

# Melody S Clark

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

244 papers	12,061 citations	57 h-index	99 g-index
252 ext. papers	13,747 ext. citations	5.1 avg, IF	6.62 L-index

#	Paper	IF	Citations
244	Life in the freezer: protein metabolism in Antarctic fish.. <i>Royal Society Open Science</i> , <b>2022</b> , 9, 211272	3.3	1
243	Antimicrobial resistance in Antarctica: is it still a pristine environment?. <i>Microbiome</i> , <b>2022</b> , 10, 71	16.6	1
242	Variable heat shock response in Antarctic biofouling serpulid worms. <i>Cell Stress and Chaperones</i> , <b>2021</b> , 26, 945-954	4	0
241	Can Antarctica's shallow zoobenthos bounce back from iceberg scouring impacts driven by climate change?. <i>Global Change Biology</i> , <b>2021</b> , 27, 3157-3165	11.4	4
240	Resilience in Greenland intertidal <i>Mytilus</i> : The hidden stress defense. <i>Science of the Total Environment</i> , <b>2021</b> , 767, 144366	10.2	8
239	Latitudinal patterns in intertidal ecosystem structure in West Greenland suggest resilience to climate change. <i>Ecography</i> , <b>2021</b> , 44, 1156-1168	6.5	1
238	A Bivalve Biomineralization Toolbox. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 4043-4055	8.3	4
237	Transcriptomic analysis of shell repair and biomineralization in the blue mussel, <i>Mytilus edulis</i> . <i>BMC Genomics</i> , <b>2021</b> , 22, 437	4.5	3
236	Transcriptional frontloading contributes to cross-tolerance between stressors. <i>Evolutionary Applications</i> , <b>2021</b> , 14, 577-587	4.8	1
235	A century of coping with environmental and ecological changes via compensatory biomineralization in mussels. <i>Global Change Biology</i> , <b>2021</b> , 27, 624-639	11.4	3
234	1 °C warming increases spatial competition frequency and complexity in Antarctic marine macrofauna. <i>Communications Biology</i> , <b>2021</b> , 4, 208	6.7	1
233	Sweepstake reproductive success and collective dispersal produce chaotic genetic patchiness in a broadcast spawner. <i>Science Advances</i> , <b>2021</b> , 7, eabj4713	14.3	3
232	Large within, and between, species differences in marine cellular responses: Unpredictability in a changing environment. <i>Science of the Total Environment</i> , <b>2021</b> , 794, 148594	10.2	4
231	Molecular mechanisms of biomineralization in marine invertebrates. <i>Journal of Experimental Biology</i> , <b>2020</b> , 223,	3	23
230	Legacy and Emerging Persistent Organic Pollutants in Antarctic Benthic Invertebrates near Rothera Point, Western Antarctic Peninsula. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 2763-2771	10.3	9
229	Computationally predicted gene regulatory networks in molluscan biomineralization identify extracellular matrix production and ion transportation pathways. <i>Bioinformatics</i> , <b>2020</b> , 36, 1326-1332	7.2	10
228	Gene network analyses support subfunctionalization hypothesis for duplicated hsp70 genes in the Antarctic clam. <i>Cell Stress and Chaperones</i> , <b>2020</b> , 25, 1111-1116	4	5

227 Life in the extreme environments of our planet under pressure **2020**, 151-183

226 The ecophysiology of responding to change in polar marine benthos **2020**, 184-217

225 A Marine Biodiversity Observation Network for Genetic Monitoring of Hard-Bottom Communities (ARMS-MBON). *Frontiers in Marine Science*, **2020**, 7, 4.5 10

224 Deciphering mollusc shell production: the roles of genetic mechanisms through to ecology, aquaculture and biomimetics. *Biological Reviews*, **2020**, 95, 1812-1837 13.5 15

223 Lipid storage patterns in marine copepods: environmental, ecological, and intrinsic drivers. *ICES Journal of Marine Science*, **2020**, 77, 1589-1601 2.7 3

222 Biomineralization plasticity and environmental heterogeneity predict geographical resilience patterns of foundation species to future change. *Global Change Biology*, **2019**, 25, 4179-4193 11.4 31

