

Hans Tore Rapp

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,883
citations

172457

29
h-index

197818

49
g-index

82
all docs

82
docs citations

82
times ranked

2443
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolved organic carbon (<sc>DOC</sc>) is essential to balance the metabolic demands of four dominant <sc>Northâ€Atlantic</sc> deepâ€sea sponges. <i>Limnology and Oceanography</i> , 2021, 66, 925-938.	3.1	21
2	Macro and Microstructural Characteristics of North Atlantic Deep-Sea Sponges as Bioinspired Models for Tissue Engineering Scaffolding. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	11
3	Seasonal Variability in Near-bed Environmental Conditions in the <i>Vazella pourtalesii</i> Glass Sponge Grounds of the Scotian Shelf. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	7
4	Longâ€term Observations Reveal Environmental Conditions and Food Supply Mechanisms at an Arctic Deepâ€Sea Sponge Ground. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016776.	2.6	10
5	The Hexactinellid Deep-Water Sponge <i>Vazella pourtalesii</i> (Schmidt, 1870) (Rossellidae) Copes With Temporarily Elevated Concentrations of Suspended Natural Sediment. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	10
6	A Microbial Nitrogen Engine Modulated by Bacteriosyncytia in Hexactinellid Sponges: Ecological Implications for Deep-Sea Communities. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
7	A Deep-Sea Sponge Loop? Sponges Transfer Dissolved and Particulate Organic Carbon and Nitrogen to Associated Fauna. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	37
8	In situ observation of sponge trails suggests common sponge locomotion in the deep central Arctic. <i>Current Biology</i> , 2021, 31, R368-R370.	3.9	9
9	Bioactivity of Biosilica Obtained From North Atlantic Deep-Sea Sponges. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	2
10	Myogenesis of <i>Siboglinum fiordicum</i> sheds light on body regionalisation in beard worms (Siboglinidae, Annelida). <i>Frontiers in Zoology</i> , 2021, 18, 44.	2.0	4
11	Benthic Communities on the Mohnâ€™s Treasure Mound: Implications for Management of Seabed Mining in the Arctic Mid-Ocean Ridge. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
12	Differential processing of dissolved and particulate organic matter by deep-sea sponges and their microbial symbionts. <i>Scientific Reports</i> , 2020, 10, 17515.	3.3	33
13	The Molecular Machinery of Gametogenesis in <i>Geodia</i> Demosponges (Porifera): Evolutionary Origins of a Conserved Toolkit across Animals. <i>Molecular Biology and Evolution</i> , 2020, 37, 3485-3506.	8.9	19
14	Reproductive Biology of <i>Geodia</i> Species (Porifera, Tetractinellida) From Boreo-Arctic North-Atlantic Deep-Sea Sponge Grounds. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	12
15	Deep-sea sponge grounds as nutrient sinks: denitrification is common in boreo-Arctic sponges. <i>Biogeosciences</i> , 2020, 17, 1231-1245.	3.3	21
16	A New Species of <i>Osedax</i> (Siboglinidae: Annelida) From Colonization Experiments in the Arctic Deep Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	5
17	On giant shoulders: how a seamount affects the microbial community composition of seawater and sponges. <i>Biogeosciences</i> , 2020, 17, 3471-3486.	3.3	20
18	Rock sponges (lithistid Demospongiae) of the Northeast Atlantic seamounts, with description of ten new species. <i>PeerJ</i> , 2020, 8, e8703.	2.0	8

