

Heike WÃ¤gele

List of Publications by Year in descending order

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90
papers

2,696
citations

218677

26
h-index

214800

47
g-index

92
all docs

92
docs citations

92
times ranked

1644
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogeny of the Nudibranchia. <i>Zoological Journal of the Linnean Society</i> , 2000, 130, 83-181.	2.3	152
2	Opisthobranchia (Mollusca, Gastropoda) - more than just slimy slugs. Shell reduction and its implications on defence and foraging. <i>Frontiers in Zoology</i> , 2005, 2, 3.	2.0	150
3	Chemical induction of silent biosynthetic pathway transcription in <i>Aspergillus niger</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1199-1213.	3.0	148
4	Functional chloroplasts in metazoan cells - a unique evolutionary strategy in animal life. <i>Frontiers in Zoology</i> , 2009, 6, 28.	2.0	132
5	Reconstruction of the phylogeny of the Opisthobranchia (Mollusca: Gastropoda) by means of 18s and 28s rRNA gene sequences. <i>Journal of Molluscan Studies</i> , 2005, 71, 113-125.	1.2	123
6	Transcriptomic Evidence That Longevity of Acquired Plastids in the Photosynthetic Slugs <i>Elysia timida</i> and <i>Plakobranthus ocellatus</i> Does Not Entail Lateral Transfer of Algal Nuclear Genes. <i>Molecular Biology and Evolution</i> , 2011, 28, 699-706.	8.9	119
7	The taxonomist - an endangered race. A practical proposal for its survival. <i>Frontiers in Zoology</i> , 2011, 8, 25.	2.0	101
8	Retention of functional chloroplasts in some sacoglossans from the Indo-Pacific and Mediterranean. <i>Marine Biology</i> , 2007, 151, 2159-2166.	1.5	81
9	Flashback and foreshadowing – a review of the taxon Opisthobranchia. <i>Organisms Diversity and Evolution</i> , 2014, 14, 133-149.	1.6	74
10	Potential key characters in Opisthobranchia (Gastropoda, Mollusca) enhancing adaptive radiation. <i>Organisms Diversity and Evolution</i> , 2004, 4, 175-188.	1.6	69
11	Is <i>ftsH</i> the Key to Plastid Longevity in Sacoglossan Slugs?. <i>Genome Biology and Evolution</i> , 2013, 5, 2540-2548.	2.5	68
12	Defensive Glandular Structures In Opisthobranch Molluscs – From Histology To Ecology. <i>Oceanography and Marine Biology</i> , 2006, , 197-276.	1.0	55
13	Plastid-bearing sea slugs fix CO ₂ in the light but do not require photosynthesis to survive. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132493.	2.6	54
14	Slugs™ last meals: molecular identification of sequestered chloroplasts from different algal origins in Sacoglossa (Opisthobranchia, Gastropoda). <i>Molecular Ecology Resources</i> , 2010, 10, 968-978.	4.8	50
15	Initial Results on the Molecular Phylogeny of the Nudibranchia (Gastropoda, Opisthobranchia) Based on 18S rDNA Data. <i>Molecular Phylogenetics and Evolution</i> , 1999, 13, 215-226.	2.7	49
16	Phylogenetic support values are not necessarily informative: the case of the Serialia hypothesis (a) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	49
17	What remains after 2 months of starvation? Analysis of sequestered algae in a photosynthetic slug, <i>Plakobranthus ocellatus</i> (Sacoglossa, Opisthobranchia), by barcoding. <i>Planta</i> , 2013, 237, 559-572.	3.2	49
18	Antimicrobial Potential of Bacteria Associated with Marine Sea Slugs from North Sulawesi, Indonesia. <i>Frontiers in Microbiology</i> , 2017, 8, 1092.	3.5	46

