Jakob Vinther

List of Publications by Year
in descending order

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90	5,578	81839	85498
papers	citations	39 h-index	71 g-index

98	98	98	5012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative softâ€tissue preservation in Holoceneâ€age capelin concretions. Geobiology, 2022, 20, 377-398.	1.1	3
2	An early Cambrian mackenziid reveals links to modular Ediacaran macroâ€organisms. Papers in Palaeontology, 2022, 8, .	0.7	3
3	Small shelly fossils and carbon isotopes from the early Cambrian (Stages 3â€“4) Mural Formation of western Laurentia. Papers in Palaeontology, 2021, 7, 951-983.	0.7	10
4	A cloacal opening in a non-avian dinosaur. Current Biology, 2021, 31, R182-R183.	1.8	6
5	Three-dimensional modelling, disparity and ecology of the first Cambrian apex predators. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211176.	1.2	7
6	Was the Devonian placoderm Titanichthys a suspension feeder?. Royal Society Open Science, 2020, 7, 200272.	1.1	11
7	Reconstructing Vertebrate Paleocolor. Annual Review of Earth and Planetary Sciences, 2020, 48, 345-375.	4.6	15
8	A Cambrian crown annelid reconciles phylogenomics and the fossil record. Nature, 2020, 583, 249-252.	13.7	30
9	A Cambrianâ€“Ordovician Terrestrialization of Arachnids. Frontiers in Genetics, 2020, 11, 182.	1.1	43
10	Palaeocolour: A History and State of the Art. Fascinating Life Sciences, 2020, , 185-211.	0.5	1
11	Sedimentâ€encased maturation: a novel method for simulating diagenesis in organic fossil preservation. Palaeontology, 2019, 62, 135-150.	1.0	24
12	Jaw elements in Plumulites bengtsoni confirm that machaeridians are extinct armoured scaleworms. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191247.	1.2	12
13	Characterization of melanosomes involved in the production of non-iridescent structural feather colours and their detection in the fossil record. Journal of the Royal Society Interface, 2019, 16, 20180921.	1.5	17
14	Pancrustacean Evolution Illuminated by Taxon-Rich Genomic-Scale Data Sets with an Expanded Remipede Sampling. Genome Biology and Evolution, 2019, 11, 2055-2070.	1.1	76
15	Increasing species sampling in chelicerate genomic-scale datasets provides support for monophyly of Acari and Arachnida. Nature Communications, 2019, 10, 2295.	5.8	90
16	Cambrian Sessile, Suspension Feeding Stem-Group Ctenophores and Evolution of the Comb Jelly Body Plan. Current Biology, 2019, 29, 1112-1125.e2.	1.8	58
17	Bilateral Jaw Elements in Amiskwia sagittiformis Bridge the Morphological Gap between Gnathiferans and Chaetognaths. Current Biology, 2019, 29, 881-888.e1.	1.8	19
18	3. The Annelid Fossil Record. , 2019, , 69-88.		12

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19	Melanosome diversity and convergence in the evolution of iridescent avian feathers-Implications for paleocolor reconstruction. Evolution; International Journal of Organic Evolution, 2019, 73, 15-27.	1.1	24
20	Cretaceous dinosaur bone contains recent organic material and provides an environment conducive to microbial communities. ELife, 2019, 8, .	2.8	38
21	Brain and eyes of Kerygmachela reveal protocerebral ancestry of the panarthropod head. Nature Communications, 2018, 9, 1019.	5.8	52
22	Additional information on the primitive contour and wing feathering of paravian dinosaurs. Palaeontology, 2018, 61, 273-288.	1.0	16
23	Softâ€Bodied Fossils Are Not Simply Rotten Carcasses â€“ Toward a Holistic Understanding of Exceptional Fossil Preservation. BioEssays, 2018, 40, 1700167.	1.2	84
24	Molecular palaeontology illuminates the evolution of ecdysozoan vision. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, .	1.2	25
25	Jakob Vinther. Current Biology, 2018, 28, R1124-R1125.	1.8	0
26	Preservation of feather fibers from the Late Cretaceous dinosaur Shuvuuia deserti raises concern about immunohistochemical analyses on fossils. Organic Geochemistry, 2018, 125, 142-151.	0.9	30
27	Experimental subaqueous burial of a bird carcass and compaction of plumage. Palaontologische Zeitschrift, 2018, 92, 727-732.	0.8	2
28	The oldest marine vertebrate fossil from the volcanic island of Iceland: a partial right whale skull from the high latitude Pliocene TjÃ¶rnes Formation. Palaeontology, 2017, 60, 141-148.	1.0	11
29	Molecular clocks indicate turnover and diversification of modern coleoid cephalopods during the Mesozoic Marine Revolution. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162818.	1.2	86
30	Ancestral morphology of crown-group molluscs revealed by a new Ordovician stem aculiferan. Nature, 2017, 542, 471-474.	13.7	77
31	On the purported presence of fossilized collagen fibres in an ichthyosaur and a theropod dinosaur. Palaeontology, 2017, 60, 409-422.	1.0	15
32	Low fossilization potential of keratin protein revealed by experimental taphonomy. Palaeontology, 2017, 60, 547-556.	1.0	47
33	Multiple optimality criteria support Ornithoscelida. Royal Society Open Science, 2017, 4, 170833.	1.1	19
34	Countershading and Stripes in the Theropod Dinosaur Sinosauropteryx Reveal Heterogeneous Habitats in the Early Cretaceous Jehol Biota. Current Biology, 2017, 27, 3337-3343.e2.	1.8	57
35	EXPERIMENTAL TAPHONOMY OF KERATIN: A STRUCTURAL ANALYSIS OF EARLY TAPHONOMIC CHANGES. Palaios, 2017, 32, 647-657.	0.6	14
36	Preservation of uropygial gland lipids in a 48-million-year-old bird. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171050.	1.2	11