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19	sFDvent: A global trait database for deep-sea hydrothermal vent fauna. <i>Global Ecology and Biogeography</i> , 2019, 28, 1538-1551.	5.8	42
20	Deep-Sea Carnivorous Sponges From the Mariana Islands. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	7
21	Description of new chiactine-bearing sponges provides insights into the higher classification of Calcaronea (Porifera: Calcarea). <i>Zootaxa</i> , 2019, 4615, zootaxa.4615.2.1.	0.5	6
22	Temporal changes in benthic macrofauna on the west coast of Norway resulting from human activities. <i>Marine Pollution Bulletin</i> , 2018, 128, 483-495.	5.0	29
23	Polymastiidae (Porifera: Demospongiae) of the Nordic and Siberian Seas. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 1273-1335.	0.8	17
24	Predicted distribution of the glass sponge <i>Vazella pourtalesi</i> on the Scotian Shelf and its persistence in the face of climatic variability. <i>PLoS ONE</i> , 2018, 13, e0205505.	2.5	36
25	Increased taxon sampling provides new insights into the phylogeny and evolution of the subclass Calcaronea (Porifera, Calcarea). <i>Organisms Diversity and Evolution</i> , 2018, 18, 279-290.	1.6	17
26	Carnivorous sponges (Porifera, Cladorhizidae) from the Southwest Indian Ocean Ridge seamounts. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 137, 166-189.	1.4	12
27	Polymastiidae (Demospongiae: Hadromerida) with ornamented exotyles: a review of morphological affinities and description of a new genus and three new species. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2017, 97, 1351-1406.	0.8	8
28	Sponge Grounds as Key Marine Habitats: A Synthetic Review of Types, Structure, Functional Roles, and Conservation Concerns. , 2017, , 145-183.		72
29	New species of Ampharetidae (Annelida: Polychaeta) from the Arctic Loki Castle vent field. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 137, 232-245.	1.4	19
30	The Relative Abundance and Transcriptional Activity of Marine Sponge-Associated Microorganisms Emphasizing Groups Involved in Sulfur Cycle. <i>Microbial Ecology</i> , 2017, 73, 668-676.	2.8	41
31	Molecular phylogenies challenge the classification of Polymastiidae (Porifera, Demospongiae) based on morphology. <i>Organisms Diversity and Evolution</i> , 2017, 17, 45-66.	1.6	13
32	A review of carnivorous sponges (Porifera: Cladorhizidae) from the Boreal North Atlantic and Arctic. <i>Zoological Journal of the Linnean Society</i> , 2017, 181, 1-69.	2.3	35
33	Metabolic Profiling as a Screening Tool for Cytotoxic Compounds: Identification of 3-Alkyl Pyridine Alkaloids from Sponges Collected at a Shallow Water Hydrothermal Vent Site North of Iceland. <i>Marine Drugs</i> , 2017, 15, 52.	4.6	13
34	3,7-Isoquinoline quinones from the ascidian tunicate <i>Ascidia virginea</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2017, 72, 259-264.	1.4	3
35	Taxonomy of <i>Cladorhiza</i> in the deep SW Atlantic: <i>C. nicoleae</i> sp. nov. and redescription of <i>C. inversa</i> (Cladorhizidae, Poecilosclerida, Demospongiae). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 297-303.	0.8	3
36	The cladorhizid fauna (Porifera, Poecilosclerida) of the Caribbean and adjacent waters. <i>Zootaxa</i> , 2016, 4175, 521-538.	0.5	8

