Carolin Haug

List of Publications by Citations

89 papers	1,163 citations	19 h-index	30 g-index
99 ext. papers	1,409 ext. citations	3 avg, IF	4.95 L-index

#	Paper	IF	Citations
89	Functional morphology, ontogeny and evolution of mantis shrimp-like predators in the Cambrian. *Palaeontology*, **2012**, 55, 369-399	2.9	90
88	Autofluorescence imaging, an excellent tool for comparative morphology. *Journal of Microscopy*, **2011**, 244, 259-72	1.9	71
87	Morphology and function in the Cambrian Burgess Shale megacheiran arthropod Leanchoilia superlata and the application of a descriptive matrix. *BMC Evolutionary Biology*, **2012**, 12, 162	3	70
86	A holomorph approach to xiphosuran evolution--a case study on the ontogeny of Euproops. *Development Genes and Evolution*, **2012**, 222, 253-68	1.8	54
85	High-level phylogenetic analysis using developmental sequences: the Cambrian +Martinssonia elongata, +Musacaris gerdgeyeri gen. et sp. nov. and their position in early crustacean evolution. *Arthropod Structure and Development*, **2010**, 39, 154-73	1.8	51
84	Imaging and Documenting Gammarideans. *International Journal of Zoology*, **2011**, 2011, 1-9	1.1	39
83	A Carboniferous non-onychophoran lobopodian reveals long-term survival of a Cambrian morphotype. *Current Biology*, **2012**, 22, 1673-5	6.3	33
82	The implications of a Silurian and other thylacocephalan crustaceans for the functional morphology and systematic affinities of the group. *BMC Evolutionary Biology*, **2014**, 14, 159	3	32
81	Evolution of insect wings and development - new details from Palaeozoic nymphs. *Biological Reviews*, **2016**, 91, 53-69	13.5	29
80	Evolution of mantis shrimps (Stomatopoda, Malacostraca) in the light of new Mesozoic fossils. *BMC Evolutionary Biology*, **2010**, 10, 290	3	29
79	Life habits, hox genes, and affinities of a 311 million-year-old holometabolan larva. *BMC Evolutionary Biology*, **2015**, 15, 208	3	28
78	Three-dimensionally preserved minute larva of a great-appendage arthropod from the early Cambrian Chengjiang biota. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 5542-6	11.5	27
77	The ontogeny of the 300 million year old xiphosuran Euproops danae (Euchelicerata) and implications for resolving the Euproops species complex. *Development Genes and Evolution*, **2018**, 228, 63-74	1.8	23
76	The ride of the parasite: a 100-million-year old mantis lacewing larva captured while mounting its spider host. *Zoological Letters*, **2018**, 4, 31	3	23
75	The importance of lithographic limestones for revealing ontogenies in fossil crustaceans. *Swiss Journal of Geosciences*, **2011**, 104, 85-98	2.1	22
74	Unique occurrence of polychelidan lobster larvae in the fossil record and its evolutionary implications. *Gondwana Research*, **2015**, 28, 869-874	5.1	21
73	Isolated mantis shrimp dactyli from the Pliocene of North Carolina and their bearing on the history of Stomatopoda. *Boletin De La Sociedad Geologica Mexicana*, **2013**, 65, 273-284	1.7	21

