

Craig J Marshall

List of Publications by Year in descending order

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48
papers

1,671
citations

304368

22
h-index

288905

40
g-index

48
all docs

48
docs citations

48
times ranked

1549
citing authors

#	ARTICLE	IF	CITATIONS
1	Maintenance of long-term potentiation in rat dentate gyrus requires protein synthesis but not messenger RNA synthesis immediately post-tetanization. <i>Neuroscience</i> , 1989, 28, 519-526.	1.1	259
2	Cold-adapted enzymes. <i>Trends in Biotechnology</i> , 1997, 15, 359-364.	4.9	145
3	Origin of vpx in lentiviruses. <i>Nature</i> , 1990, 347, 341-342.	13.7	121
4	The crystal structure of a major secreted aspartic proteinase from <i>Candida albicans</i> in complexes with two inhibitors. <i>Structure</i> , 1995, 3, 1261-1271.	1.6	115
5	Freezing survival and cryoprotective dehydration as cold tolerance mechanisms in the Antarctic nematode <i>Panagrolaimus davidi</i> . <i>Journal of Experimental Biology</i> , 2003, 206, 215-221.	0.8	74
6	Laws of form revisited. <i>Nature</i> , 2001, 410, 417-417.	13.7	73
7	Did glacial advances during the Pleistocene influence differently the demographic histories of benthic and pelagic Antarctic shelf fishes? "Inferences from intraspecific mitochondrial and nuclear DNA sequence diversity. <i>BMC Evolutionary Biology</i> , 2007, 7, 220.	3.2	62
8	Heparin binding site, conformational change, and activation of antithrombin. <i>Biochemistry</i> , 1992, 31, 12629-12642.	1.2	61
9	DNA photorepair in echinoid embryos: effects of temperature on repair rate in Antarctic and non-Antarctic species. <i>Journal of Experimental Biology</i> , 2006, 209, 5017-5028.	0.8	60
10	Ice-active proteins from the Antarctic nematode <i>Panagrolaimus davidi</i> . <i>Cryobiology</i> , 2005, 51, 198-207.	0.3	56
11	The Protein Folds as Platonic Forms: New Support for the Pre-Darwinian Conception of Evolution by Natural Law. <i>Journal of Theoretical Biology</i> , 2002, 219, 325-342.	0.8	51
12	Cold tolerance of an Antarctic nematode that survives intracellular freezing: comparisons with other nematode species. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 93-100.	0.7	40
13	Freezing and cryoprotective dehydration in an Antarctic nematode (<i>Panagrolaimus davidi</i>) visualised using a freeze substitution technique. <i>Cryobiology</i> , 2005, 50, 21-28.	0.3	39
14	Evolutionary analysis of aspartate aminotransferases. <i>Journal of Molecular Evolution</i> , 1995, 40, 455-463.	0.8	34
15	Multilocus analyses of an Antarctic fish species flock (Teleostei, Notothenioidae, Trematominae): Phylogenetic approach and test of the early-radiation event. <i>Molecular Phylogenetics and Evolution</i> , 2011, 60, 305-316.	1.2	34
16	Phylogenetic Analysis of Three Lipocalin-Like Proteins Present in the Milk of <i>Trichosurus vulpecula</i> (Phalangeridae, Marsupialia). <i>Journal of Molecular Evolution</i> , 1998, 46, 361-369.	0.8	33
17	Ice-active proteins and cryoprotectants from the New Zealand alpine cockroach, <i>Celatoblatta quinque-maculata</i> . <i>Journal of Insect Physiology</i> , 2009, 55, 27-31.	0.9	32
18	Characterization of a family of ice-active proteins from the Ryegrass, <i>Lolium perenne</i> . <i>Cryobiology</i> , 2008, 57, 263-268.	0.3	30

