Craig J Marshall

List of Publications by Year
in descending order

48 papers	1,671 citations	304743 22 h-index	289244 40 g-index
48 all docs	48 docs citations	48 times ranked	1549 citing authors

#	Article	IF	Citations
1	A nematode in the mist: Scottnema lindsayae is the only soil metazoan in remote Antarctic deserts, at greater densities with altitude. Polar Research, 2019, 38, .	1.6	7
2	Molecular snapshot of an intracellular freezing event in an Antarctic nematode. Cryobiology, 2017, 75, 117-124.	0.7	12
3	Comparisons between two Antarctic nematodes: cultured Panagrolaimus sp. DAW1 and field-sourced Panagrolaimus davidi. Nematology, 2017, 19, 533-542.	0.6	2
4	Investigating trehalose synthesis genes after cold acclimation in the Antarctic nematodePanagrolaimussp. DAW1. Biology Open, 2017, 6, 1953-1959.	1.2	10
5	Establishing RNAi in a Non-Model Organism: The Antarctic Nematode Panagrolaimus sp. DAW1. PLoS ONE, 2016, 11, e0166228.	2.5	7
6	Ice-shell purification of ice-binding proteins. Cryobiology, 2016, 72, 258-263.	0.7	30
7	Non-Antarctic notothenioids: Past phylogenetic history and contemporary phylogeographic implications in the face of environmental changes. Marine Genomics, 2016, 25, 1-9.	1.1	13
8	Lifestyle and Ice: The Relationship between Ecological Specialization and Response to Pleistocene Climate Change. PLoS ONE, 2015, 10, e0138766.	2.5	6
9	Proteins in the Crystalline Styles of the Marine MusselsPerna canaliculusGmelin andMytilus galloprovincialisLamarck. Journal of Shellfish Research, 2014, 33, 673-685.	0.9	5
10	Polysaccharidases in the Crystalline Styles of Selectively Bred Greenshell Mussel (Perna) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	0.9	2
11	A 9kDa antifreeze protein from the Antarctic springtail, Gomphiocephalus hodgsoni. Cryobiology, 2014, 69, 181-183.	0.7	9
12	Nematodes from the Victoria Land coast, Antarctica and comparisons with culturedPanagrolaimus davidi. Antarctic Science, 2014, 26, 15-22.	0.9	12
13	Molecular Analysis of the Cold Tolerant Antarctic Nematode, Panagrolaimus davidi. PLoS ONE, 2014, 9, e104526.	2.5	28
14	Factors determining nematode distributions at Cape Hallett and Gondwana station, Antarctica. Antarctic Science, 2013, 25, 347-357.	0.9	16
15	Ultraviolet radiation tolerance of the Antarctic springtail,Gomphiocephalus hodgsoni. Antarctic Science, 2012, 24, 147-153.	0.9	3
16	Aspects of Protein Cold Adaptation in Antarctic Fish. , 2012, , 143-155.		2
17	Comparative phylogeography of three trematomid fishes reveals contrasting genetic structure patterns in benthic and pelagic species. Marine Genomics, 2012, 8, 23-34.	1.1	16
18	Isolation and characterization of an enzyme from the Greenshellâ„¢ mussel Perna canaliculus that hydrolyses pectenotoxins and esters ofÂokadaic acid. Toxicon, 2012, 60, 406-419.	1.6	22

