331-349.	1.1	52
92	A firm step from water to land. Nature, 2006, 440, 748-749.	13.7	89
93	Tetrapod-like middle ear architecture in a Devonian fish. Nature, 2006, 439, 318-321.	13.7	87
94	Neural crest origins of the neck and shoulder. Nature, 2005, 436, 347-355.	13.7	466
95	The axial skeleton of the Devonian tetrapod Ichthyostega. Nature, 2005, 437, 137-140.	13.7	114
96	The structure of the sarcopterygian Onychodus jandemarrai n. sp. from Gogo, Western Australia: with a functional interpretation of the skeleton. Transactions of the Royal Society of Edinburgh: Earth Sciences, 2005, 96, 197-307.	1.0	63
97	New light on the earliest known tetrapod jaw. Journal of Vertebrate Paleontology, 2005, 25, 720-724.	0.4	17
98	The origin of the internal nostril of tetrapods. Nature, 2004, 432, 94-97.	13.7	79
99	Devonian tetrapod from western Europe. Nature, 2004, 427, 412-413.	13.7	50
100	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
101	First Devonian tetrapod from Asia. Nature, 2002, 420, 760-761.	13.7	51
102	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
103	A primitive sarcopterygian fish with an eyestalk. Nature, 2001, 410, 81-84.	13.7	104
104	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
105	A new coelacanth from the Middle Devonian of Latvia. Journal of Vertebrate Paleontology, 2000, 20, 243-252.	0.4	32
106	Something fishy in the family tree. Nature, 1999, 397, 564-565.	13.7	15
107	Zebrafish in Context: Uses of a Laboratory Model in Comparative Studies. Developmental Biology, 1999, 210, 1-14.	0.9	98
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	Postcranial stem tetrapod remains from the Devonian of Scat Craig, Morayshire, Scotland. Zoological Journal of the Linnean Society, 1998, 122, 99-141.	1.0	42
111	Lower jaws, lower tetrapodsâ€“a review based on the Devonian genusAcanthostega. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1998, 89, 11-46.	1.0	115
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	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
114	How to keep a head in order. Nature, 1997, 385, 489-490.	13.7	7
115	There's a ratfish in our cellar!. Geology Today, 1997, 13, 20-23.	0.3	1
116	Ichthyostega in depth:. Lethaia, 1996, 29, 170-170.	0.6	2
117	Rapid braincase evolution between Panderichthys and the earliest tetrapods. Nature, 1996, 381, 61-64.	13.7	87
118	Morphology, Characters, and the Interrelationships of Basal Sarcopterygians. , 1996, , 445-479.		134
119	Sarcopterygian interrelationships: How far are we from a phylogenetic consensus?. Geobios, 1995, 28, 241-248.	0.7	24
120	Elginerpeton pancheni and the earliest tetrapod clade. Nature, 1995, 373, 420-425.	13.7	108
121	The postcranial skeleton of the Middle Devonian lungfishDipterus valenciennesi. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1994, 85, 159-175.	1.0	37
122	The origin and early diversification of tetrapods. Nature, 1994, 368, 507-514.	13.7	228
123	The First Tetrapod Finds from the Devonian (Upper Famennian) of Latvia. Philosophical Transactions of the Royal Society B: Biological Sciences, 1994, 343, 303-328.	1.8	83
124	Therapsids and transformation series. Nature, 1993, 361, 596-596.	13.7	2
125	A re-examination of sarcopterygian interrelationships, with special reference to the Porolepiformes. Zoological Journal of the Linnean Society, 1991, 103, 241-287.	1.0	163
126	Glimpsing the hidden majority. Nature, 1990, 344, 23-23.	13.7	3

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127	Paired fin skeletons and relationships of the fossil group Porolepiformes (Osteichthyes:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	1.0	78
128	Fossil fishes from Gogo. Nature, 1989, 337, 511-512.	13.7	4
129	...for Devonian vertebrates. Nature, 1989, 342, 738-738.	13.7	3
130	The Evolution of the Spiracular Region From Jawless Fishes to Tetrapods. Frontiers in Ecology and Evolution, 0, 10, .	1.1	8
131	Morphometric analysis of lungfish endocasts elucidates early dipnoan palaeoneurological evolution. ELife, 0, 11, .	2.8	1