Hans Tore Rapp

List of Publications by Year
in descending order

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	Complex nitrogen cycling in the sponge Geodia barretti. Environmental Microbiology, 2009, 11, 2228-2243.	3.8	286
2	An Anaerobic World in Sponges. Geomicrobiology Journal, 2005, 22, 1-10.	2.0	198
3	Discovery of a black smoker vent field and vent fauna at the Arctic Mid-Ocean Ridge. Nature Communications, 2010, 1, 126.	12.8	156
4	Ammoniaâ€oxidizing archaea as main drivers of nitrification in coldâ€water sponges. Environmental Microbiology, 2012, 14, 909-923.	3.8	135
5	Metatranscriptomics of the marine sponge Geodia barretti: tackling phylogeny and function of its microbial community. Environmental Microbiology, 2012, 14, 1308-1324.	3.8	124
6	Developmental gene expression provides clues to relationships between sponge and eumetazoan body plans. Nature Communications, 2014, 5, 3905.	12.8	110
7	The fauna of hydrothermal vents on the Mohn Ridge (North Atlantic). Marine Biology Research, 2010, 6, 155-171.	0.7	88
8	Molecular Phylogeny of the Astrophorida (Porifera, Demospongiaep) Reveals an Unexpected High Level of Spicule Homoplasy. PLoS ONE, 2011, 6, e18318.	2.5	74
9	Sponge Grounds as Key Marine Habitats: A Synthetic Review of Types, Structure, Functional Roles, and Conservation Concerns. , 2017, , 145-183.		72
10	Taxonomy, biogeography and DNA barcodes ofGeodiaspecies (Porifera, Demospongiae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 169, 251-311.	2.3	70
11	Molecular taxonomy and phylogeny of the Geodiidae (Porifera, Demospongiae, Astrophorida) â€“ combining phylogenetic and Linnaean classification. Zoologica Scripta, 2010, 39, 89-106.	1.7	66
12	Relationships between Host Phylogeny, Host Type and Bacterial Community Diversity in Cold-Water Coral Reef Sponges. PLoS ONE, 2013, 8, e55505.	2.5	64
13	Genome-wide analysis of the sox family in the calcareous sponge Sycon ciliatum: multiple genes with unique expression patterns. EvoDevo, 2012, 3, 14.	3.2	59
14	Inter- and intra-habitat bacterial diversity associated with cold-water corals. ISME Journal, 2009, 3, 756-759.	9.8	57
15	Growth and regeneration in cultivated fragments of the boreal deep water sponge Geodia barretti Bowerbank, 1858 (Geodiidae, Tetractinellida, Demospongiae). Journal of Biotechnology, 2003, 100, 109-118.	3.8	56
16	Sponge Grounds as Key Marine Habitats: A Synthetic Review of Types, Structure, Functional Roles, and Conservation Concerns. , 2015, , 1-39.		52
17	Oxygen dynamics in choanosomal sponge explants. Marine Biology Research, 2005, 1, 160-163.	0.7	42
18	sFDvent: A global trait database for deepâ€sea hydrothermalâ€vent fauna. Global Ecology and Biogeography, 2019, 28, 1538-1551.	5.8	42

#	Article	IF	Citations
19	The Relative Abundance and Transcriptional Activity of Marine Sponge-Associated Microorganisms Emphasizing Groups Involved in Sulfur Cycle. Microbial Ecology, 2017, 73, 668-676.	2.8	41
20	Morphological description and DNA barcodes of shallow-water Tetractinellida (Porifera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (D 1-39.	0.5	40
21	Demosponges from the Northern Mid-Atlantic Ridge shed more light on the diversity and biogeography of North Atlantic deep-sea sponges. Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 1475-1516.	0.8	40
22	The systematics of carnivorous sponges. Molecular Phylogenetics and Evolution, 2016, 94, 327-345.	2.7	40
23	A Deep-Sea Sponge Loop? Sponges Transfer Dissolved and Particulate Organic Carbon and Nitrogen to Associated Fauna. Frontiers in Marine Science, 2021, 8, .	2.5	37
24	Novel Barite Chimneys at the Loki's Castle Vent Field Shed Light on Key Factors Shaping Microbial Communities and Functions in Hydrothermal Systems. Frontiers in Microbiology, 2015, 6, 1510.	3.5	36
25	Predicted distribution of the glass sponge Vazella pourtalesi on the Scotian Shelf and its persistence in the face of climatic variability. PLoS ONE, 2018, 13, e0205505.	2.5	36
26	Calcareous sponges of the genera Clathrina and Guancha (Calcinea, Calcarea, Porifera) of Norway (north-east Atlantic) with the description of five new species. Zoological Journal of the Linnean Society, 2006, 147, 331-365.	2.3	35
27	A review of carnivorous sponges (Porifera: Cladorhizidae) from the Boreal North Atlantic and Arctic. Zoological Journal of the Linnean Society, 2017, 181, 1-69.	2.3	35
28	Monitoring Microbial Community Composition by Fluorescence In Situ Hybridization During Cultivation of the Marine Cold-Water Sponge Geodia barretti. Marine Biotechnology, 2006, 8, 373-379.	2.4	34
29	Disrupted spiculogenesis in deepâ€water Geodiidae (Porifera, Demospongiae) growing in shallow waters. Invertebrate Biology, 2013, 132, 173-194.	0.9	33
30	A Molecular Phylogeny for the Order Clathrinida Rekindles and Refines Haeckel's Taxonomic Proposal for Calcareous Sponges. Integrative and Comparative Biology, 2013, 53, 447-461.	2.0	33
31	Differential processing of dissolved and particulate organic matter by deep-sea sponges and their microbial symbionts. Scientific Reports, 2020, 10, 17515.	3.3	33
32	A review of Norwegian streptaster-bearing Astrophorida (Porifera: Demospongiae: Tetractinellida), new records and a new species. Zootaxa, 2012, 3253, 1.	0.5	31
33	Temporal changes in benthic macrofauna on the west coast of Norway resulting from human activities. Marine Pollution Bulletin, 2018, 128, 483-495.	5.0	29
34	Nicomache (Loxochona) lokii sp. nov. (Annelida: Polychaeta: Maldanidae) from the Lokiâ€™s Castle vent field: an important structure builder in an Arctic vent system. Polar Biology, 2012, 35, 161-170.	1.2	28
35	Calcareous sponges from abyssal and bathyal depths in the Weddell Sea, Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 58-67.	1.4	22
36	Revalidation ofLeucetta floridana(Haeckel, 1872) (Porifera, Calcarea): a widespread species in the tropical western Atlantic. Zoological Journal of the Linnean Society, 2009, 157, 1-16.	2.3	21