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19	Phylogenetic evidence for multiple independent origins of functional kleptoplasty in Sacoglossa (Heterobranchia, Gastropoda). <i>Organisms Diversity and Evolution</i> , 2015, 15, 23-36.	1.6	45
20	Comparison of sister species identifies factors underpinning plastid compatibility in green sea slugs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142519.	2.6	44
21	Giant embryos and hatchlings of Antarctic nudibranchs (Mollusca: Gastropoda: Heterobranchia). <i>Marine Biology</i> , 2017, 164, 1.	1.5	42
22	Defensive strategies of Cladobranchia (Gastropoda, Opisthobranchia). <i>Natural Product Reports</i> , 2010, 27, 1386.	10.3	41
23	Symbiosis between Symbiodinium (Dinophyceae) and various taxa of Nudibranchia (Mollusca: Gastropoda: Opisthobranchia). <i>Journal of Molluscan Studies</i> , 2014, 80, 499-507.	1.6	33
24	Distribution of granuloside in the Antarctic nudibranch <i>Charcotia granulosa</i> (Gastropoda: Opisthobranchia). <i>Journal of Molluscan Studies</i> , 2014, 80, 542-549.	1.5	33
25	Comparative morphology and evolution of the cnidosac in Cladobranchia (Gastropoda: Opisthobranchia). <i>Journal of Molluscan Studies</i> , 2014, 80, 505-512.	2.0	33
26	Identification of sequestered chloroplasts in photosynthetic and non-photosynthetic sacoglossan sea slugs (Mollusca, Gastropoda). <i>Frontiers in Zoology</i> , 2014, 11, 15.	2.0	32
27	Why It Is Time to Look Beyond Algal Genes in Photosynthetic Slugs. <i>Genome Biology and Evolution</i> , 2015, 7, 2602-2607.	2.5	28
28	Photosynthate accumulation in solar-powered sea slugs - starving slugs survive due to accumulated starch reserves. <i>Frontiers in Zoology</i> , 2017, 14, 4.	2.0	27
29	REVISION OF THE GENUS <i>AUSTRODORIS</i> ODHNER, 1926 (GASTROPODA, OPISTHOBRANCHIA). <i>Journal of Molluscan Studies</i> , 1990, 56, 163-180.	1.2	26
30	Functional kleptoplasty in a limapontioidean genus: phylogeny, food preferences and photosynthesis in <i>Costasiella</i> , with a focus on <i>C. ocellifera</i> (Gastropoda: Sacoglossa). <i>Journal of Molluscan Studies</i> , 2014, 80, 499-507.	1.2	25
31	A new solar powered species of the genus <i>Phyllodesmium</i> Ehrenberg, 1831 (Mollusca: Nudibranchia). <i>Zootaxa</i> , 2004, 596, .	0.5	25
32	Taxonomic Redescription of the Doridoxidae (Gastropoda: Opisthobranchia), an Enigmatic Family of Deep Water Nudibranchs, with Discussion of Basal Nudibranch Phylogeny. <i>Zoologischer Anzeiger</i> , 2001, 240, 83-97.	0.9	24
33	Endosymbioses in Sacoglossan Seaslugs: Plastid-Bearing Animals that Keep Photosynthetic Organelles Without Borrowing Genes. <i>Journal of Molluscan Studies</i> , 2014, , 291-324.		24
34	A REVISION OF THE ANTARCTIC SPECIES OF <i>BATHYDORIS</i> BERGH, 1884 AND COMPARISON WITH OTHER KNOWN <i>BATHYDORIDS</i> (OPISTHOBRANCHIA, NUDIBRANCHIA). <i>Journal of Molluscan Studies</i> , 1989, 55, 343-364.	1.2	23
35	Three new solar-powered species of the genus <i>Phyllodesmium</i> Ehrenberg, 1831 (Mollusca: Opisthobranchia) and notes on biology. <i>Journal of Molluscan Studies</i> , 2008, 74, 277-292.	1.2	22
36	Chloroplast incorporation and long-term photosynthetic performance through the life cycle in laboratory cultures of <i>Elysia timida</i> (Sacoglossa, Heterobranchia). <i>Frontiers in Zoology</i> , 2014, 11, 5.	2.0	22

