Hans RamlÃ¸v

List of Publications by Year
in descending order

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57 papers	2,106 citations	257101 24 h-index	233125 45 g-index
57 all docs	57 docs citations	57 times ranked	1663 citing authors

#	Article	IF	Citations
1	Ice Recrystallization Inhibition Is Insufficient to Explain Cryopreservation Abilities of Antifreeze Proteins. Biomacromolecules, 2022, 23, 1214-1220.	2.6	17
2	Respiration Measurements of Individual Tardigrades of the Species Richtersius cf coronifer as a Function of Temperature and Salinity and Termination of Anhydrobiosis. Astrobiology, 2021, 21, 853-865.	1.5	3
3	A method for studying the metabolic activity of individual tardigrades by measuring oxygen uptake using micro-respirometry. Journal of Experimental Biology, 2020, 223, .	0.8	2
4	Inhibition of Bacterial Ice Nucleators Is Not an Intrinsic Property of Antifreeze Proteins. Journal of Physical Chemistry B, 2020, 124, 4889-4895.	1.2	17
5	Physicochemical Properties of Antifreeze Proteins. , 2020, , 43-67.		0
6	Ice Formation in Living Organisms. , 2020, , 53-82.		1
7	Summary and Future Directions. , 2020, , 357-362.		0
8	Other Protective Measures of Antifreeze Proteins. , 2020, , 185-203.		0
9	Mutational Studies on Antifreeze Proteins. , 2020, , 327-354.		0
10	Inhibition of methane hydrate nucleation and growth by an antifreeze protein. Journal of Petroleum Science and Engineering, 2019, 183, 106388.	2.1	8
11	Molecular structure of a hyperactive antifreeze protein adsorbed to ice. Journal of Chemical Physics, 2019, 150, 131101.	1.2	34
12	Detecting seasonal variation of antifreeze protein distribution in Rhagium mordax using immunofluorescence and high resolution microscopy. Cryobiology, 2017, 74, 132-140.	0.3	4
13	An open source cryostage and software analysis method for detection of antifreeze activity. Cryobiology, 2016, 72, 251-257.	0.3	4
14	Data from thermal testing of the Open Source Cryostage. Data in Brief, 2016, 8, 885-890.	0.5	1
15	Anhydrobiosis and Freezing-Tolerance: Adaptations That Facilitate the Establishment of Panagrolaimus Nematodes in Polar Habitats. PLoS ONE, 2015, 10, e0116084.	1.1	28
16	Effects of sea-ice light attenuation and CDOM absorption in the water below the Eurasian sector of central Arctic Ocean (>88Â°N). Polar Research, 2015, 34, 23978.	1.6	23
17	Controlling the Freezing Process with Antifreeze Proteins. , 2014, , 539-562.		7
18	Antifreeze activity enhancement by site directed mutagenesis on an antifreeze protein from the beetle Rhagium mordax. FEBS Letters, 2014, 588, 1767-1772.	1.3	18

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19	Low thermodynamic but high kinetic stability of an antifreeze protein from Rhagium mordax. Protein Science, 2014, 23, 760-768.	3.1	12
20	Inhibition of Gas Hydrate Nucleation and Growth: Efficacy of an Antifreeze Protein from the Longhorn Beetle Rhagium mordax. Energy & Fuels, 2014, 28, 3666-3672.	2.5	90
21	Purification, crystal structure determination and functional characterization of type III antifreeze proteins from the European eelpout Zoarces viviparus. Cryobiology, 2014, 69, 163-168.	0.3	15
22	Inorganic ion composition in Tardigrada: cryptobionts contain large fraction of unidentified organic solutes. Journal of Experimental Biology, 2013, 216, 1235-43.	0.8	17
23	Role of cutaneous surface fluid in frog osmoregulation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 165, 365-370.	0.8	23
24	Hyperactive antifreeze proteins from longhorn beetles: Some structural insights. Journal of Insect Physiology, 2012, 58, 1502-1510.	0.9	37
25	Structural characteristics of a novel antifreeze protein from the longhorn beetle Rhagium inquisitor. Insect Biochemistry and Molecular Biology, 2011, 41, 109-117.	1.2	51
26	Survival in extreme environments â€“ on the current knowledge of adaptations in tardigrades. Acta Physiologica, 2011, 202, 409-420.	1.8	182
27	A tribute to Karl Erik Zachariassen. Journal of Insect Physiology, 2011, 57, 1061-1065.	0.9	1
28	Inhibition of Gas Hydrate Formation by Low-dosage, Environmentally Benign Inhibitors. , 2010, , 445-453.		1
29	Inhibition of Methane Hydrate Formation by Ice-Structuring Proteins. Industrial & Engineering Chemistry Research, 2010, 49, 1486-1492.	1.8	52
30	Cyclomorphosis in Tardigrada: adaptation to environmental constraints. Journal of Experimental Biology, 2009, 212, 2803-2811.	0.8	42
31	Ice-active proteins and cryoprotectants from the New Zealand alpine cockroach, Celatoblatta quinquemaculata. Journal of Insect Physiology, 2009, 55, 27-31.	0.9	32
32	Survival and metabolism of Rana arvalis during freezing. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 223-230.	0.7	20
33	Freeze tolerance evolution among anurans: Frequency and timing of appearance. Cryobiology, 2009, 58, 241-247.	0.3	29
34	Production and biochemical composition of eggs from neritic calanoid copepods reared in large outdoor tanks (Limfjord, Denmark). Aquaculture, 2007, 263, 84-96.	1.7	40
35	Respiration rates of subitaneous eggs from a marine calanoid copepod: monitored by nanorespirometry. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2007, 177, 287-296.	0.7	23
36	Effect of cold storage upon eggs of a calanoid copepod, Acartia tonsa (Dana) and their offspring. Aquaculture, 2006, 254, 714-729.	1.7	83

