

Mats E Eriksson

List of Publications by Year in descending order

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84
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331538

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85
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1005
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#	ARTICLE	IF	CITATIONS
1	Miniaturization during a Silurian environmental crisis generated the modern brittle star body plan. <i>Communications Biology</i> , 2022, 5, 14.	2.0	4
2	A review of ichthyosaur (Reptilia, Ichthyopterygia) soft tissues with implications for life reconstructions. <i>Earth-Science Reviews</i> , 2022, 226, 103965.	4.0	7
3	Diverse cuticular remains in Cambrian (Series 2) SSF assemblages from China and the pioneer metazoan colonization of offshore environments. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 567, 110192.	1.0	2
4	A fossil sea turtle (Reptilia, Pan-Cheloniidae) with preserved soft tissues from the Eocene Fur Formation of Denmark. <i>Journal of Vertebrate Paleontology</i> , 2021, 41, .	0.4	4
5	Upper Katian (Upper Ordovician) trans-Atlantic $\delta^{13}C$ chemostratigraphy: the geochronological equivalence of the ELKHORN and PAROVEJA excursions and its implications. <i>Lethaia</i> , 2020, 53, 199-216.	0.6	9
6	The $\delta^{13}C$ chemostratigraphy of Ordovician global stage stratotypes: geochemical data from the Floian and Sandbian GSSPs in Sweden. <i>Gff</i> , 2020, 142, 23-32.	0.4	6
7	Ordovician $\delta^{13}C$ chemostratigraphy: A global review of major excursions and their ties to graptolite and conodont biostratigraphy. <i>Stratigraphy & Timescales</i> , 2020, 5, 319-351.	0.2	7
8	The fossil alga <i>Chaetocladus gracilis</i> revisited: new material from the Silurian of Sweden. <i>Gff</i> , 2020, 142, 304-308.	0.4	2
9	Fossil insect eyes shed light on trilobite optics and the arthropod pigment screen. <i>Nature</i> , 2019, 573, 122-125.	13.7	26
10	Linking the progressive expansion of reducing conditions to a stepwise mass extinction event in the late Silurian oceans. <i>Geology</i> , 2019, 47, 968-972.	2.0	40
11	Multi-proxy analyses of Late Cretaceous coprolites from Germany. <i>Lethaia</i> , 2019, 52, 550-569.	0.6	8
12	3. The Annelid Fossil Record. , 2019, , 69-88.		12
13	Lower- to Middle Ordovician carbon and oxygen isotope chemostratigraphy at Hållekis, Sweden: implications for regional to global correlation and palaeoenvironmental development. <i>Lethaia</i> , 2019, 52, 204-219.	0.6	15
14	First record of Cyanobacteria in Cambrian Orsten deposits of Sweden. <i>Palaeontology</i> , 2018, 61, 855-880.	1.0	11
15	Soft-tissue evidence for homeothermy and crypsis in a Jurassic ichthyosaur. <i>Nature</i> , 2018, 564, 359-365.	13.7	81
16	Palaeozoic "conodont pearls" and other phosphatic micro-spherules. <i>Lethaia</i> , 2017, 50, 26-40.	0.6	4
17	Earth's oldest "Bobbit worm" gigantism in a Devonian eunicidan polychaete. <i>Scientific Reports</i> , 2017, 7, 43061.	1.6	5
18	Megascopic processes reflected in the microscopic realm: sedimentary and biotic dynamics of the Middle Ordovician "orthoceratite limestone" at Kinnekulle, Sweden. <i>Gff</i> , 2017, 139, 163-183.	0.4	24