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37	Dotofide, a Guanidine-Interrupted Terpenoid from the Marine Slug <i>Doto pinnatifida</i> (Gastropoda, Nudibranchia). European Journal of Organic Chemistry, 2011, 2011, 3733-3737.	2.4	20
38	The symbiosis between the "solar-powered" nudibranch <i>Melibe engeli</i> Risbec, 1937 (Dendronotoidea) and <i>Symbiodinium</i> sp. (Dinophyceae). Journal of Molluscan Studies, 2014, 80, 508-517.	1.2	20
39	The Potential of Indonesian Heterobranchs Found around Bunaken Island for the Production of Bioactive Compounds. Marine Drugs, 2017, 15, 384.	4.6	20
40	Dietary Derived Sesquiterpenes from <i>Phyllodesmium lizardensis</i> . Journal of Natural Products, 2009, 72, 298-300.	3.0	19
41	Incorporated nematocysts in <i>Aeolidiella stephanieae</i> (Gastropoda, Opisthobranchia, Aeolidioidea) mature by acidification shown by the pH sensitive fluorescing alkaloid Ageladine A. Toxicon, 2012, 60, 1108-1116.	1.6	19
42	Second survey of heterobranch sea slugs (Mollusca, Gastropoda, Heterobranchia) from Bunaken National Park, North Sulawesi, Indonesia - how much do we know after 12 years?. Marine Biodiversity Records, 2018, 11, .	1.2	18
43	<i>Tergipes antarcticus</i> (Gastropoda, Nudibranchia): distribution, life cycle, morphology, anatomy and adaptation of the first mollusc known to live in Antarctic sea ice. Polar Biology, 2008, 31, 1383-1395.	1.2	17
44	Marine Heterobranchia (Gastropoda, Mollusca) in Bunaken National Park, North Sulawesi, Indonesia – A Follow-Up Diversity Study. Diversity, 2018, 10, 127.	1.7	17
45	Two new sacoglossan sea slug species (Opisthobranchia, Gastropoda): <i>Ercolania annelyleorum</i> sp. nov. (Limapontioidea) and <i>Elysia asbecki</i> sp. nov. (Plakobranchoidea), with notes on anatomy, histology and biology. Zootaxa, 2010, 2676, 1.	0.5	17
46	Morphological and genetic analyses of xeniid soft coral diversity (Octocorallia; Alcyonacea). Organisms Diversity and Evolution, 2013, 13, 135-150.	1.6	16
47	On the anatomy and zoogeography of <i>Tritoniella belli</i> Eliot, 1907 (Opisthobranchia, Nudibranchia) and the synonymy of <i>T. sinuata</i> Eliot, 1907. Polar Biology, 1989, 9, 235-243.	1.2	15
48	Defense in the Aeolidioidean Genus <i>Phyllodesmium</i> (Gastropoda). Journal of Chemical Ecology, 2014, 40, 1013-1024.	1.8	15
49	Defensive Diterpene from the Aeolidioidean <i>Phyllodesmium longicirrum</i> . Journal of Natural Products, 2016, 79, 611-615.	3.0	15
50	Examining the retention of functional kleptoplasts and digestive activity in sacoglossan sea slugs. Organisms Diversity and Evolution, 2017, 17, 87-99.	1.6	15
51	Secondary metabolome and its defensive role in the aeolidioidean <i>Phyllodesmium longicirrum</i> , (Gastropoda, Heterobranchia, Nudibranchia). Beilstein Journal of Organic Chemistry, 2017, 13, 502-519.	2.2	15
52	First Study on Marine Heterobranchia (Gastropoda, Mollusca) in Bangka Archipelago, North Sulawesi, Indonesia. Diversity, 2020, 12, 52.	1.7	14
53	The End of the Cold Loneliness: 3D Comparison between <i>Doto antarctica</i> and a New Sympatric Species of <i>Doto</i> (Heterobranchia: Nudibranchia). PLoS ONE, 2016, 11, e0157941.	2.5	13
54	Chloroplast digestion and the development of functional kleptoplasty in juvenile <i>Elysia timida</i> (Risso). Tj ETQq0 0 0 rgBT /Overlock 10 Tf e0182910.	2.5	13