#	Article	IF	Citations
37	Phylogenetic signal in the evolution of body colour and spicule skeleton in calcareous sponges. Zoological Journal of the Linnean Society, 2011, 163, 1026-1034.	2.3	21
38	Deep-sea sponge grounds as nutrient sinks: denitrification is common in boreo-Arctic sponges. Biogeosciences, 2020, 17, 1231-1245.	3.3	21
39	Dissolved organic carbon (<scp>DOC</scp>) is essential to balance the metabolic demands of four dominant <scp>Northâ€Atlantic</scp> deepâ€sea sponges. Limnology and Oceanography, 2021, 66, 925-938.	3.1	21
40	Exitomelita sigynae gen. et sp. nov.: a new amphipod from the Arctic Loki Castle vent field with potential gill ectosymbionts. Polar Biology, 2012, 35, 705-716.	1.2	20
41	On giant shoulders: how a seamount affects the microbial community composition of seawater and sponges. Biogeosciences, 2020, 17, 3471-3486.	3.3	20
42	New species of Ampharetidae (Annelida: Polychaeta) from the Arctic Loki Castle vent field. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 137, 232-245.	1.4	19
43	The Molecular Machinery of Gametogenesis inGeodiaDemosponges (Porifera): Evolutionary Origins of a Conserved Toolkit across Animals. Molecular Biology and Evolution, 2020, 37, 3485-3506.	8.9	19
44	Redescription and resurrection of Pachymatisma normani (Demospongiae: Geodiidae), with remarks on the genus Pachymatisma. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1511-1525.	0.8	17
45	Polymastiidae (Porifera: Demospongiae) of the Nordic and Siberian Seas. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 1273-1335.	0.8	17
46	Increased taxon sampling provides new insights into the phylogeny and evolution of the subclass Calcaronea (Porifera, Calcarea). Organisms Diversity and Evolution, 2018, 18, 279-290.	1.6	17
47	Two new species ofClathrina(Porifera, Calcarea) from the Norwegian coast. Sarsia, 2001, 86, 69-74.	0.5	16
48	Sedimentary inclusions in the deepâ€water sponge Geodia barretti (Geodiidae, Demospongiae) from the Korsfjord, western Norway. Sarsia, 2004, 89, 245-252.	0.5	16
49	Taxonomic revision of Leucascus Dendy, 1892 (Porifera: Calcarea) with revalidation of Ascoleucetta Dendy & Frederick, 1924 and description of three new species. Zootaxa, 2013, 3619, 275-314.	0.5	15
50	A molecular gut content study of <scp>T</scp>hemisto abyssorum (<scp>A</scp>mphipoda) from <scp>A</scp>rctic hydrothermal vent and cold seep systems. Molecular Ecology, 2014, 23, 3877-3889.	3.9	15
51	A Microbial Nitrogen Engine Modulated by Bacteriosyncytia in Hexactinellid Sponges: Ecological Implications for Deep-Sea Communities. Frontiers in Marine Science, 2021, 8, .	2.5	15
52	A monograph of the calcareous sponges (Porifera, Calcarea) of Greenland. Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 1395-1459.	0.8	14
53	The chitonHanleya nagelfar(Polyplacophora, Mollusca) and its association with sponges in the European Northern Atlantic. Marine Biology Research, 2009, 5, 408-411.	0.7	13
54	<p class="HeadingRunIn">Two new species of calcareous sponges (Porifera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 waters</p>. Zootaxa, 2013, 3692, 149.	0.5	13

