

Stefan Richter

List of Publications by Year in descending order

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95
papers

3,000
citations

159585

30
h-index

189892

50
g-index

96
all docs

96
docs citations

96
times ranked

2161
citing authors

#	ARTICLE	IF	CITATIONS
1	How body patterning might have worked in the evolution of arthropods—A case study of the mystacocarid <i>Derocheilocaris remanei</i> (Crustacea, Oligostraca). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 342-359.	1.3	2
2	Locomotion in Anaspides (Anaspidacea, Malacostraca) — insights from a morpho-functional study of thoracopods with some observations on swimming and walking. <i>Zoology</i> , 2021, 144, 125883.	1.2	8
3	High degree of non-genetic phenotypic variation in the vascular system of crayfish: a discussion of possible causes and implications. <i>Zoomorphology</i> , 2021, 140, 317-329.	0.8	2
4	Genetic structure and new occurrence records of the iconic Tasmanian mountain shrimp. <i>Australian Journal of Zoology</i> , 2021, 68, 45-53.	1.0	1
5	Why “swimming crabs” are able to swim — The importance of the axial skeleton: A comparison between the “swimming crab” <i>Liocarcinus depurator</i> and two other brachyuran crabs (<i>Cancer pagurus</i> , <i>Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 302 T</i>) <i>Zoomorphology</i> , 2021, 140, 100972.	1.4	3
6	From swimming towards sessility in two metamorphoses — the drastic changes in structure and function of the nervous system of the bay barnacle <i>Amphibalanus improvisus</i> (Crustacea, Thecostraca.) <i>Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 302 T</i>	0.5	1
7	Adapting spherical-harmonics-based geometric morphometrics (SPHARM) for 3D images containing large cavity openings using ambient occlusion: a study with hermit crab claw shape variability. <i>Zoomorphology</i> , 2020, 139, 421-432.	0.8	1
8	The brain and the corresponding sense organs in calanoid copepods — Evidence of vestiges of compound eyes. <i>Arthropod Structure and Development</i> , 2020, 54, 100902.	1.4	7
9	Phylogeny and Biogeography of Spinicaudata (Crustacea: Branchiopoda). <i>Zoological Studies</i> , 2020, 59, e44.	0.3	5
10	ROSTOCK: The Zoological Collection of the University of Rostock. <i>Natural History Collections</i> , 2018, , 583-589.	0.1	1
11	Phylogeny and species diversity of Tasmanian mountain shrimps and their relatives (Crustacea.) <i>Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 302 T</i>	1.7	5
12	Constant morphological patterns in the hemolymph vascular system of crayfish (Crustacea.) <i>Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 302 T</i>	1.4	3
13	The chewing lice (Phthiraptera: Ischnocera, Amblycera) of the great cormorant (<i>Phalacrocorax</i>) <i>Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 302 T</i>	1.3	2
14	Tetraconatan phylogeny with special focus on Malacostraca and Branchiopoda: highlighting the strength of taxon-specific matrices in phylogenomics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181524.	2.6	80
15	One hundred years of carcinization — the evolution of the crab-like habitus in Anomura (Arthropoda:) <i>Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 302 T</i>	1.6	2
16	The first organ-based free ontology for arthropods (Ontology of Arthropod Circulatory Systems -) <i>Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 302 T</i> <i>Systematic Biology</i> , 2017, 66, syw108.	5.6	13
17	Unexpected UBX expression in the maxilliped of the mystacocarid crustacean <i>Derocheilocharis remanei</i> — evidence for a different way of making a maxilliped?. <i>Development Genes and Evolution</i> , 2017, 227, 289-296.	0.9	4
18	Homology and synapomorphy—symplesiomorphy—neither synonymous nor equivalent but different perspectives on the same phenomenon. <i>Cladistics</i> , 2017, 33, 540-544.	3.3	33