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37	The systematics of carnivorous sponges. <i>Molecular Phylogenetics and Evolution</i> , 2016, 94, 327-345.	2.7	40
38	Demosponges from the Northern Mid-Atlantic Ridge shed more light on the diversity and biogeography of North Atlantic deep-sea sponges. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 1475-1516.	0.8	40
39	Systematics and biodiversity of deep-sea sponges of the Atlanto-Mediterranean region. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 1285-1286.	0.8	7
40	A monograph of the calcareous sponges (Porifera, Calcarea) of Greenland. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 1395-1459.	0.8	14
41	The influence of vent systems on pelagic eukaryotic micro-organism composition in the Nordic Seas. <i>Polar Biology</i> , 2015, 38, 547-558.	1.2	7
42	Novel Barite Chimneys at the Loki's Castle Vent Field Shed Light on Key Factors Shaping Microbial Communities and Functions in Hydrothermal Systems. <i>Frontiers in Microbiology</i> , 2015, 6, 1510.	3.5	36
43	Sponge Grounds as Key Marine Habitats: A Synthetic Review of Types, Structure, Functional Roles, and Conservation Concerns. , 2015, , 1-39.		52
44	Developmental gene expression provides clues to relationships between sponge and eumetazoan body plans. <i>Nature Communications</i> , 2014, 5, 3905.	12.8	110
45	A molecular gut content study of <i>Trematodes</i> (Amphipoda) from a hydrothermal vent and cold seep systems. <i>Molecular Ecology</i> , 2014, 23, 3877-3889.	3.9	15
46	Taxonomy, biogeography and DNA barcodes of <i>Geodia</i> species (Porifera, Demospongiae). <i>Journal of Natural History</i> , 2014, 47, 169, 251-311.	2.3	70
47	Disrupted spiculogenesis in deep-water Geodiidae (Porifera, Demospongiae) growing in shallow waters. <i>Invertebrate Biology</i> , 2013, 132, 173-194.	0.9	33
48	A Molecular Phylogeny for the Order Clathrinida Rekindles and Refines Haeckel's Taxonomic Proposal for Calcareous Sponges. <i>Integrative and Comparative Biology</i> , 2013, 53, 447-461.	2.0	33
49	A new species of <i>Exitomelita</i> (Amphipoda: Melitidae) from a deep-water wood fall in the northern Norwegian Sea. <i>Journal of Natural History</i> , 2013, 47, 1875-1889.	0.5	9
50	Two new species of calcareous sponges (Porifera) from deep-sea hydrothermal vent waters. <i>Zootaxa</i> , 2013, 3692, 149.	0.5	13
51	Taxonomic revision of <i>Leucascus</i> Dendy, 1892 (Porifera: Calcarea) with revalidation of <i>Ascoleucetta</i> Dendy & Frederick, 1924 and description of three new species. <i>Zootaxa</i> , 2013, 3619, 275-314.	0.5	15
52	Relationships between Host Phylogeny, Host Type and Bacterial Community Diversity in Cold-Water Coral Reef Sponges. <i>PLoS ONE</i> , 2013, 8, e55505.	2.5	64
53	PCR-DHPLC assay for the identification of predator-prey interactions. <i>Journal of Plankton Research</i> , 2012, 34, 277-285.	1.8	7
54	Genome-wide analysis of the sox family in the calcareous sponge <i>Sycon ciliatum</i> : multiple genes with unique expression patterns. <i>EvoDevo</i> , 2012, 3, 14.	3.2	59