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19	Antifreeze proteins in the Antarctic springtail, Gressittacantha terranova. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 713-719.	1.5	13
20	Multilocus analyses of an Antarctic fish species flock (Teleostei, Notothenioidei, Trematominae): Phylogenetic approach and test of the early-radiation event. Molecular Phylogenetics and Evolution, 2011, 60, 305-316.	2.7	34
21	Ice-active proteins and cryoprotectants from the New Zealand alpine cockroach, Celatoblatta quinquemaculata. Journal of Insect Physiology, 2009, 55, 27-31.	2.0	32
22	How do terrestrial Antarctic organisms survive in their harsh environment?. Journal of Biology, 2009, 8, 39.	2.7	5
23	Expression of the DNA Repair Enzyme, Photolyase, in Developmental Tissues and Larvae, and in Response to Ambient UVâ€R in the Antarctic Sea Urchin Sterechinus neumayeri. Photochemistry and Photobiology, 2009, 85, 1168-1176.	2.5	19
24	Cold tolerance of an Antarctic nematode that survives intracellular freezing: comparisons with other nematode species. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2008, 178, 93-100.	1.5	40
25	Characterization of a family of ice-active proteins from the Ryegrass, Lolium perenne. Cryobiology, 2008, 57, 263-268.	0.7	30
26	Did glacial advances during the Pleistocene influence differently the demographic histories of benthic and pelagic Antarctic shelf fishes? â€“ Inferences from intraspecific mitochondrial and nuclear DNA sequence diversity. BMC Evolutionary Biology, 2007, 7, 220.	3.2	62
27	DNA photorepair in echinoid embryos: effects of temperature on repair rate in Antarctic and non-Antarctic species. Journal of Experimental Biology, 2006, 209, 5017-5028.	1.7	60
28	Freezing and cryoprotective dehydration in an Antarctic nematode (Panagrolaimus davidi) visualised using a freeze substitution technique. Cryobiology, 2005, 50, 21-28.	0.7	39
29	Ice-active proteins from the Antarctic nematode Panagrolaimus davidi. Cryobiology, 2005, 51, 198-207.	0.7	56
30	A simple ice nucleation spectrometer. Cryo-Letters, 2004, 25, 335-40.	0.3	8
31	Freezing survival and cryoprotective dehydration as cold tolerance mechanisms in the Antarctic nematode Panagrolaimus davidi. Journal of Experimental Biology, 2003, 206, 215-221.	1.7	74
32	The Protein Folds as Platonic Forms: New Support for the Pre-Darwinian Conception of Evolution by Natural Law. Journal of Theoretical Biology, 2002, 219, 325-342.	1.7	51
33	Lactate dehydrogenase from the Antarctic eelpout, Lycodichthys dearborni. Polar Biology, 2001, 24, 258-269.	1.2	9
34	Laws of form revisited. Nature, 2001, 410, 417-417.	27.8	73
35	Phylogenetic Analysis of Three Lipocalin-Like Proteins Present in the Milk of Trichosurus vulpecula (Phalangeridae, Marsupialia). Journal of Molecular Evolution, 1998, 46, 361-369.	1.8	33
36	Lysozyme and Î±-lactalbumin from the milk of a marsupial, the common brush-tailed possum (Trichosurus vulpecula)1Genbank accession numbers: Î±-lactalbumin U34288; lysozyme, U40664.1. Biochimica Et Biophysica Acta - General Subjects, 1997, 1336, 235-242.	2.4	27

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37	Cold-adapted enzymes. Trends in Biotechnology, 1997, 15, 359-364.	9.3	145
38	The crystal structure of a major secreted aspartic proteinase from Candida albicans in complexes with two inhibitors. Structure, 1995, 3, 1261-1271.	3.3	115
39	Evolutionary analysis of aspartate aminotransferases. Journal of Molecular Evolution, 1995, 40, 455-463.	1.8	34
40	Phylogenetic relationships among transposon-like elements in human and primate DNA. Journal of Molecular Evolution, 1995, 40, 127-135.	1.8	6
41	Heparin Binding Site, Conformational Change, and Activation of Antithrombin. [Erratum to document cited in CA118:98803]. Biochemistry, 1995, 34, 3478-3478.	2.5	1
42	Modeling a conformationally sensitive region of the membrane sector of the fungal plasma membrane proton pump. Journal of Bioenergetics and Biomembranes, 1994, 26, 101-115.	2.3	23
43	A Cluster of Transposon-like Repetitive Sequences in Intron 7 of the Human Dystrophin Gene. Journal of Molecular Biology, 1993, 232, 314-321.	4.2	21
44	Crystallization of Inhibited Aspartic Proteinase from Candida albicans. Journal of Molecular Biology, 1993, 234, 1266-1269.	4.2	15
45	Heparin binding site, conformational change, and activation of antithrombin. Biochemistry, 1992, 31, 12629-12642.	2.5	61
46	Origin of vpx in lentiviruses. Nature, 1990, 347, 341-342.	27.8	121
47	The urease ELISA for H-Y antibody. Journal of Immunological Methods, 1990, 128, 293-295.	1.4	3
48	Maintenance of long-term potentiation in rat dentate gyrus requires protein synthesis but not messenger RNA synthesis immediately post-tetanization. Neuroscience, 1989, 28, 519-526.	2.3	259