

Per E Ahlberg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

4,732
citations

41
h-index

65
g-index

144
ext. papers

5,503
ext. citations

16.7
avg, IF

5.75
L-index

#	Paper	IF	Citations
123	Feeding ecology has shaped the evolution of modern sharks. <i>Current Biology</i> , 2021 , 31, 5138-5148.e4	6.3	2
122	Age constraints for the Trachilos footprints from Crete. <i>Scientific Reports</i> , 2021 , 11, 19427	4.9	1
121	A comparative genomic framework for the fish-tetrapod transition. <i>Science China Life Sciences</i> , 2021 , 64, 664-666	8.5	3
120	Endocast and Bony Labyrinth of a Devonian "Placoderm" Challenges Stem Gnathostome Phylogeny. <i>Current Biology</i> , 2021 , 31, 1112-1118.e4	6.3	3
119	Fossilized cell structures identify an ancient origin for the teleost whole-genome duplication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
118	Tooth morphology elucidates shark evolution across the end-Cretaceous mass extinction. <i>PLoS Biology</i> , 2021 , 19, e3001108	9.7	4
117	Exceptionally preserved beetles in a Triassic coprolite of putative dinosauriform origin. <i>Current Biology</i> , 2021 , 31, 3374-3381.e5	6.3	5
116	Marginal dentition and multiple dermal jawbones as the ancestral condition of jawed vertebrates. <i>Science</i> , 2020 , 369, 211-216	33.3	15
115	The smallest known Devonian tetrapod shows unexpectedly derived features. <i>Royal Society Open Science</i> , 2020 , 7, 192117	3.3	5
114	The developmental relationship between teeth and dermal odontodes in the most primitive bony fish. <i>ELife</i> , 2020 , 9,	8.9	10
113	Trace and rare earth element compositions of Silurian conodonts from the Vesiku Bone Bed: Histological and palaeoenvironmental implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020 , 549, 109449	2.9	5
112	Specialized Craniofacial Anatomy of a Titanosaurian Embryo from Argentina. <i>Current Biology</i> , 2020 , 30, 4263-4269.e2	6.3	9
111	Tides: A key environmental driver of osteichthyan evolution and the fish-tetrapod transition?. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020 , 476, 20200355 ²⁻⁴		5
110	Tyrannosaurid-like osteophagy by a Triassic archosaur. <i>Scientific Reports</i> , 2019 , 9, 925	4.9	9
109	Beetle-bearing coprolites possibly reveal the diet of a Late Triassic dinosauriform. <i>Royal Society Open Science</i> , 2019 , 6, 181042	3.3	14
108	Morphology of the earliest reconstructable tetrapod <i>Parmastega aelidae</i> . <i>Nature</i> , 2019 , 574, 527-531	50.4	8
107	Filter feeding in Late Jurassic pterosaurs supported by coprolite contents. <i>PeerJ</i> , 2019 , 7, e7375	3.1	6