221 Molecular mechanisms underpinning transgenerational plasticity in the green sea urchin *Psammechinus miliaris*. *Scientific Reports*, **2019**, 9, 952 4.9 15

220 Antarctica: The final frontier for marine biological invasions. *Global Change Biology*, **2019**, 25, 2221-2241 11.4 43

219 Variability and change in the west Antarctic Peninsula marine system: Research priorities and opportunities. *Progress in Oceanography*, **2019**, 173, 208-237 3.8 63

218 Thicker Shells Compensate Extensive Dissolution in Brachiopods under Future Ocean Acidification. *Environmental Science & Technology*, **2019**, 53, 5016-5026 10.3 18

217 Moderate reductions in dissolved oxygen may compromise performance in an ecologically-important estuarine invertebrate. *Science of the Total Environment*, **2019**, 693, 133444 10.2 5

216 Quantifying susceptibility of marine invertebrate biocomposites to dissolution in reduced pH. *Royal Society Open Science*, **2019**, 6, 190252 3.3 4

215 Spatial and temporal dynamics of Antarctic shallow soft-bottom benthic communities: ecological drivers under climate change. *BMC Ecology*, **2019**, 19, 27 2.7 12

214 Expression of calcification-related ion transporters during blue mussel larval development. *Ecology and Evolution*, **2019**, 9, 7157-7172 2.8 20

213 Lack of long-term acclimation in Antarctic encrusting species suggests vulnerability to warming. *Nature Communications*, **2019**, 10, 3383 17.4 13

212 Antarctic environmental change and biological responses. *Science Advances*, **2019**, 5, eaaz0888 14.3 88

211 Adaptation of Proteins to the Cold in Antarctic Fish: A Role for Methionine?. *Genome Biology and Evolution*, **2019**, 11, 220-231 3.9 8

210 Life in the intertidal: Cellular responses, methylation and epigenetics. *Functional Ecology*, **2018**, 32, 1982-1994 10.94 49

209	The reproductive ecology of the Antarctic bivalve <i>Aequiyoldia eightsi</i> (Protobranchia: Sareptidae) follows neither Antarctic nor taxonomic patterns. <i>Polar Biology</i> , <b>2018</b> , 41, 1693-1706	2	7
208	Blue mussel shell shape plasticity and natural environments: a quantitative approach. <i>Scientific Reports</i> , <b>2018</b> , 8, 2865	4.9	41
207	Seasonality of oxygen consumption in five common Antarctic benthic marine invertebrates. <i>Polar Biology</i> , <b>2018</b> , 41, 897-908	2	7
206	A 120-year record of resilience to environmental change in brachiopods. <i>Global Change Biology</i> , <b>2018</b> , 24, 2262-2271	11.4	35
205	Morphological variation in taxonomic characters of the Antarctic starfish <i>Odontaster validus</i> . <i>Polar Biology</i> , <b>2018</b> , 41, 2159-2165	2	4
204	Antarctic Marine Biodiversity: Adaptations, Environments and Responses to Change <b>2018</b> , 105-236		59
203	Cellular stress responses to chronic heat shock and shell damage in temperate <i>Mya truncata</i> . <i>Cell Stress and Chaperones</i> , <b>2018</b> , 23, 1003-1017	4	10
202	Biodiversity in marine invertebrate responses to acute warming revealed by a comparative multi-omics approach. <i>Global Change Biology</i> , <b>2017</b> , 23, 318-330	11.4	52
201	RAD sequencing resolves fine-scale population structure in a benthic invertebrate: implications for understanding phenotypic plasticity. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 160548	3.3	54
200	Warming by 1°C Drives Species and Assemblage Level Responses in Antarctica's Marine Shallows. <i>Current Biology</i> , <b>2017</b> , 27, 2698-2705.e3	6.3	70
199	Latitudinal trends in shell production cost from the tropics to the poles. <i>Science Advances</i> , <b>2017</b> , 3, e1701162	11.6	36
198	Revealing higher than expected meiofaunal diversity in Antarctic sediments: a metabarcoding approach. <i>Scientific Reports</i> , <b>2017</b> , 7, 6094	4.9	37
197	Insights from the Shell Proteome: Biomineralization to Adaptation. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 66-77	8.3	76
196	Response to van der Meer. <i>Current Biology</i> , <b>2017</b> , 27, R1303-R1304	6.3	1
195	The transcriptome of metamorphosing flatfish. <i>BMC Genomics</i> , <b>2016</b> , 17, 413	4.5	13
194	An Antarctic molluscan biomineralisation tool-kit. <i>Scientific Reports</i> , <b>2016</b> , 6, 36978	4.9	12
193	Characterisation of the mantle transcriptome and biomineralisation genes in the blunt-gaper clam, <i>Mya truncata</i> . <i>Marine Genomics</i> , <b>2016</b> , 27, 47-55	1.9	22
192	A Cold Limit to Adaptation in the Sea. <i>Trends in Ecology and Evolution</i> , <b>2016</b> , 31, 13-26	10.9	83