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37	An Exceptionally Preserved Three-Dimensional Armored Dinosaur Reveals Insights into Coloration and Cretaceous Predator-Prey Dynamics. Current Biology, 2017, 27, 2514-2521.e3.	1.8	81
38	Presentation of the 2015 Paleontological Society Medal to Derek E. G. Briggs. Journal of Paleontology, 2017, 91, 1337-1338.	0.5	0
39	Buoyancy mechanisms limit preservation of coleoid cephalopod soft tissues in Mesozoic LagerstÃtten. Palaeontology, 2017, 60, 1-14.	1.0	49
40	Onychophoranâ€like myoanatomy of the Cambrian gilled lobopodian Pambdelurion whittingtoni. Palaeontology, 2017, 60, 27-54.	1.0	22
41	Fossil melanosomes or bacteria? A wealth of findings favours melanosomes. BioEssays, 2016, 38, 220-225.	1.2	19
42	Unveiling biases in softâ€tissue phosphatization: extensive preservation of musculature in the Cretaceous (Cenomanian) polychaete Rollinschaeta myoplena (Annelida: Amphinomidae). Palaeontology, 2016, 59, 463-479.	1.0	24
43	The impact of fossil data on annelid phylogeny inferred from discrete morphological characters. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161378.	1.2	41
44	The eyes of Tullimonstrum reveal a vertebrate affinity. Nature, 2016, 532, 500-503.	13.7	48
45	The mouth apparatus of the Cambrian gilled lobopodian Pambdelurion whittingtoni. Palaeontology, 2016, 59, 841-849.	1.0	26
46	Pigmented anatomy in Carboniferous cyclostomes and the evolution of the vertebrate eye. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161151.	1.2	44
47	Structure and homology of Psittacosaurus tail bristles. Palaeontology, 2016, 59, 793-802.	1.0	28
48	3D Camouflage in an Ornithischian Dinosaur. Current Biology, 2016, 26, 2456-2462.	1.8	72
49	A molecular palaeobiological exploration of arthropod terrestrialization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150133.	1.8	131
50	Cambrian stem-group annelids and a metameric origin of the annelid head. Biology Letters, 2015, 11, .	1.0	28
51	A new fireworm (Amphinomidae) from the Cretaceous of Lebanon identified from three-dimensionally preserved myoanatomy. BMC Evolutionary Biology, 2015, 15, 256.	3.2	13
52	The origins of molluscs. Palaeontology, 2015, 58, 19-34.	1.0	74
53	Ancestry, Origin and Early Evolution of Ammonoids. Topics in Geobiology, 2015, , 3-24.	0.6	19
54	A guide to the field of palaeo colour. BioEssays, 2015, 37, 643-656.	1.2	93