72	Cretaceous chimera an unusual 100-million-year old neuropteran larva from the Experimental phase of insect evolution. *Palaeodiversity*, **2019**, 12, 1	1.1	21
71	A 520 million-year-old chelicerate larva. *Nature Communications*, **2014**, 5, 4440	17.4	19
70	Diversity of developmental patterns in achelate lobsters-today and in the Mesozoic. *Development Genes and Evolution*, **2013**, 223, 363-73	1.8	19
69	The presumed oldest flying insect: more likely a myriapod?. *PeerJ*, **2017**, 5, e3402	3.1	17
68	"Intermetamorphic" developmental stages in 150 million-year-old achelatan lobsters--The case of the species tenera Oppel, 1862. *Arthropod Structure and Development*, **2016**, 45, 108-121	1.8	16
67	The first fossil record of larval stages of parasitic isopods: cryptoniscus larvae preserved in Miocene amber. *Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen*, **2016**, 279,	1.1	16
66	Diversity and palaeoecology of the enigmatic genus Knebelia (Eucrustacea, Decapoda, Eryonidae) from Upper Jurassic plattenkalks in southern Germany. *Palaeontology*, **2014**, 57, 397-416	2.9	16
65	Defensive enrolment in mantis shrimp larvae (Malacostraca: Stomatopoda). *Contributions To Zoology*, **2014**, 83, 185-194	1.6	16
64	A 100-million-year old predator: a fossil neuropteran larva with unusually elongated mouthparts. *Zoological Letters*, **2019**, 5, 29	3	15
63	New thylacocephalans from the Cretaceous Lagerstten of Lebanon. *Bulletin - Societie Geologique De France*, **2017**, 188, 19	2.3	13
62	A new thylacocephalan crustacean from the Upper Jurassic lithographic limestones of southern Germany and the diversity of Thylacocephala. *Palaeodiversity*, **2019**, 12, 69	1.1	13
61	An exceptionally preserved 110 million years old praying mantis provides new insights into the predatory behaviour of early mantodeans. *PeerJ*, **2017**, 5, e3605	3.1	12
60	A 150-million-year-old crab larva and its implications for the early rise of brachyuran crabs. *Nature Communications*, **2015**, 6, 6417	17.4	12
59	Re-study of larval stages of Amphionides reynaudii (Malacostraca: Eucarida) with modern imaging techniques. *Journal of Crustacean Biology*, **2012**, 32, 916-930	0.8	12
58	Evolution of reproductive strategies in dictyopteran insects clues from ovipositor morphology of extinct roachoids. *Acta Palaeontologica Polonica*,63,		12
57	Evolution of Crustacean Appendages **2013**, 34-73		12
56	The evolution of a key character, or how to evolve a slipper lobster. *Arthropod Structure and Development*, **2016**, 45, 97-107	1.8	11
55	The ontogeny of Limulus polyphemus (Xiphosura s. str., Euchelicerata) revised: looking "under the skin". *Development Genes and Evolution*, **2018**, 228, 49-61	1.8	11