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19	The Tasmanian Lake Shrimps, <i>Paranaspides</i> Smith, 1908 (Crustacea, Syncarida, Anaspidesidae). Records of the Australian Museum, 2017, 69, 259-275.	0.2	2
20	Revealing their innermost secrets: an evolutionary perspective on the disparity of the organ systems in anomuran crabs (Crustacea: Decapoda: Anomura). Contributions To Zoology, 2016, 85, 361-386.	0.5	8
21	The word is not enough: on morphemes, characters and ontological concepts. Cladistics, 2016, 32, 682-690.	3.3	14
22	Nervous system development in the fairy shrimp <i>Branchinella</i> sp. (Crustacea: Branchiopoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 organs. Journal of Morphology, 2016, 277, 1423-1446.	1.2	6
23	Evolution of eumalacostracan developmentâ€”new insights into loss and reacquisition of larval stages revealed by heterochrony analysis. EvoDevo, 2015, 6, 4.	3.2	13
24	The mouth apparatus of <i>Lithodes maja</i> (Crustacea: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 42 Td (<scps>C</scps>rustacea:)	0.8	11
25	How the cladoceran heterogonic life cycle evolvedâ€”insights from gamogenetic reproduction and direct development in Cyclestherida. Evolution & Development, 2015, 17, 356-366.	2.0	4
26	The anatomy of the king crab <i>Hapalogaster mertensii</i> Brandt, 1850 (Anomura: Paguroidea: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (<scps>C</scps>rustacea:)	0.5	10
27	Spinicaudata (Branchiopoda: Diplostraca) in Australiaâ€™s arid zone: unparalleled diversity at regional scales and within water bodies. Journal of Crustacean Biology, 2015, 35, 366-378.	0.8	22
28	Evolutionary morphology of the organ systems in squat lobsters and porcelain crabs (Crustacea: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 organs.	1.2	25
29	Evolutionary systematics of the Australian Cyzicidae (Crustacea, Branchiopoda, Spinicaudata) with the description of a new genus. Zoological Journal of the Linnean Society, 2015, 173, 271-295.	2.3	24
30	Development of the nervous system in Cephalocarida (Crustacea): early neuronal differentiation and successive patterning. Zoomorphology, 2015, 134, 183-209.	0.8	12
31	Finding Our Way through Phenotypes. PLoS Biology, 2015, 13, e1002033.	5.6	178
32	Stochastic effects associated with resting egg banks lead to genetically differentiated active populations in large branchiopods from temporary water bodies. Hydrobiologia, 2015, 760, 239-253.	2.0	8
33	Evolution, classification, and global diversity of large Branchiopoda. Journal of Crustacean Biology, 2015, 35, 297-300.	0.8	5
34	The brain in three crustaceans from cavernous darkness. BMC Neuroscience, 2015, 16, 19.	1.9	34
35	Male claspers in clam shrimps (Crustacea, Branchiopoda) in the light of evolution: A case study on homology versus analogy. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2014, 322, 269-280.	1.3	11
36	The ventral nerve cord in Cephalocarida (Crustacea): New insights into the ground pattern of Tetraconata. Journal of Morphology, 2014, 275, 269-294.	1.2	19

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37	Evolutionary systematics of the Australian <i>Eocyclus</i> fauna (Crustacea: Branchiopoda): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 10 Td Systematics and Evolutionary Research, 2014, 52, 15-31.	1.4	27
38	A research program for Evolutionary Morphology. Journal of Zoological Systematics and Evolutionary Research, 2014, 52, 338-350.	1.4	70
39	Unraveling the origin of Cladocera by identifying heterochrony in the developmental sequences of Branchiopoda. Frontiers in Zoology, 2013, 10, 35.	2.0	22
40	The fate of the onychophoran antenna. Development Genes and Evolution, 2013, 223, 247-251.	0.9	17
41	Cyclestheria hislopi (Crustacea: Branchiopoda): A group of morphologically cryptic species with origins in the Cretaceous. Molecular Phylogenetics and Evolution, 2013, 66, 800-810.	2.7	50
42	The development of the nervous system in Laevicaudata (Crustacea, Branchiopoda): insights into the evolution and homologies of branchiopod limbs and "frontal organs". Zoomorphology, 2013, 132, 163-181.	0.8	23
43	Myogenesis of Malacostraca " the "egg-nauplius" concept revisited. Frontiers in Zoology, 2013, 10, 76.	2.0	21
44	Evolutionary morphology of the hemolymph vascular system in hermit and king crabs (Crustacea: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td Circulatory System and Respiration. , 2013, , 376-412.	1.2	26
45	Circulatory System and Respiration. , 2013, , 376-412.		8
46	Onychocaudata (Branchiopoda: Diplostraca), a new high-level taxon in branchiopod systematics. Journal of Crustacean Biology, 2013, 33, 62-65.	0.8	28
47	The Arthropod Head. , 2013, , 223-240.		9
48	Description of four new species of Limnadopsis from Australia (Crustacea: Branchiopoda): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td Flying with the birds? Recent large area dispersal of four Australian <i>Limnadopsis</i> species (Crustacea: Branchiopoda: Spinicaudata). Ecology and Evolution, 2012, 2, 1605-1626.	0.5	19
49	Flying with the birds? Recent large area dispersal of four Australian <i>Limnadopsis</i> species (Crustacea: Branchiopoda: Spinicaudata). Ecology and Evolution, 2012, 2, 1605-1626.	1.9	36
50	Nervous system development in Spinicaudata and Cyclestherida (Crustacea, Branchiopoda) " comparing two different modes of indirect development by using an event pairing approach. Journal of Morphology, 2012, 273, 672-695.	1.2	27
51	An integrative approach to species delineation incorporating different species concepts: a case study of Limnadopsis (Branchiopoda: Spinicaudata). Biological Journal of the Linnean Society, 2011, 104, 575-599.	1.6	44
52	Morphological diversity of setae on the grooming legs in Anomala (Decapoda: Reptantia) revealed by scanning electron microscopy. Zoologischer Anzeiger, 2011, 250, 343-366.	0.9	18
53	Phylogeny of the Anomala (Crustacea, Decapoda, Reptantia) based on the ossicles of the foregut. Zoologischer Anzeiger, 2011, 250, 316-342.	0.9	27
54	Morphology of the brain in Hutchinsoniella macracantha (Cephalocarida, Crustacea). Arthropod Structure and Development, 2011, 40, 221-243.	1.4	54