106	Comments on the Squamation of Polish Lower Devonian Porolepiforms. <i>Journal of Vertebrate Paleontology</i> , 2019 , 39, e1738448	1.7	
105	The first specimen of Archaeopteryx from the Upper Jurassic Mēnsheim Formation of Germany. <i>Historical Biology</i> , 2019 , 31, 3-63	1.1	16
104	Non-marine palaeoenvironment associated to the earliest tetrapod tracks. <i>Scientific Reports</i> , 2018 , 8, 1074	4.9	5
103	Static Dental Disparity and Morphological Turnover in Sharks across the End-Cretaceous Mass Extinction. <i>Current Biology</i> , 2018 , 28, 2607-2615.e3	6.3	18
102	Evolution of the vertebrate neurocranium: problems of the premandibular domain and the 'origin of the trabecula. <i>Zoological Letters</i> , 2018 , 4, 1	3	15
101	A tetrapod fauna from within the Devonian Antarctic Circle. <i>Science</i> , 2018 , 360, 1120-1124	33.3	14
100	Fossils, function and phylogeny: Papers on early vertebrate evolution in honour of Professor Jennifer A. Clack Introduction. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018 , 109, 1-14	0.9	
99	Unique pelvic fin in a tetrapod-like fossil fish, and the evolution of limb patterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12005-12010	11.5	6
98	Long-bone development and life-history traits of the Devonian tristichopterid <i>Hyeria lindae</i> . <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018 , 109, 75-86	0.9	8
97	Follow the footprints and mind the gaps: a new look at the origin of tetrapods. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018 , 109, 115-137	0.9	13
96	Neurocranial anatomy of an enigmatic Early Devonian fish sheds light on early osteichthyan evolution. <i>ELife</i> , 2018 , 7,	8.9	16
95	The origin of novel features by changes in developmental mechanisms: ontogeny and three-dimensional microanatomy of polyodontode scales of two early osteichthyans. <i>Biological Reviews</i> , 2017 , 92, 1189-1212	13.5	19
94	The first direct evidence of a Late Devonian coelacanth fish feeding on conodont animals. <i>Die Naturwissenschaften</i> , 2017 , 104, 26	2	24
93	Hidden morphological diversity among early tetrapods. <i>Nature</i> , 2017 , 546, 642-645	50.4	83
92	Unique diversity of acanthothoracid placoderms (basal jawed vertebrates) in the Early Devonian of the Prague Basin, Czech Republic: A new look at <i>Radotina</i> and <i>Holopetalichthys</i> . <i>PLoS ONE</i> , 2017 , 12, e0174794	3.7	7
91	Vascularization and odontode structure of a dorsal ridge spine of <i>Romundina stellina</i> Evig 1975. <i>PLoS ONE</i> , 2017 , 12, e0189833	3.7	1
90	Possible hominin footprints from the late Miocene (c. 5.7 Ma) of Crete?. <i>Proceedings of the Geologists Association</i> , 2017 , 128, 697-710	1.1	19
89	A Devonian tetrapod-like fish reveals substantial parallelism in stem tetrapod evolution. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1470-1476	12.3	12

88	Development of cyclic shedding teeth from semi-shedding teeth: the inner dental arcade of the stem osteichthyan. <i>Royal Society Open Science</i> , 2017 , 4, 161084	3.3	12
87	Synchrotron phase-contrast microtomography of coprolites generates novel palaeobiological data. <i>Scientific Reports</i> , 2017 , 7, 2723	4.9	20
86	A partial lower jaw of a tetrapod from Romer's Gap. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2017 , 108, 55-65	0.9	5
85	The internal cranial anatomy of Romundina stellina Ewig, 1975 (Vertebrata, Placodermi, Acanthothoraci) and the origin of jawed vertebrates-Anatomical atlas of a primitive gnathostome. <i>PLoS ONE</i> , 2017 , 12, e0171241	3.7	20
84	New discoveries of tetrapods (ichthyostegid-like and whatcheeriid-like) in the Famennian (Late Devonian) localities of Strud and Becco (Belgium). <i>Palaeontology</i> , 2016 , 59, 827-840	2.9	16
83	The stem osteichthyan Andreolepis and the origin of tooth replacement. <i>Nature</i> , 2016 , 539, 237-241	50.4	30
82	A Devonian predatory fish provides insights into the early evolution of modern sarcopterygians. <i>Science Advances</i> , 2016 , 2, e1600154	14.3	21
81	A Silurian maxillate placoderm illuminates jaw evolution. <i>Science</i> , 2016 , 354, 334-336	33.3	56
80	Avian ichnia and other vertebrate trace fossils from the Neogene Red Beds of Tarom valley in north-western Iran. <i>Historical Biology</i> , 2016 , 28, 1075-1089	1.1	6
79	Three-dimensional paleohistology of the scale and median fin spine of (Pander 1856). <i>PeerJ</i> , 2016 , 4, e2521	3.1	9
78	The cranial endocast of (Sarcopterygii: Dipnoi) and the interrelationships of stem-group lungfishes. <i>PeerJ</i> , 2016 , 4, e2539	3.1	5
77	Sarcopterygians: From Lobe-Finned Fishes to the Tetrapod Stem Group. <i>Springer Handbook of Auditory Research</i> , 2016 , 51-70	1.2	0
76	Early Gnathostome Phylogeny Revisited: Multiple Method Consensus. <i>PLoS ONE</i> , 2016 , 11, e0163157	3.7	38
75	Paleoenvironments revealed by rare-earth element systematics in vertebrate bioapatite from the Lower Devonian of Svalbard. <i>Canadian Journal of Earth Sciences</i> , 2016 , 53, 788-794	1.5	3
74	A glimpse of a fish face. An exceptional fish feeding trace fossil from the Lower Devonian of the Holy Cross Mountains, Poland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 454, 113-124	2.9	9
73	Life history of the stem tetrapod Acanthostega revealed by synchrotron microtomography. <i>Nature</i> , 2016 , 537, 408-411	50.4	28
72	A new method for reconstructing brain morphology: applying the brain-neurocranial spatial relationship in an extant lungfish to a fossil endocast. <i>Royal Society Open Science</i> , 2016 , 3, 160307	3.3	2
71	Three-dimensional virtual histology of Silurian osteostracan scales revealed by synchrotron radiation microtomography. <i>Journal of Morphology</i> , 2015 , 276, 873-88	1.6	19