#	Article	IF	Citations
55	Molecular phylogenies challenge the classification of Polymastiidae (Porifera, Demospongiae) based on morphology. Organisms Diversity and Evolution, 2017, 17, 45-66.	1.6	13
56	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. Marine Drugs, 2017, 15, 52.	4.6	13
57	Benthic Communities on the Mohnâ€™s Treasure Mound: Implications for Management of Seabed Mining in the Arctic Mid-Ocean Ridge. Frontiers in Marine Science, 2020, 7, .	2.5	13
58	Carnivorous sponges (Porifera, Cladorhizidae) from the Southwest Indian Ocean Ridge seamounts. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 137, 166-189.	1.4	12
59	Reproductive Biology of Geodia Species (Porifera, Tetractinellida) From Boreo-Arctic North-Atlantic Deep-Sea Sponge Grounds. Frontiers in Marine Science, 2020, 7, .	2.5	12
60	Macro and Microstructural Characteristics of North Atlantic Deep-Sea Sponges as Bioinspired Models for Tissue Engineering Scaffolding. Frontiers in Marine Science, 2021, 7, .	2.5	11
61	Longâ€term Observations Reveal Environmental Conditions and Food Supply Mechanisms at an Arctic Deepâ€Sea Sponge Ground. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016776.	2.6	10
62	The Hexactinellid Deep-Water Sponge Vazella pourtalesii (Schmidt, 1870) (Rossellidae) Copes With Temporarily Elevated Concentrations of Suspended Natural Sediment. Frontiers in Marine Science, 2021, 8, .	2.5	10
63	A new species ofExitomelita(Amphipoda: Melitidae) from a deep-water wood fall in the northern Norwegian Sea. Journal of Natural History, 2013, 47, 1875-1889.	0.5	9
64	In situ observation of sponge trails suggests common sponge locomotion in the deep central Arctic. Current Biology, 2021, 31, R368-R370.	3.9	9
65	The cladorhizid fauna (Porifera, Poecilosclerida) of the Caribbean and adjacent waters. Zootaxa, 2016, 4175, 521-538.	0.5	8
66	Polymastiidae (Demospongiae: Hadromerida) with ornamented exotyles: a review of morphological affinities and description of a new genus and three new species. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 1351-1406.	0.8	8
67	Rock sponges (lithistid Demospongiae) of the Northeast Atlantic seamounts, with description of ten new species. PeerJ, 2020, 8, e8703.	2.0	8
68	A case of co-occurrence between Sclerolinum pogonophoran (Siboglinidae: Annelida) and Xylophaga (Bivalvia) from a north-east Atlantic wood-fall. Marine Biodiversity Records, 2010, 3, .	1.2	7
69	Redescription of Jenkina articulata BrÃ¸ndsted from the deep EckstrÃ¶m Shelf, E-Weddell Sea, Antarctica and a comment on the possible mass occurrence of this species. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 2022-2026.	1.4	7
70	PCR-DHPLC assay for the identification of predator-prey interactions. Journal of Plankton Research, 2012, 34, 277-285.	1.8	7
71	Systematics and biodiversity of deep-sea sponges of the Atlanto-Mediterranean region. Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 1285-1286.	0.8	7
72	The influence of vent systems on pelagic eukaryotic micro-organism composition in the Nordic Seas. Polar Biology, 2015, 38, 547-558.	1.2	7

#	Article	IF	Citations
73	Deep-Sea Carnivorous Sponges From the Mariana Islands. Frontiers in Marine Science, 2019, 6, .	2.5	7
74	Seasonal Variability in Near-bed Environmental Conditions in the Vazella pourtalesii Glass Sponge Grounds of the Scotian Shelf. Frontiers in Marine Science, 2021, 7, .	2.5	7
75	Description of new chiactine-bearing sponges provides insights into the higher classification of Calcaronea (Porifera: Calcarea). Zootaxa, 2019, 4615, zootaxa.4615.2.1.	0.5	6
76	A New Species of Osedax (Siboglinidae: Annelida) From Colonization Experiments in the Arctic Deep Sea. Frontiers in Marine Science, 2020, 7, .	2.5	5
77	Myogenesis of Siboglinum fiordicum sheds light on body regionalisation in beard worms (Siboglinidae, Annelida). Frontiers in Zoology, 2021, 18, 44.	2.0	4
78	Xandarovula patula (Gastropoda: Ovulidae) new to Scandinavia. Marine Biodiversity Records, 2011, 4, .	1.2	3
79	Taxonomy ofCladorhizain the deep SW Atlantic:C. nicoleaesp. nov. and redescription ofC. inversa(Cladorhizidae, Poecilosclerida, Demospongiae). Journal of the Marine Biological Association of the United Kingdom, 2016, 96, 297-303.	0.8	3
80	3,7-Isoquinoline quinones from the ascidian tunicate Ascidia virginea. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2017, 72, 259-264.	1.4	3
81	Bioactivity of Biosilica Obtained From North Atlantic Deep-Sea Sponges. Frontiers in Marine Science, 2021, 8, .	2.5	2