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37	Influence of storage conditions on viability of quiescent copepod eggs (Acartia tonsa Dana): effects of temperature, salinity and anoxia. Aquaculture Research, 2006, 37, 625-631.	0.9	38
38	Biochemical and technical observations supporting the use of copepods as live feed organisms in marine larviculture. Aquaculture Research, 2006, 37, 756-772.	0.9	131
39	Metabolic changes associated with active water vapour absorption in the mealworm Tenebrio molitor L. (Coleoptera, Tenebrionidae): A microcalorimetric study. Journal of Insect Physiology, 2006, 52, 291-299.	0.9	8
40	Antifreeze activity in the gastrointestinal fluids of Arctogadus glacialis (Peters 1874) is dependent on food type. Journal of Experimental Biology, 2005, 208, 2609-2613.	0.8	12
41	Ice-active proteins from the Antarctic nematode Panagrolaimus davidi. Cryobiology, 2005, 51, 198-207.	0.3	56
42	Antifreeze glycoproteins from the antarctic fish Dissostichus mawsoni studied by differential scanning calorimetry (DSC) in combination with nanolitre osmometry. Cryo-Letters, 2005, 26, 73-84.	0.1	13
43	Metabolic activity and water vapour absorption in the mealworm Tenebrio molitor L. (Coleoptera,) Tj ETQq1 1 0.784314 rgBT /Overlock Biology, 2004, 207, 545-552.	0.8	20
44	Trehalose in desiccated rotifers: a comparison between a bdelloid and a monogonont species. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2004, 139, 527-532.	0.8	70
45	Supercool or dehydrate? An experimental analysis of overwintering strategies in small permeable arctic invertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5716-5720.	3.3	165
46	Cryptobiosis in the Eutardigrade Adorybiotus (Richtersius) coronifer: Tolerance to Alcohols, Temperature and de novo Protein Synthesis. Zoologischer Anzeiger, 2001, 240, 517-523.	0.4	92
47	Bound Water and Cryptobiosis:Thermodynamic Properties of Water at Biopolymer Surfaces. Zoologischer Anzeiger, 2001, 240, 557-562.	0.4	2
48	Variations in antifreeze activity and serum inorganic ions in the eelpout Zoarces viviparus: antifreeze activity in the embryonic state. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 123-132.	0.8	10
49	Antifreeze activity in the cerambycid beetle Rhagium inquisitor. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1999, 169, 55-60.	0.7	31
50	Microclimate and variations in haemolymph composition in the freezing-tolerant New Zealand alpine weta Hemideina maori Hutton (Orthoptera: Stenopelmatidae). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1999, 169, 224-235.	0.7	43
51	Recrystallization in a Freezing Tolerant Antarctic Nematode,Panagrolaimus davidi,and an Alpine Weta,Hemideina maori(Orthoptera; Stenopelmatidae). Cryobiology, 1996, 33, 607-613.	0.3	47
52	Cold tolerance of an endoparasitic nematode within a freezing-tolerant orthopteran host. Parasitology, 1994, 109, 367-372.	0.7	21
53	Survival of the cryptobiotic eutardigrade Adorybiotus coronifer during cooling to â^'196 Â°C: Effect of cooling rate, trehalose level, and short-term acclimation. Cryobiology, 1992, 29, 125-130.	0.3	76
54	Artemia cysts at subzero temperatures studied by differential scanning calorimetry. Cryobiology, 1992, 29, 131-137.	0.3	13

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55	Freezing tolerance of the New Zealand alpine weta, Hemideina maori Hutton [Orthoptera; Stenopelmatidae]. Journal of Thermal Biology, 1992, 17, 51-54.	1.1	54
56	CRYPTOBIOSIS IN TARDIGRADA. Biological Reviews, 1992, 67, 1-29.	4.7	125
57	Trehalose accumulation in the tardigradeAdorybiotus coronifer during anhydrobiosis. The Journal of Experimental Zoology, 1991, 258, 303-311.	1.4	162