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55	Architecture of the nervous system in mystacocarida (Arthropoda, crustacea)â€”An immunohistochemical study and 3D reconstruction. Journal of Morphology, 2010, 271, 169-189.	1.2	42
56	Muscle development in the marbled crayfishâ€”insights from an emerging model organism (Crustacea,) Tj ETQq0 0,0 rgBT /Overlock 10	0.9	20
57	The formation of the nervous system during larval development in <i>Triops cancriformis</i> (Bosc) (Crustacea, Branchiopoda): An immunohistochemical survey. Journal of Morphology, 2010, 271, 1457-1481.	1.2	47
58	Invertebrate neurophylogeny: suggested terms and definitions for a neuroanatomical glossary. Frontiers in Zoology, 2010, 7, 29.	2.0	281
59	Evolutionary morphology of the circulatory system in Peracarida (Malacostraca; Crustacea). Cladistics, 2010, 26, 143-167.	3.3	71
60	The Clam Shrimp Eocycticus (Branchiopoda: Spinicaudata: Cyzicidae) in Australia. Journal of Crustacean Biology, 2009, 29, 245-253.	0.8	11
61	The Hemolymph Vascular System in Tethysbaena Argentarii (Thermosbaenacea: Monodellidae) as Revealed by 3D Reconstructions of Semi-Thin Sections. Journal of Crustacean Biology, 2009, 29, 13-17.	0.8	8
62	Symmetry variation in the heartâ€”descending artery system of the parthenogenetic marbled crayfish. Journal of Morphology, 2009, 270, 221-226.	1.2	23
63	Phylogeny of Spinicaudata (Branchiopoda, Crustacea) based on three molecular markers â€” An Australian origin for Limnadopsis. Molecular Phylogenetics and Evolution, 2009, 53, 716-725.	2.7	51
64	Morphology of the haemolymph vascular system in Tanaidacea and Cumacea: â€” Implications for the relationships of â€”core groupâ€”Peracarida (Malacostraca; Crustacea). Arthropod Structure and Development, 2008, 37, 141-154.	1.4	11
65	Limb articulation in caridoid crustaceans revisited â€” New evidence from Euphausiacea (Malacostraca). Arthropod Structure and Development, 2008, 37, 221-233.	1.4	4
66	The circulatory system in Mysidacea-Implications for the phylogenetic position of Lophogastrida and Mysida (Malacostraca, Crustacea). Journal of Morphology, 2007, 268, 311-328.	1.2	21
67	Phylogeny of Branchiopoda (Crustacea) based on a combined analysis of morphological data and six molecular loci. Cladistics, 2007, 23, 301-336.	3.3	103
68	The circulatory system and its spatial relations to other major organ systems in Spelaeogriphacea and Mictacea (Malacostraca, Crustacea) - a three-dimensional analysis. Zoological Journal of the Linnean Society, 2007, 149, 629-642.	2.3	12
69	Phylogenetic analysis of the Brachyura (Crustacea, Decapoda) based on characters of the foregut with establishment of a new taxon. Journal of Zoological Systematics and Evolutionary Research, 2007, 45, 20-32.	1.4	63
70	Comparative analysis of the circulatory system in Amphipoda (Malacostraca, Crustacea). Acta Zoologica, 2007, 88, 159-171.	0.8	16
71	The nervous system of Leptodora kindtii (Branchiopoda, Cladocera) surveyed with Confocal Scanning Microscopy (CLSM), including general remarks on the branchiopod neuromorphological ground pattern. Arthropod Structure and Development, 2007, 36, 143-156.	1.4	34
72	The nauplius eye complex in â€”conchostracansâ€”™(Crustacea, Branchiopoda: Laevicaudata, Spinicaudata,) Tj ETQq0 0 0 rgBT /Overlock 408-419.	1.4	12