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55	A review of Norwegian streptaster-bearing Astrophorida (Porifera: Demospongiae: Tetractinellida), new records and a new species. <i>Zootaxa</i> , 2012, 3253, 1.	0.5	31
56	<i>Exitomelita sigynae</i> gen. et sp. nov.: a new amphipod from the Arctic Loki Castle vent field with potential gill ectosymbionts. <i>Polar Biology</i> , 2012, 35, 705-716.	1.2	20
57	Ammonia-oxidizing archaea as main drivers of nitrification in cold-water sponges. <i>Environmental Microbiology</i> , 2012, 14, 909-923.	3.8	135
58	Metatranscriptomics of the marine sponge <i>Geodia barretti</i> : tackling phylogeny and function of its microbial community. <i>Environmental Microbiology</i> , 2012, 14, 1308-1324.	3.8	124
59	<i>Nicomache (Loxochona) lokii</i> sp. nov. (Annelida: Polychaeta: Maldanidae) from the Loki's Castle vent field: an important structure builder in an Arctic vent system. <i>Polar Biology</i> , 2012, 35, 161-170.	1.2	28
60	Calcareous sponges from abyssal and bathyal depths in the Weddell Sea, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 58-67.	1.4	22
61	Redescription of <i>Jenkinsia articulata</i> Br�ndsted from the deep Eckstr�m Shelf, E-Weddell Sea, Antarctica and a comment on the possible mass occurrence of this species. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 2022-2026.	1.4	7
62	Phylogenetic signal in the evolution of body colour and spicule skeleton in calcareous sponges. <i>Zoological Journal of the Linnean Society</i> , 2011, 163, 1026-1034.	2.3	21
63	<i>Xandarovula patula</i> (Gastropoda: Ovulidae) new to Scandinavia. <i>Marine Biodiversity Records</i> , 2011, 4, .	1.2	3
64	Molecular Phylogeny of the Astrophorida (Porifera, Demospongiae) Reveals an Unexpected High Level of Spicule Homoplasy. <i>PLoS ONE</i> , 2011, 6, e18318.	2.5	74
65	Molecular taxonomy and phylogeny of the Geodiidae (Porifera, Demospongiae, Astrophorida) – combining phylogenetic and Linnaean classification. <i>Zoologica Scripta</i> , 2010, 39, 89-106.	1.7	66
66	A case of co-occurrence between <i>Sclerolinum pogonophoran</i> (Siboglinidae: Annelida) and <i>Xylophaga (Bivalvia)</i> from a north-east Atlantic wood-fall. <i>Marine Biodiversity Records</i> , 2010, 3, .	1.2	7
67	The fauna of hydrothermal vents on the Mohn Ridge (North Atlantic). <i>Marine Biology Research</i> , 2010, 6, 155-171.	0.7	88
68	Discovery of a black smoker vent field and vent fauna at the Arctic Mid-Ocean Ridge. <i>Nature Communications</i> , 2010, 1, 126.	12.8	156
69	Morphological description and DNA barcodes of shallow-water Tetractinellida (Porifera: Tetractinellida). <i>Marine Biodiversity Records</i> , 2010, 3, 1-39.	0.5	40
70	Inter- and intra-habitat bacterial diversity associated with cold-water corals. <i>ISME Journal</i> , 2009, 3, 756-759.	9.8	57
71	Revalidation of <i>Leucetta floridana</i> (Haeckel, 1872) (Porifera, Calcarea): a widespread species in the tropical western Atlantic. <i>Zoological Journal of the Linnean Society</i> , 2009, 157, 1-16.	2.3	21
72	Complex nitrogen cycling in the sponge <i>Geodia barretti</i> . <i>Environmental Microbiology</i> , 2009, 11, 2228-2243.	3.8	286

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73	The chiton <i>Hanleya nagelfar</i> (Polyplacophora, Mollusca) and its association with sponges in the European Northern Atlantic. <i>Marine Biology Research</i> , 2009, 5, 408-411.	0.7	13
74	Redescription and resurrection of <i>Pachymatisma normani</i> (Demospongiae: Geodiidae), with remarks on the genus <i>Pachymatisma</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 1511-1525.	0.8	17
75	Calcareous sponges of the genera <i>Clathrina</i> and <i>Guancha</i> (Calcinea, Calcarea, Porifera) of Norway (north-east Atlantic) with the description of five new species. <i>Zoological Journal of the Linnean Society</i> , 2006, 147, 331-365.	2.3	35
76	Monitoring Microbial Community Composition by Fluorescence In Situ Hybridization During Cultivation of the Marine Cold-Water Sponge <i>Geodia barretti</i> . <i>Marine Biotechnology</i> , 2006, 8, 373-379.	2.4	34
77	Oxygen dynamics in choanosomal sponge explants. <i>Marine Biology Research</i> , 2005, 1, 160-163.	0.7	42
78	An Anaerobic World in Sponges. <i>Geomicrobiology Journal</i> , 2005, 22, 1-10.	2.0	198
79	Sedimentary inclusions in the deep-water sponge <i>Geodia barretti</i> (Geodiidae, Demospongiae) from the Korsfjord, western Norway. <i>Sarsia</i> , 2004, 89, 245-252.	0.5	16
80	Growth and regeneration in cultivated fragments of the boreal deep water sponge <i>Geodia barretti</i> Bowerbank, 1858 (Geodiidae, Tetractinellida, Demospongiae). <i>Journal of Biotechnology</i> , 2003, 100, 109-118.	3.8	56
81	Two new species of <i>Clathrina</i> (Porifera, Calcarea) from the Norwegian coast. <i>Sarsia</i> , 2001, 86, 69-74.	0.5	16