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19	Early Middle Ordovician scolecodonts from northwestern Argentina and the emergence of labidognath polychaete jaw apparatuses. <i>Palaeontology</i> , 2017, 60, 583-593.	1.0	5
20	<i>Aagnostus pisiformis</i> – a half a billion-year old pea-shaped enigma. <i>Earth-Science Reviews</i> , 2017, 173, 65-76.	4.0	5
21	Molecular and microstructural inventory of an isolated fossil bird feather from the Eocene Fur Formation of Denmark. <i>Palaeontology</i> , 2017, 60, 73-90.	1.0	16
22	Darriwilian (Middle Ordovician) worms of southern Sweden. <i>Gff</i> , 2016, 138, 502-509.	0.4	8
23	Prehistory as sonic inspiration: palaeontological heritage in popular music. <i>Geology Today</i> , 2016, 32, 222-227.	0.3	0
24	Upper Ordovician $\delta^{13}\text{C}$ chemostratigraphy, K-bentonite stratigraphy, and biostratigraphy in southern Scandinavia: A reappraisal. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 454, 175-188.	1.0	22
25	A fellow Swede is the reference for humanity. <i>Geology Today</i> , 2016, 32, 27-29.	0.3	0
26	Onset of main Phanerozoic marine radiation sparked by emerging Mid Ordovician icehouse. <i>Scientific Reports</i> , 2016, 6, 18884.	1.6	146
27	Baring it all: undressing Cambrian <i>Orsten</i> phosphatocopine crustaceans using synchrotron radiation X-ray tomographic microscopy. <i>Lethaia</i> , 2016, 49, 312-326.	0.6	12
28	Cambrian stratigraphy of the Tomten-1 drill core, Västergötland, Sweden. <i>Gff</i> , 2016, 138, 490-501.	0.4	7
29	Half a billion-year-old microscopic treasures – the Cambrian <i>Orsten</i> fossils of Sweden. <i>Geology Today</i> , 2016, 32, 115-120.	0.3	4
30	Jaw-bearing polychaetes of the Silurian <i>Eramosa Lagerstätte</i> , Ontario, Canada. <i>Journal of Paleontology</i> , 2015, 89, 222-235.	0.5	5
31	Mollusk maxima and marine events in the Middle Ordovician of Baltoscandia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 440, 53-65.	1.0	15
32	Fake it till you make it-the uncanny art of forging amber. <i>Geology Today</i> , 2015, 31, 21-27.	0.3	3
33	The Volkhov-Kunda transition and the base of the Holen Limestone at Kinnekulle, Västergötland, Sweden. <i>Gff</i> , 2014, 136, 167-171.	0.4	15
34	Master of puppets: sculpting ancient worlds. <i>Geology Today</i> , 2014, 30, 98-104.	0.3	2
35	Hirnantian (latest Ordovician) $\delta^{13}\text{C}$ chemostratigraphy in southern Sweden and globally: a refined integration with the graptolite and conodont zone successions. <i>Gff</i> , 2014, 136, 355-386.	0.4	47
36	The Cambrian-Ordovician transition in dysoxic facies in Baltica – diverse faunas and carbon isotope anomalies. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 394, 59-73.	1.0	37