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55	Interspecific differences in the efficiency and photosynthetic characteristics of the symbiosis of "solarpowered" Nudibranchia (Mollusca: Gastropoda) with zooxanthellae. Records of the Western Australian Museum, Supplement, 2006, 69, 1.	0.5	13
56	THE DISTRIBUTION OF SOME ANTARCTIC NUDIBRANCHS (OPISTHOBRANCHIA). Journal of Molluscan Studies, 1987, 53, 179-188.	1.2	12
57	Revision of the Antarctic genus Notaeolidia (Gastropoda, Nudibranchia), with a description of a new species. Zoologica Scripta, 1990, 19, 309-330.	1.7	12
58	Histological investigations on <i>Dendrodoris nigra</i> (Stimpson, 1855) (Gastropoda, Nudibranchia). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62</i>	0.7	12
59	MORPHOLOGY, ANATOMY AND HISTOLOGY OF <i>FLABELLINA AFFINIS</i> (GMELIN, 1791) (NUDIBRANCHIA). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62</i> of Molluscan Studies, 1998, 64, 195-214.	1.2	11
60	A new Antarctic heterobranch clade is sister to all other Cephalaspidea (Mollusca: Gastropoda). Zoologica Scripta, 2017, 46, 127-137.	1.7	11
61	First Survey of Heterobranch Sea Slugs (Mollusca, Gastropoda) from the Island Sangihe, North Sulawesi, Indonesia. Diversity, 2019, 11, 170.	1.7	11
62	Antibacterial scalarane from <i>Doriprismatica stellata</i> nudibranchs (Gastropoda, Nudibranchia), egg ribbons, and their dietary sponge <i>Spongia</i> cf. <i>agaricina</i> (Demospongiae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62</i>	1.5	11
63	Die Gattung <i>Bathydoris</i> Bergh, 1884 (Gnathodoridacea) im phylogenetischen System der Nudibranchia (Opisthobranchia, Gastropoda). Journal of Zoological Systematics and Evolutionary Research, 2009, 27, 273-281.	1.4	10
64	Bipolarity in sea slugs: a new species of <i>Doridunculus</i> (Mollusca: Nudibranchia: Onchidoridoidea) from Antarctica. Organisms Diversity and Evolution, 2017, 17, 101-109.	1.6	10
65	How does temperature affect functional kleptoplasty? Comparing populations of the solar-powered sister-species <i>Elysia timida</i> Risso, 1818 and <i>Elysia cornigera</i> Nuttall, 1989 (Gastropoda: Sacoglossa). Frontiers in Zoology, 2018, 15, 17.	2.0	10
66	Solar Powered Seaslugs (Opisthobranchia, Gastropoda, Mollusca): Incorporation of Photosynthetic Units: A Key Character Enhancing Radiation?. , 2010, , 263-282.		10
67	The morphology and anatomy of the Antarctic gastropod <i>Bathyberthella antarctica</i> (Opisthobranchia). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62</i>	1.7	10
68	Histological study of <i>Goniodoris castanea</i> Alder and Hancock, 1845 (Nudibranchia, Doridoidea). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62</i>	1.2	9
69	Description of a new <i>Moridilla</i> species from North Sulawesi, Indonesia (Mollusca: Nudibranchia: Aeolidioidea) based on MicroCT, histological and molecular analyses. Zootaxa, 2019, 4652, 265-295.	0.5	9
70	<i>Tomthompsonia spiroconchalis</i> Wägele & Hain, 1991 (Opisthobranchia, Notaspidea): a junior synonym of <i>Adeorbis antarcticus</i> Thiele, 1912 (Prosobranchia: Truncatelloidea) with notes on diet and histology. Journal of Molluscan Studies, 1993, 59, 366-368.	1.2	8
71	The morphology and taxonomy of the Antarctic species of <i>Tritonia</i> Cuvier, 1797 (Nudibranchia). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62</i>	2.3	8
72	On a new <i>Ercolania</i> Trinchese, 1872 (Opisthobranchia, Sacoglossa, Limapontiidae) living within <i>Boergesenia</i> Feldmann, 1950 (Cladophorales), with notes on anatomy, histology and biology. Zootaxa, 2007, 1577, 3-16.	0.5	8