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55	Rhetoric vs. reality: A commentary on â€œBird Origins Anewâ€•by A. Feduccia. Auk, 2015, 132, 467-480.	0.7	15
56	Biogeography of worm lizards (Amphisbaenia) driven by end-Cretaceous mass extinction. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20143034.	1.2	52
57	Chemical, experimental, and morphological evidence for diagenetically altered melanin in exceptionally preserved fossils. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12592-12597.	3.3	95
58	Animal Evolution: When Small Worms Cast Long Phylogenetic Shadows. Current Biology, 2015, 25, R762-R764.	1.8	6
59	A molecular palaeobiological perspective on aculiferan evolution. Journal of Natural History, 2014, 48, 2805-2823.	0.2	10
60	A suspension-feeding anomalocarid from the Early Cambrian. Nature, 2014, 507, 496-499.	13.7	112
61	Sophisticated digestive systems in early arthropods. Nature Communications, 2014, 5, 3641.	5.8	97
62	The origin of annelids. Palaeontology, 2014, 57, 1091-1103.	1.0	73
63	Exceptional three-dimensional preservation and coloration of an originally iridescent fossil feather from the Middle Eocene Messel Oil Shale. Palaontologische Zeitschrift, 2013, 87, 493-503.	0.8	20
64	Recalibrating Equus evolution using the genome sequence of an early Middle Pleistocene horse. Nature, 2013, 499, 74-78.	13.7	717
65	Melanin Concentration Gradients in Modern and Fossil Feathers. PLoS ONE, 2013, 8, e59451.	1.1	39
66	Primitive Wing Feather Arrangement in Archaeopteryx lithographica and Anchiornis huxleyi. Current Biology, 2012, 22, 2262-2267.	1.8	57
67	The origin of multiplacophorans â€“ convergent evolution in Aculiferan molluscs. Palaeontology, 2012, 55, 1007-1019.	1.0	25
68	A molecular palaeobiological hypothesis for the origin of aplacophoran molluscs and their derivation from chiton-like ancestors. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1259-1268.	1.2	86
69	New evidence on the colour and nature of the isolated Archaeopteryx feather. Nature Communications, 2012, 3, 637.	5.8	73
70	Reconstruction of Microraptor and the Evolution of Iridescent Plumage. Science, 2012, 335, 1215-1219.	6.0	170
71	Nonbiomineralized carapaces in Cambrian seafloor landscapes (Sirius Passet, Greenland): Opening a new window into early Phanerozoic benthic ecology. Geology, 2012, 40, 519-522.	2.0	42
72	Direct chemical evidence for eumelanin pigment from the Jurassic period. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10218-10223.	3.3	166

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73	Reconstructing the ancestral annelid. Journal of Zoological Systematics and Evolutionary Research, 2012, 50, 85-87.	0.6	18
74	Vetulicolians from the Lower Cambrian Sirius Passet LagerstÃtte, North Greenland, and the polarity of morphological characters in basal deuterostomes. Palaeontology, 2011, 54, 711-719.	1.0	30
75	An Early Cambrian stem polychaete with pygidial cirri. Biology Letters, 2011, 7, 929-932.	1.0	53
76	Cephalopod origin and evolution: A congruent picture emerging from fossils, development and molecules. BioEssays, 2011, 33, 602-613.	1.2	236
77	Colour-producing Î²-keratin nanofibres in blue penguin (Eudyptula minor) feathers. Biology Letters, 2011, 7, 543-546.	1.0	48
78	A placozoan affinity for Dickinsonia and the evolution of late Proterozoic metazoan feeding modes. Evolution & Development, 2010, 12, 201-209.	1.1	158
79	The first articulated specimen of Plumulites canadensis (Woodward, 1889) from the Upper Ordovician of Ontario, with a review of the anterior region of Plumulitidae (Annelida: Machaeridia). Palaeontology, 2010, 53, 327-334.	1.0	11
80	Ordovician faunas of Burgess Shale type. Nature, 2010, 465, 215-218.	13.7	282
81	Fossil Evidence for Evolution of the Shape and Color of Penguin Feathers. Science, 2010, 330, 954-957.	6.0	153
82	Plumage Color Patterns of an Extinct Dinosaur. Science, 2010, 327, 1369-1372.	6.0	224
83	Structural coloration in a fossil feather. Biology Letters, 2010, 6, 128-131.	1.0	100
84	MicroRNAs resolve an apparent conflict between annelid systematics and their fossil record. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4315-4322.	1.2	54
85	Machaeridian locomotion. Lethaia, 2009, 42, 357-364.	0.6	13
86	THE CANAL SYSTEM IN SCLERITES OF LOWER CAMBRIANSINOSACHITES(HALKIERIIDAE: SACHITIDA): SIGNIFICANCE FOR THE MOLLUSCAN AFFINITIES OF THE SACHITIDS. Palaeontology, 2009, 52, 689-712.	1.0	38
87	Machaeridians are Palaeozoic armoured annelids. Nature, 2008, 451, 185-188.	13.7	116
88	The colour of fossil feathers. Biology Letters, 2008, 4, 522-525.	1.0	167
89	Chaetocladus gracilis n. sp., a non-calcified Dasycladales from the Upper Silurian of SkÃ¥ne, Sweden. Review of Palaeobotany and Palynology, 2006, 142, 153-160.	0.8	19
90	The Early Cambrian Halkieria is a mollusc. Zoologica Scripta, 2005, 34, 81-89.	0.7	118