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37	Chapter 18 Ordovician and Silurian polychaete diversity and biogeography. Geological Society Memoir, 2013, 38, 265-272.	0.9	18
38	Kingnites diamondigen. et sp. nov., an exceptionally large Silurian paulinitid (Annelida; Polychaeta) from shallow marine settings of Baltoscandia. Gff, 2012, 134, 217-224.	0.4	3
39	Conodont biostratigraphy, and $\delta^{13}\text{C}$ and $\delta^{34}\text{S}$ isotope chemostratigraphy, of the uppermost Ordovician and Lower Silurian at Osmundsberget, Dalarna, Sweden. Gff, 2012, 134, 251-272.	0.4	9
40	Biotic dynamics and carbonate microfacies of the conspicuous Darriwilian (Middle Ordovician) $\delta^{13}\text{C}$ interval, south-central Sweden. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 367-368, 89-103.	1.0	30
41	Ghosts from the past $\delta^{13}\text{C}$ ancestral features reflected in the jaw ontogeny of the polychaetous annelids <i>Marphysa fauchaldi</i> (Eunicidae) and <i>Diopatra aciculata</i> (Onuphidae). Gff, 2012, 134, 309-316.	0.4	12
42	Internal Soft-Tissue Anatomy of Cambrian $\delta^{13}\text{C}$ Orsten Arthropods as Revealed by Synchrotron X-Ray Tomographic Microscopy. PLoS ONE, 2012, 7, e42582.	1.1	26
43	Exceptionally Preserved Cambrian Trilobite Digestive System Revealed in 3D by Synchrotron-Radiation X-Ray Tomographic Microscopy. PLoS ONE, 2012, 7, e35625.	1.1	14
44	Complete record of Furongian polymerid trilobites and agnostoids of Scandinavia $\delta^{13}\text{C}$ a biostratigraphical scheme. Lethaia, 2011, 44, 8-14.	0.6	47
45	Coprolite morphotypes from the Upper Cretaceous of Sweden: novel views on an ancient ecosystem and implications for coprolite taphonomy. Lethaia, 2011, 44, 455-468.	0.6	68
46	Polychaete palaeoecology in an early Late Ordovician marine astrobleme of Sweden. Geological Magazine, 2011, 148, 269-287.	0.9	8
47	Ordovician Polychaeturid Polychaetes: Taxonomy, Distribution and Palaeoecology. Acta Palaeontologica Polonica, 2010, 55, 309-320.	0.4	11
48	$\delta^{13}\text{C}$ Mediterranean Province' hyoliths from the middle Cambrian and Upper Ordovician of Sweden. Gff, 2009, 131, 281-291.	0.4	10
49	Vagrant benthos (Annelida; Polychaeta) associated with Upper Ordovician carbonate mud-mounds of subsurface Gotland, Sweden. Geological Magazine, 2009, 146, 451-462.	0.9	9
50	Untangling a Darriwilian (Middle Ordovician) palaeoecological event in Baltoscandia: conodont faunal changes across the $\delta^{13}\text{C}$ interval. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2009, 100, 353-370.	0.3	24
51	Cambrian high-resolution biostratigraphy and carbon isotope chemostratigraphy in Scania, Sweden: first record of the SPICE and DICE excursions in Scandinavia. Lethaia, 2009, 42, 2-16.	0.6	88
52	First Record of Megaramphopriion (Annelida; Polychaeta) in Laurentia. Journal of Paleontology, 2008, 82, 1218-1219.	0.5	0
53	Review of scolecodonts assigned to <i>Arabellites</i> , based on Hinde's (1879) type material. Journal of Paleontology, 2008, 82, 628-633.	0.5	3
54	An atypical intra-platform environment and biota from the Silurian of Gotland, Sweden. Gff, 2008, 130, 79-86.	0.4	7