70	New genomic and fossil data illuminate the origin of enamel. <i>Nature</i> , 2015 , 526, 108-11	50.4	53
69	A putative upupiform bird from the Early Oligocene of the Central Western Carpathians and a review of fossil birds unearthed in Slovakia. <i>Acta Zoologica</i> , 2015 , 96, 45-59	0.8	3
68	Copulation in antiarch placoderms and the origin of gnathostome internal fertilization. <i>Nature</i> , 2015 , 517, 196-9	50.4	74
67	Chondroitin / dermatan sulfate modification enzymes in zebrafish development. <i>PLoS ONE</i> , 2015 , 10, e0121957	3.7	11
66	Brain - Endocast Relationship in the Australian Lungfish, <i>Neoceratodus forsteri</i> , Elucidated from Tomographic Data (Sarcopterygii: Dipnoi). <i>PLoS ONE</i> , 2015 , 10, e0141277	3.7	23
65	A primitive placoderm sheds light on the origin of the jawed vertebrate face. <i>Nature</i> , 2014 , 507, 500-3	50.4	102
64	The genome of <i>Callorhinchus</i> and the fossil record: a new perspective on SCPP gene evolution in gnathostomes. <i>Evolution & Development</i> , 2014 , 16, 123-4	2.6	25
63	Embryonic development of fin spines in <i>Callorhinchus milii</i> (Holocephali); implications for chondrichthyan fin spine evolution. <i>Evolution & Development</i> , 2014 , 16, 339-53	2.6	6
62	The first virtual cranial endocast of a lungfish (sarcopterygii: dipnoi). <i>PLoS ONE</i> , 2014 , 9, e113898	3.7	23
61	Comparative pelvic development of the axolotl (<i>Ambystoma mexicanum</i>) and the Australian lungfish (<i>Neoceratodus forsteri</i>): conservation and innovation across the fish-tetrapod transition. <i>EvoDevo</i> , 2013 , 4, 3	3.2	26
60	Fossil musculature of the most primitive jawed vertebrates. <i>Science</i> , 2013 , 341, 160-4	33.3	48
59	A Silurian placoderm with osteichthyan-like marginal jaw bones. <i>Nature</i> , 2013 , 502, 188-93	50.4	187
58	Vertebral architecture in the earliest stem tetrapods. <i>Nature</i> , 2013 , 494, 226-9	50.4	42
57	First record of <i>Porolepis</i> (Sarcopterygii; Porolepiformes) from eastern Gondwana. <i>Canadian Journal of Earth Sciences</i> , 2013 , 50, 249-253	1.5	4
56	3D microstructural architecture of muscle attachments in extant and fossil vertebrates revealed by synchrotron microtomography. <i>PLoS ONE</i> , 2013 , 8, e56992	3.7	52
55	Scales and tooth whorls of ancient fishes challenge distinction between external and oral 'teeth'. <i>PLoS ONE</i> , 2013 , 8, e71890	3.7	21
54	Did terrestrial diversification of amoebas (amoebozoa) occur in synchrony with land plants?. <i>PLoS ONE</i> , 2013 , 8, e74374	3.7	31
53	Scale morphology and squamation of the Late Silurian osteichthyan <i>Andreolepis</i> from Gotland, Sweden. <i>Historical Biology</i> , 2012 , 24, 411-423	1.1	17