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73	Systematics and phylogenetic species delimitation within Polinices s.l. (Caenogastropoda: Naticidae) based on molecular data and shell morphology. <i>Organisms Diversity and Evolution</i> , 2012, 12, 349-375.	1.6	8
74	Studies on the morphology and anatomy of the Antarctic nudibranch genera <i>Pseudotrinitia</i> Thiele, 1912 and <i>Telarma</i> Odhner, 1934 with a discussion of the family Charcotiidae Odhner, 1926 (Nudibranchia: Opisthobranchia). <i>Zoological Journal of the Linnean Society</i> , 1991, 101, 359-389.	2.3	7
75	THE DISTRIBUTION OF SOME ENDEMIC ANTARCTIC NUDIBRANCHIA. <i>Journal of Molluscan Studies</i> , 1991, 57, 337-345.	1.2	7
76	REDESCRIPTION OF <i>CHARCOTIA GRANULOSA</i> VAYSSIÈRE, 1906 (NUDIBRANCHIA: ARMINOIDEA: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T	1.2	7
77	Comparing amylose production in two solar-powered sea slugs: the sister taxa <i>Elysia timida</i> and <i>E. cornigera</i> (Heterobranchia: Sacoglossa). <i>Journal of Molluscan Studies</i> , 2019, 85, 166-171.	1.2	7
78	Metabolome of the <i>Phyllidiella pustulosa</i> Species Complex (Nudibranchia, Heterobranchia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T and Undescribed Clade. <i>Journal of Natural Products</i> , 2020, 83, 2785-2796.	3.0	7
79	Species diversity of opisthobranch molluscs on Lizard Island, Great Barrier Reef, Australia. <i>Records of the Western Australian Museum, Supplement</i> , 2006, 69, 33.	0.5	7
80	Distribution and morphology of defensive acid-secreting glands in <i>Nudipleura</i> (Gastropoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 422-433.	1.2	6
81	<i>Umbraculum umbraculum</i> (Lightfoot, 1786) (Gastropoda, Opisthobranchia, Tyrodinoidea) and the synonymy of <i>U. mediterraneum</i> (Lamarck, 1812). <i>Records of the Western Australian Museum, Supplement</i> , 2006, 69, 69.	0.5	6
82	Redescription and anatomy of <i>Aegires (Anaegires) albus</i> Thiele, 1912 (Opisthobranchia, Doridacea) and synonymy with <i>A. protectus</i> Odhner, 1934. <i>Polar Biology</i> , 1987, 7, 267-272.	1.2	5
83	Transcriptomics provides a robust framework for the relationships of the major clades of cladobranch sea slugs (Mollusca, Gastropoda, Heterobranchia), but fails to resolve the position of the enigmatic genus <i>Embletonia</i> . <i>Bmc Ecology and Evolution</i> , 2021, 21, 226.	1.6	5
84	The complete mitochondrial genome of the "solar-powered" sea slug <i>Plakobranthus</i> cf. <i>ocellatus</i> (Heterobranchia: Panpulmonata: Sacoglossa). <i>Mitochondrial DNA Part B: Resources</i> , 2017, 2, 130-131.	0.4	4
85	Phylogenomic analysis and morphological data suggest left-right swimming behavior evolved prior to the origin of the pelagic Phylliroidea (Gastropoda: Nudibranchia). <i>Organisms Diversity and Evolution</i> , 2020, 20, 657-667.	1.6	4
86	Kiemen und H $\frac{1}{2}$ molymphkreislauf von <i>Phyllidia pulitzeri</i> (Gastropoda, Opisthobranchia, Doridacea). <i>Zoomorphology</i> , 1984, 104, 246-251.	0.8	3
87	ANATOMY OF <i>PSEUDOTRITONIA</i> THIELE, 1912 AND <i>NOTAEOLIDIA</i> ELIOT, 1905 (GASTROPODA:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 467 T 1995, 61, 209-213.	1.2	3
88	From Persian Gulf to Indonesia: interrelated phylogeographic distance and chemistry within the genus <i>Peronia</i> (Onchidiidae, Gastropoda, Mollusca). <i>Scientific Reports</i> , 2020, 10, 13048.	3.3	3
89	Phyllidiidae (Nudibranchia, Heterobranchia, Gastropoda): an integrative taxonomic approach including chemical analyses. <i>Organisms Diversity and Evolution</i> , 0, , 1.	1.6	3
90	The <i>Cylindrobulla</i> / <i>Ascobulla</i> complex " unraveling problems in identification and adding to <i>Cylindrobulla</i> diversity (Gastropoda, Heterobranchia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 T	1.2	3