54	Comment on the letter of the Society of Vertebrate Paleontology (SVP) dated April 21, 2020 regarding fossils from conflict zones and reproducibility of fossil-based scientific data—Myanmar amber. *Palaontologische Zeitschrift*, **2020**, 94, 431-437	1.2	11
53	Untangling the Gordian knot-further resolving the super-species complex of 300-million-year-old xiphosurids by reconstructing their ontogeny. *Development Genes and Evolution*, **2020**, 230, 13-26	1.8	10
52	The evolution of centipede venom claws - open questions and possible answers. *Arthropod Structure and Development*, **2014**, 43, 5-16	1.8	10
51	Tagmatization in Stomatopoda - reconsidering functional units of modern-day mantis shrimps (Verunipeltata, Hoplocarida) and implications for the interpretation of fossils. *Frontiers in Zoology*, **2012**, 9, 31	2.8	10
50	Beetle larvae with unusually large terminal ends and a fossil that beats them all (Scraptiidae, Coleoptera). *PeerJ*, **2019**, 7, e7871	3.1	9
49	An exceptionally preserved upogebiid (Decapoda: Reptantia) from the Eocene of California. *Boletin De La Sociedad Geologica Mexicana*, **2013**, 65, 235-248	1.7	8
48	Extreme morphologies of mantis shrimp larvae. *Nauplius*, **2016**, 24,	1.3	8
47	Functional morphology of giant mole crab larvae: a possible case of defensive enrollment. *Zoological Letters*, **2016**, 2, 17	3	7
46	Mesoprosopon triasinum from the Triassic of Austria revisited: The oldest eumalacostracan larva known to date and its significance for interpreting fossil cycloids. *Gondwana Research*, **2016**, 37, 86-97	5.1	7
45	A possible 150 million years old cirripede crustacean nauplius and the phenomenon of giant larvae. *Contributions To Zoology*, **2017**, 86, 213-227	1.6	7
44	Challenges for understanding lacewings: how to deal with the incomplete data from extant and fossil larvae of Nevrorthidae? (Neuroptera). *Fragmenta Entomologica*, **2020**, 52, 137-168	0.4	7
43	Central nervous system and muscular bundles preserved in a 240 million year old giant bristletail (Archaeognatha: Machilidae). *Scientific Reports*, **2017**, 7, 46016	4.9	6
42	A possible hatchling of a jumping bristletail in 50 million years old amber. *Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen*, **2015**, 278, 191-199	1.1	6
41	First African thylacocephalans from the Famennian of Morocco and their role in Late Devonian food webs. *Scientific Reports*, **2020**, 10, 5129	4.9	6
40	Identifying the oldest larva of a myrmeleontiformian lacewing – a morphometric approach. *Acta Palaeontologica Polonica*,65,		6
39	An unusual 100-million-year old holometabolan larva with a piercing mouth cone. *PeerJ*, **2020**, 8, e8661	3.1	6
38	New extreme morphologies as exemplified by 100 million-year-old lacewing larvae. *Scientific Reports*, **2021**, 11, 20432	4.9	6
37	Comment on the letter of the Society of Vertebrate Paleontology (SVP) dated April 21, 2020 regarding fossils from conflict zones and reproducibility of fossil-based scientific data—the importance of private collections. *Palaontologische Zeitschrift*, **2020**, 94, 413-429	1.2	6

36	Feeding strategies in arthropods from the Rhynie and Windyfield cherts: ecological diversification in an early non-marine biota. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	5
35	Ontogenetic sequence comparison of extant and fossil tadpole shrimps: no support for the 'living fossil' concept. *Palaontologische Zeitschrift*, **2017**, 91, 463-472	1.2	5
34	The evolution of feeding within Euchelicerata: data from the fossil groups Eurypterida and Trigonotarbida illustrate possible evolutionary pathways. *PeerJ*,8, e9696	3.1	5
33	A 100 million-year-old armoured caterpillar supports the early diversification of moths and butterflies. *Gondwana Research*, **2021**, 93, 101-105	5.1	5
32	Split-footed lacewings declined over time: indications from the morphological diversity of their antlion-like larvae. *Palaontologische Zeitschrift*,1	1.2	5
31	Changes in the Morphological Diversity of Larvae of Lance Lacewings, Mantis Lacewings and Their Closer Relatives over 100 Million Years. *Insects*, **2021**, 12,	2.8	5
30	'Crustacea' Comparative Aspects of Larval Development **2015**, 1-37		4
29	The decline of silky lacewings and morphological diversity of long-nosed antlion larvae through time. *Palaeontologia Electronica*,	1.3	4
28	A new glimpse on Mesozoic zooplankton-150 million-year-old lobster larvae. *PeerJ*, **2017**, 5, e2966	3.1	4
27	An Intermetamorphic Larval Stage of a Mantis Shrimp and Its Contribution to the 'Missing-Element Problem' of Stomatopod Raptorial Appendages. *Annual Research & Review in Biology*, **2016**, 10, 1-19	0.8	4
26	Giant planktic larvae of anomalan crustaceans and their unusual compound eyes. *Helgoland Marine Research*, **2020**, 74,	1.8	4
25	The morphological diversity of spoon-winged lacewing larvae and the first possible fossils from 99 million-year-old Kachin amber, Myanmar. *Palaeodiversity*, **2021**, 14,	1.1	4
24	The earliest record of fossil solid-wood-borer larvae: immature beetles in 99 million-year-old Myanmar amber **2021**, 4,		4
23	A new calmanostracan crustacean species from the Cretaceous Yixian Formation and a simple approach for differentiating fossil tadpole shrimps and their relatives. *Zoological Letters*, **2019**, 5, 20	3	3
22	An owlfly larva preserved in Mexican amber and the Miocene record of lacewing larvae. *Boletin De La Sociedad Geologica Mexicana*, **2021**, 73, A271220	1.7	3
21	Detailed description of some mantis shrimp larvae and their implication for the character evolution within Stomatopoda. *Nauplius*,28,	1.3	3
20	A new glimpse on trophic interactions of 100-million-year old lacewing larvae. *Acta Palaeontologica Polonica*,65,		3
19	After 100 years: a detailed view of an eumalacostracan crustacean from the Upper Jurassic Solnhofen Lagerstätte with raptorial appendages unique to Euarthropoda. *Lethaia*, **2021**, 54, 55-72	1.3	3