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73	The Mandibles of a Halocyprid Ostracode (Halocypridina: Halocypridae) – a New Record of Mandibular Gnathal Edges with a –Lacinia Mobilis–. <i>Journal of Crustacean Biology</i> , 2006, 26, 113-118.	0.8	10
74	Evolutionary Developmental Biology: New challenges to the homology concept? – The 46th Phylogenetisches Symposium held in Jena. <i>Theory in Biosciences</i> , 2005, , .	1.4	0
75	Homologies in phylogenetic analyses – concept and tests. <i>Theory in Biosciences</i> , 2005, 124, 105-120.	1.4	18
76	Homologies in phylogenetic analyses – concept and tests. <i>Theory in Biosciences</i> , 2005, 124, 105-120.	1.4	39
77	A list of the Recent clam shrimps (Crustacea: Laevicaudata, Spinicaudata, Cyclestherida) of Australia, including a description of a new species of <i>Eocyclus</i> . <i>Records of the Australian Museum</i> , 2005, 57, 341-354.	0.2	27
78	The larval development of an Australian limnadiid clam shrimp (Crustacea, Branchiopoda,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	0.9	14
79	A comparison of the mandibular gnathal edges in branchiopod crustaceans: implications for the phylogenetic position of the Laevicaudata. <i>Zoomorphology</i> , 2004, 123, 31-44.	0.8	30
80	Improvement of microanatomical research by combining corrosion casts with MicroCT and 3D reconstruction, exemplified in the circulatory organs of the woodlouse. <i>Microscopy Research and Technique</i> , 2004, 64, 250-254.	2.2	45
81	The compound eye of <i>Scutigera coleoptrata</i> (Linnaeus, 1758) (Chilopoda: Notostigmophora): an ultrastructural reinvestigation that adds support to the Mandibulata concept. <i>Zoomorphology</i> , 2003, 122, 191-209.	0.8	95
82	The circulatory system in Phreatoicidea: implications for the isopod ground pattern and peracarid phylogeny. <i>Arthropod Structure and Development</i> , 2003, 32, 337-347.	1.4	14
83	On the ontogeny of <i>Leptodora kindtii</i> (Crustacea, Branchiopoda, Cladocera), with notes on the phylogeny of the Cladocera. <i>Journal of Morphology</i> , 2003, 256, 235-259.	1.2	39
84	The mouthparts of two lophogastrids, <i>Chalaraspidium alatuma</i> and <i>Pseudochalaraspidium hanseni</i> (Lophogastrida, Peracarida, Malacostraca), including some remarks on the monophyly of the Lophogastrida. <i>Journal of Natural History</i> , 2003, 37, 2773-2786.	0.5	10
85	The Tetraconata concept: hexapod-crustacean relationships and the phylogeny of Crustacea. <i>Organisms Diversity and Evolution</i> , 2002, 2, 217-237.	1.6	164
86	The lacinia mobilis and Similar Structures – a Valuable Character in Arthropod Phylogenetics?. <i>Zoologischer Anzeiger</i> , 2002, 241, 339-361.	0.9	41
87	The foregut-ossicle system of <i>Dromia wilsoni</i> , <i>Dromia personata</i> and <i>Lauridromia intermedia</i> (Decapoda, Brachyura, Dromiidae), studied with a new staining method. <i>Arthropod Structure and Development</i> , 2002, 30, 329-338.	1.4	37
88	Phylogenetic relationships within the Phyllopoda (Crustacea, Branchiopoda) based on mitochondrial and nuclear markers. <i>Molecular Phylogenetics and Evolution</i> , 2002, 25, 229-244.	2.7	78
89	Title is missing!. <i>Hydrobiologia</i> , 2002, 486, 239-247.	2.0	30
90	The Phylogenetic Relationships of –Predatory Water-Fleas– (Cladocera: Onychopoda, Haplopoda) Inferred from 12S rDNA. <i>Molecular Phylogenetics and Evolution</i> , 2001, 19, 105-113.	2.7	18

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91	FIRST RECORD OF LIMNADIA LENTICULARIS MALES IN EUROPE (BRANCHIOPODA: CONCHOSTRACA). Journal of Crustacean Biology, 2000, 20, 657-662.	0.8	13
92	Phylogenetic systematics of the reptantian Decapoda (Crustacea, Malacostraca). Zoological Journal of the Linnean Society, 1995, 113, 289-328.	2.3	164
93	Phylogenetic systematics of the reptantian Decapoda (Crustacea, Malacostraca). Zoological Journal of the Linnean Society, 1995, 113, 289-328.	2.3	82
94	The Development of Phylogenetic Concepts in Hennig's Early Theoretical Publications (1947-1966). Systematic Biology, 1994, 43, 212.	5.6	1
95	Phoretic Association Between the Dauerjuveniles of Rhabditis Stammeri (Rhabditidae) and Life History Stages of the Burying Beetle Nicrophorus Vespilloides (Coleoptera: Silphidae). Nematologica, 1993, 39, 346-355.	0.2	41