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55	First record of <i>Megaramphopriion</i> (Annelida; Polychaeta) in Laurentia. <i>Journal of Paleontology</i> , 2008, 82, 1218-1219.	0.5	0
56	Diversification and biogeography of scolecodont-bearing polychaetes in the Ordovician. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 245, 95-114.	1.0	60
57	Anomalous facies and ancient faeces in the latest middle Cambrian of Sweden. <i>Lethaia</i> , 2007, 40, 69-84.	0.6	32
58	Polychaete jaw apparatuses and scolecodonts from the Silurian Ireviken Event interval of Gotland, Sweden. <i>Gff</i> , 2006, 128, 97-101.	0.4	7
59	The middle Cambrian cosmopolitan key species <i>Lejopyge laevigata</i> and its biozone: new data from Sweden. <i>Geological Magazine</i> , 2006, 143, 447-455.	0.9	28
60	The Silurian Ireviken Event and vagile benthic faunal turnovers (Polychaeta; Eunicida) on Gotland, Sweden. <i>Gff</i> , 2006, 128, 91-95.	0.4	13
61	Silurian research at the crossroads. <i>Gff</i> , 2006, 128, 73-74.	0.4	4
62	A latest Llandovery to latest Ludlow high-resolution biostratigraphy based on the Silurian of Gotland—a summary. <i>Gff</i> , 2006, 128, 109-114.	0.4	88
63	A model of reconstruction for the oral apparatus of the Ordovician conodont genus <i>Protopanderodus</i> Lindström, 1971. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2006, 97, 97-112.	1.0	14
64	STRATIGRAPHIC ORIGIN OF HINDE'S (1879) ORDOVICIAN SCOLECODONTS INFERRED FROM ASSOCIATED GRAPTOLITES. <i>Journal of Paleontology</i> , 2006, 80, 396-399.	0.5	3
65	JAWED POLYCHAETES FROM THE UPPER SYLVAN SHALE (UPPER ORDOVICIAN), OKLAHOMA, USA. <i>Journal of Paleontology</i> , 2005, 79, 486-496.	0.5	11
66	Furongian (upper Cambrian) biostratigraphy and trilobites of the Åv-1 drill core, Scania, S. Sweden. <i>Gff</i> , 2005, 127, 195-203.	0.4	16
67	Silurian scolecodonts. <i>Review of Palaeobotany and Palynology</i> , 2004, 131, 269-300.	0.8	49
68	Scolecodonts from the Upper Danian (Paleocene) of Skåne, Sweden. <i>Gff</i> , 2003, 125, 163-167.	0.4	3
69	LATE ORDOVICIAN JAWED POLYCHAETE FAUNAS OF THE TYPE CININNATIAN REGION, U.S.A. <i>Journal of Paleontology</i> , 2003, 77, 509-523.	0.5	9
70	The jawed annelid <i>Rhytiprion magnus</i> Kielan-Jaworowska, 1966—a muddy bottom dweller. <i>Gff</i> , 2003, 125, 191-199.	0.4	9
71	Late Ordovician jawed polychaete faunas of the type Cincinnatian region, U.S.A.. <i>Journal of Paleontology</i> , 2003, 77, 509-523.	0.5	13
72	An exceptional middle Silurian shale from Gotland, Sweden. <i>Gff</i> , 2002, 124, 181-181.	0.4	2

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73	Silurian Ramphoprioid polychaetes from Gotland, Sweden. <i>Journal of Paleontology</i> , 2001, 75, 993-1015.	0.5	12
74	SILURIAN RAMPHOPRIONID POLYCHAETES FROM GOTLAND, SWEDEN. <i>Journal of Paleontology</i> , 2001, 75, 993-1015.	0.5	21
75	Enigmatic polychaete jaws from the Silurian of Gotland, Sweden. <i>Lethaia</i> , 2000, 33, 175-189.	0.6	15
76	Enrichment of metals in the jaws of fossil and extant polychaetes - distribution and function. <i>Lethaia</i> , 2000, 33, 75-81.	0.6	11
77	Application of microPIXE and STIM in analyses of fossil and Recent polychaete jaws (scolecodonts). <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 158, 287-291.	0.6	10
78	Taxonomic discussion of the scolecodont genera <i>Nereidavus</i> Grinnell, 1877, and <i>Protarabellites</i> Stauffer, 1933 (Annelida: Polychaeta). <i>Journal of Paleontology</i> , 1999, 73, 403-406.	0.5	16
79	<i>Dubichaetaspis bergmani</i> gen. et sp. n., a facies controlled polychaete from the Silurian of Gotland, Sweden. <i>Gff</i> , 1998, 120, 21-25.	0.4	11
80	Scolecodont systematics exemplified by the polychaete <i>Hadoprion cervicornis</i> (Hinde, 1879). <i>Journal of Paleontology</i> , 1998, 72, 477-485.	0.5	26
81	Lower Silurian polychaetaspid polychaetes from Gotland, Sweden. <i>Gff</i> , 1997, 119, 213-230.	0.4	31
82	Morphological variability of peteinoid acritarchs from the Middle Ordovician of Å–land, Sweden, and implications for acritarch classification. <i>Palynology</i> , 0, , 1-15.	0.7	4
83	Late Ordovician jawed polychaete faunas of the type Cincinnati region, U.S.A., 0, .		2
84	Middle Ordovician <i>Drepanoistodus</i> (Vertebrata, Conodonta) from Baltica, with description of three new species. <i>European Journal of Taxonomy</i> , 0, 774, .	0.6	1