52	Three-dimensional synchrotron virtual paleohistology: a new insight into the world of fossil bone microstructures. <i>Microscopy and Microanalysis</i> , 2012 , 18, 1095-105	0.5	124
51	Frasnian vertebrate taphonomy and sedimentology of macrofossil concentrations from the Langsdle Cliff, Latvia. <i>Lethaia</i> , 2012 , 45, 356-370	1.3	3
50	A new large pterosaur from the Late Cretaceous of Patagonia. <i>Journal of Vertebrate Paleontology</i> , 2012 , 32, 1447-1452	1.7	19
49	A new genus of Devonian tetrapod from North-East Greenland, with new information on the lower jaw of Ichthyostega. <i>Palaeontology</i> , 2012 , 55, 73-86	2.9	23
48	On the roles and regulation of chondroitin sulfate and heparan sulfate in zebrafish pharyngeal cartilage morphogenesis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33905-16	5.4	49
47	Tetrapod trackways from the early Middle Devonian period of Poland. <i>Nature</i> , 2010 , 463, 43-8	50.4	180
46	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. <i>Comptes Rendus - Palevol</i> , 2010 , 9, 311-317	1.6	3
45	Bone vascularization and growth in placoderms (Vertebrata): The example of the premedian plate of Romundina stellina Evg, 1975. <i>Comptes Rendus - Palevol</i> , 2010 , 9, 369-375	1.6	13
44	Pelvic claspers confirm chondrichthyan-like internal fertilization in arthrodires. <i>Nature</i> , 2009 , 460, 888-9	50.4	29
43	A NEW TRISTICHOPTERID (SARCOPTERYGII, TETRAPODOMORPHA) FROM THE UPPER FAMENNIAN EVIEUX FORMATION (UPPER DEVONIAN) OF BELGIUM. <i>Palaeontology</i> , 2009 , 52, 823-836	2.9	12
42	Contrasting developmental trajectories in the earliest known tetrapod forelimbs. <i>Science</i> , 2009 , 324, 364-7	33.3	44
41	Ventastega curonica and the origin of tetrapod morphology. <i>Nature</i> , 2008 , 453, 1199-204	50.4	63
40	The pectoral fin of Panderichthys and the origin of digits. <i>Nature</i> , 2008 , 456, 636-8	50.4	102
39	Fish fingers: digit homologues in sarcopterygian fish fins. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2007 , 308, 757-68	1.8	105
38	Hedgehog signaling patterns the outgrowth of unpaired skeletal appendages in zebrafish. <i>BMC Developmental Biology</i> , 2007 , 7, 75	3.1	31
37	Jaws and teeth of the earliest bony fishes. <i>Nature</i> , 2007 , 448, 583-6	50.4	81
36	Homologies and cell populations: a response to Sánchez-Villagra and Maier. <i>Evolution & Development</i> , 2006 , 8, 116-8	2.6	5
35	Developmental plasticity and disparity in early dipnoan (lungfish) dentitions. <i>Evolution & Development</i> , 2006 , 8, 331-49	2.6	49