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19	Ice-shell purification of ice-binding proteins. <i>Cryobiology</i> , 2016, 72, 258-263.	0.3	30
20	Molecular Analysis of the Cold Tolerant Antarctic Nematode, <i>Panagrolaimus davidi</i> . <i>PLoS ONE</i> , 2014, 9, e104526.	1.1	28
21	Lysozyme and β -lactalbumin from the milk of a marsupial, the common brush-tailed possum (<i>Trichosurus vulpecula</i>) Genbank accession numbers: β -lactalbumin U34288; lysozyme, U40664.1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1336, 235-242.	1.1	27
22	Modeling a conformationally sensitive region of the membrane sector of the fungal plasma membrane proton pump. <i>Journal of Bioenergetics and Biomembranes</i> , 1994, 26, 101-115.	1.0	23
23	Isolation and characterization of an enzyme from the Greenshell [®] mussel <i>Perna canaliculus</i> that hydrolyses pectenotoxins and esters of Δ -okadaic acid. <i>Toxicon</i> , 2012, 60, 406-419.	0.8	22
24	A Cluster of Transposon-like Repetitive Sequences in Intron 7 of the Human Dystrophin Gene. <i>Journal of Molecular Biology</i> , 1993, 232, 314-321.	2.0	21
25	Expression of the DNA Repair Enzyme, Photolyase, in Developmental Tissues and Larvae, and in Response to Ambient UV α in the Antarctic Sea Urchin <i>Sterechinus neumayeri</i> . <i>Photochemistry and Photobiology</i> , 2009, 85, 1168-1176.	1.3	19
26	Comparative phylogeography of three trematomid fishes reveals contrasting genetic structure patterns in benthic and pelagic species. <i>Marine Genomics</i> , 2012, 8, 23-34.	0.4	16
27	Factors determining nematode distributions at Cape Hallett and Gondwana station, Antarctica. <i>Antarctic Science</i> , 2013, 25, 347-357.	0.5	16
28	Crystallization of Inhibited Aspartic Proteinase from <i>Candida albicans</i> . <i>Journal of Molecular Biology</i> , 1993, 234, 1266-1269.	2.0	15
29	Antifreeze proteins in the Antarctic springtail, <i>Gressittacantha terranova</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 713-719.	0.7	13
30	Non-Antarctic notothenioids: Past phylogenetic history and contemporary phylogeographic implications in the face of environmental changes. <i>Marine Genomics</i> , 2016, 25, 1-9.	0.4	13
31	Nematodes from the Victoria Land coast, Antarctica and comparisons with cultured <i>Panagrolaimus davidi</i> . <i>Antarctic Science</i> , 2014, 26, 15-22.	0.5	12
32	Molecular snapshot of an intracellular freezing event in an Antarctic nematode. <i>Cryobiology</i> , 2017, 75, 117-124.	0.3	12
33	Investigating trehalose synthesis genes after cold acclimation in the Antarctic nematode <i>Panagrolaimus</i> sp. DAW1. <i>Biology Open</i> , 2017, 6, 1953-1959.	0.6	10
34	Lactate dehydrogenase from the Antarctic eelpout, <i>Lycodichthys dearborni</i> . <i>Polar Biology</i> , 2001, 24, 258-269.	0.5	9
35	A 9kDa antifreeze protein from the Antarctic springtail, <i>Gomphiocephalus hodgsoni</i> . <i>Cryobiology</i> , 2014, 69, 181-183.	0.3	9
36	A simple ice nucleation spectrometer. <i>Cryo-Letters</i> , 2004, 25, 335-40.	0.1	8

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37	Establishing RNAi in a Non-Model Organism: The Antarctic Nematode <i>Panagrolaimus</i> sp. DAW1. <i>PLoS ONE</i> , 2016, 11, e0166228.	1.1	7
38	A nematode in the mist: <i>Scottinema lindsayae</i> is the only soil metazoan in remote Antarctic deserts, at greater densities with altitude. <i>Polar Research</i> , 2019, 38, .	1.6	7
39	Phylogenetic relationships among transposon-like elements in human and primate DNA. <i>Journal of Molecular Evolution</i> , 1995, 40, 127-135.	0.8	6
40	Lifestyle and Ice: The Relationship between Ecological Specialization and Response to Pleistocene Climate Change. <i>PLoS ONE</i> , 2015, 10, e0138766.	1.1	6
41	How do terrestrial Antarctic organisms survive in their harsh environment?. <i>Journal of Biology</i> , 2009, 8, 39.	2.7	5
42	Proteins in the Crystalline Styles of the Marine Mussels <i>Perna canaliculus</i> Gmelin and <i>Mytilus galloprovincialis</i> Lamarck. <i>Journal of Shellfish Research</i> , 2014, 33, 673-685.	0.3	5
43	The urease ELISA for H-Y antibody. <i>Journal of Immunological Methods</i> , 1990, 128, 293-295.	0.6	3
44	Ultraviolet radiation tolerance of the Antarctic springtail, <i>Gomphiocephalus hodgsoni</i> . <i>Antarctic Science</i> , 2012, 24, 147-153.	0.5	3
45	Aspects of Protein Cold Adaptation in Antarctic Fish. , 2012, , 143-155.		2
46	Polysaccharidases in the Crystalline Styles of Selectively Bred Greenshell Mussel (<i>Perna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	0.3	2
47	Comparisons between two Antarctic nematodes: cultured <i>Panagrolaimus</i> sp. DAW1 and field-sourced <i>Panagrolaimus davidi</i> . <i>Nematology</i> , 2017, 19, 533-542.	0.2	2
48	Heparin Binding Site, Conformational Change, and Activation of Antithrombin. [Erratum to document cited in CA118:98803]. <i>Biochemistry</i> , 1995, 34, 3478-3478.	1.2	1