18	A eucrustacean from the Cambrian Orsten of Sweden with epipods and a maxillary excretory opening. *Palaeontology*, **2014**, 57, 909-930	2.9	2
17	EXPANDING THE RECORD OF LARVAE OF FALSE FLOWER BEETLES WITH PROMINENT TERMINAL ENDS **2022**, 128,		2
16	Texas beetle larvae (Brachypsectridae) the last 100 million years reviewed. *Palaeodiversity*, **2021**, 14,	1.1	2
15	The fossil record of whip spiders: the past of Amblypygi. *Palaontologische Zeitschrift*, **2021**, 95, 387-412	1.2	2
14	New species of Thylacocephala, Eodollocaris keithflinti n. gen., n. sp., from the Mazon Creek Lagerstte, Illinois, United States (c. 307 Ma) and redescription of other Mazon Creek thylacocephalans. *Geodiversitas*, **2021**, 43,	1.2	2
13	A new extreme type of mantis shrimp larva. *Nauplius*, **2018**, 26,	1.3	2
12	Enalikter aphson is more likely an annelid than an arthropod: a comment to Siveter et al. (2014). *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20140946; discussion 20142663	4.4	1
11	Morphological changes during the post-embryonic ontogeny of mesothelan spiders and aspects of character evolution in early spiders. *Development Genes and Evolution*, **2021**, 231, 47-56	1.8	1
10	Morphology and anatomy of the Late Jurassic Mayrocaris bucculata (Eucrustacea?, Thylacocephala) with comments on the tagmosis of Thylacocephala. *Journal of Systematic Palaeontology*, **2021**, 19, 289-320	2.3	1
9	First fossil tumbling flower beetle-type larva from 99 million-year-old amber. *Palaontologische Zeitschrift*,1	1.2	1
8	The first fossil immature of Elmidae: an unusual riffle beetle larva preserved in Baltic amber.. *PeerJ*, **2022**, 10, e13025	3.1	1
7	Declining morphological diversity in snakefly larvae during last 100 million years. *Palaontologische Zeitschrift*,1	1.2	1
6	A fossil aphidlion preserved together with its prey in 40 million-year-old Baltic amber. *Palaeobiodiversity and Palaeoenvironments*,1	0.9	0
5	Intraspecific variation in the Cambrian: new observations on the morphology of the Chengjiang euarthropod Sinoburius lunaris. *Bmc Ecology and Evolution*, **2021**, 21, 127	21	0
4	Methods and Practices in Paleo-Evo-Devo **2017**, 1-14		
3	A new fossil mantis shrimp and the convergent evolution of a lobster-like morphotype. *PeerJ*, **2021**, 9, e11124	3.1	
2	Fossil dragonfly-type larva with lateral abdominal protrusions and implications on the early evolution of Pterygota. *IScience*, **2021**, 24, 103162	6.1	
1	Methods and Practices in Paleo-Evo-Devo **2021**, 1151-1164		