34	Tetrapod-like middle ear architecture in a Devonian fish. <i>Nature</i> , 2006 , 439, 318-21	50.4	70
33	The structure of the sarcopterygian <i>Onychodus jandemarraei</i> n. sp. from Gogo, Western Australia: with a functional interpretation of the skeleton. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2005 , 96, 197-307		56
32	New light on the earliest known tetrapod jaw. <i>Journal of Vertebrate Paleontology</i> , 2005 , 25, 720-724	1.7	14
31	Neural crest origins of the neck and shoulder. <i>Nature</i> , 2005 , 436, 347-55	50.4	378
30	The axial skeleton of the Devonian tetrapod <i>Ichthyostega</i> . <i>Nature</i> , 2005 , 437, 137-40	50.4	94
29	The origin of the internal nostril of tetrapods. <i>Nature</i> , 2004 , 432, 94-7	50.4	61
28	Palaeogeography: Devonian tetrapod from western Europe. <i>Nature</i> , 2004 , 427, 412-3	50.4	48
27	The braincase and palate of the tetrapodomorph sarcopterygian <i>Mandageria fairfaxi</i> : morphological variability near the fish-tetrapod transition. <i>Palaeontology</i> , 2003 , 46, 271-293	2.9	25
26	Palaeontology: first Devonian tetrapod from Asia. <i>Nature</i> , 2002 , 420, 760-1	50.4	43
25	A primitive sarcopterygian fish with an eyestalk. <i>Nature</i> , 2001 , 410, 81-4	50.4	90
24	Devonian rhizodontids and tristichopterids (Sarcopterygii; Tetrapodomorpha) from East Gondwana. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2001 , 92, 43-74		47
23	The late Devonian lungfish <i>Soederberghia</i> (Sarcopterygii, Dipnoi) from Australia and North America, and its biogeographical implications. <i>Journal of Vertebrate Paleontology</i> , 2001 , 21, 1-12	1.7	30
22	A new coelacanth from the Middle Devonian of Latvia. <i>Journal of Vertebrate Paleontology</i> , 2000 , 20, 243-252	1.7	29
21	Zebrafish in context: uses of a laboratory model in comparative studies. <i>Developmental Biology</i> , 1999 , 210, 1-14	3.1	87
20	A complete primitive rhizodont from Australia. <i>Nature</i> , 1998 , 394, 569-573	50.4	50
19	Osteolepiforms and the ancestry of tetrapods. <i>Nature</i> , 1998 , 395, 792-794	50.4	126
18	Postcranial stem tetrapod remains from the Devonian of Scat Craig, Morayshire, Scotland. <i>Zoological Journal of the Linnean Society</i> , 1998 , 122, 99-141	2.4	35
17	Lower jaws, lower tetrapods—review based on the Devonian genus <i>Acanthostega</i> . <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1998 , 89, 11-46		99

16	A new tristichopterid (Osteolepiformes: Sarcopterygii) from the Mandagery Sandstone (Late Devonian, Famennian) near Canowindra, NSW, Australia. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1997 , 88, 39-68		45
15	Second tristichopterid (Sarcopterygii, Osteolepiformes) from the Upper Devonian of Canowindra, New South Wales, Australia, and phylogeny of the Tristichopteridae. <i>Journal of Vertebrate Paleontology</i> , 1997 , 17, 653-673	1.7	44
14	There's a ratfish in our cellar!. <i>Geology Today</i> , 1997 , 13, 20-23	0.4	1
13	Ichthyostega in depth: Jarvik, E. 1996: The Devonian tetrapod Ichthyostega. <i>Fossils and Strata</i> 40.. <i>Lethaia</i> , 1996 , 29, 170-170	1.3	2
12	Rapid braincase evolution between Panderichthys and the earliest tetrapods. <i>Nature</i> , 1996 , 381, 61-64	50.4	77
11	Morphology, Characters, and the Interrelationships of Basal Sarcopterygians 1996 , 445-479		104
10	Elginerpeton pancheni and the earliest tetrapod clade. <i>Nature</i> , 1995 , 373, 420-425	50.4	87
9	Sarcopterygian interrelationships: How far are we from a phylogenetic consensus?. <i>Geobios</i> , 1995 , 28, 241-248	1.5	19
8	The postcranial skeleton of the Middle Devonian lungfish <i>Dipterus valenciennesi</i> . <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1994 , 85, 159-175		30
7	The origin and early diversification of tetrapods. <i>Nature</i> , 1994 , 368, 507-514	50.4	202
6	The First Tetrapod Finds from the Devonian (Upper Famennian) of Latvia. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1994 , 343, 303-328	5.8	73
5	Therapsids and transformation series. <i>Nature</i> , 1993 , 361, 596-596	50.4	2
4	A re-examination of sarcopterygian interrelationships, with special reference to the Porolepiformes. <i>Zoological Journal of the Linnean Society</i> , 1991 , 103, 241-287	2.4	134
3	Glimpsing the hidden majority. <i>Nature</i> , 1990 , 344, 23	50.4	3
2	Paired fin skeletons and relationships of the fossil group Porolepiformes (Osteichthyes: Sarcopterygii). <i>Zoological Journal of the Linnean Society</i> , 1989 , 96, 119-166	2.4	71
1	Dental ontogeny in the most primitive bony fish <i>Lophosteus</i> reveals the developmental relationship between teeth and dermal odontodes		1