191	No ocean acidification effects on shell growth and repair in the New Zealand brachiopod <i>Calloria inconspicua</i> (Sowerby, 1846). <i>ICES Journal of Marine Science</i> , <b>2016</b> , 73, 920-926	2.7	34
190	Age-related thermal response: the cellular resilience of juveniles. <i>Cell Stress and Chaperones</i> , <b>2016</b> , 21, 75-85	4	24
189	Transcriptomics provides insight into <i>Mytilus galloprovincialis</i> (Mollusca: Bivalvia) mantle function and its role in biomineralisation. <i>Marine Genomics</i> , <b>2016</b> , 27, 37-45	1.9	31
188	Very slow embryonic and larval development in the Antarctic limpet <i>Nacella polaris</i> . <i>Polar Biology</i> , <b>2016</b> , 39, 2273-2280	2	10
187	Shell matrix proteins of the clam, <i>Mya truncata</i> : Roles beyond shell formation through proteomic study. <i>Marine Genomics</i> , <b>2016</b> , 27, 69-74	1.9	34
186	Long-term effects of altered pH and temperature on the feeding energetics of the Antarctic sea urchin, <i>Sterechinus neumayeri</i> . <i>Biodiversity</i> , <b>2016</b> , 17, 34-45	0.7	41
185	Characterization of the mantle transcriptome in bivalves: <i>Pecten maximus</i> , <i>Mytilus edulis</i> and <i>Crassostrea gigas</i> . <i>Marine Genomics</i> , <b>2016</b> , 27, 9-15	1.9	34
184	Latitudinal and depth gradients in marine predation pressure. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 670-678	6.1	50
183	Transcriptomic response to shell damage in the Antarctic clam, <i>Laternula elliptica</i> : time scales and spatial localisation. <i>Marine Genomics</i> , <b>2015</b> , 20, 45-55	1.9	27
182	Key metabolic pathways involved in xenobiotic biotransformation and stress responses revealed by transcriptomics of the mangrove oyster <i>Crassostrea brasiliana</i> . <i>Aquatic Toxicology</i> , <b>2015</b> , 166, 10-20	5.1	40
181	Reconstructing SALMFamide Neuropeptide Precursor Evolution in the Phylum Echinodermata: Ophiuroid and Crinoid Sequence Data Provide New Insights. <i>Frontiers in Endocrinology</i> , <b>2015</b> , 6, 2	5.7	18
180	The ocean sampling day consortium. <i>GigaScience</i> , <b>2015</b> , 4, 27	7.6	126
179	A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , <b>2015</b> , 27, 3-18	1.7	118
178	Life Beyond the Ice <b>2015</b> , 229-252		5
177	Transcriptome of the Antarctic brooding gastropod mollusc <i>Margarella antarctica</i> . <i>Marine Genomics</i> , <b>2015</b> , 24 Pt 3, 231-2	1.9	4
176	Metabolic responses to temperature stress under elevated pCO <sub>2</sub> in <i>Crepidula fornicata</i> . <i>Journal of Molluscan Studies</i> , <b>2015</b> , 81, 238-246	1.1	10
175	Adult acclimation to combined temperature and pH stressors significantly enhances reproductive outcomes compared to short-term exposures. <i>Journal of Animal Ecology</i> , <b>2015</b> , 84, 773-784	4.7	119
174	Ocean acidification does not impact shell growth or repair of the Antarctic brachiopod <i>Liothyrella uva</i> (Broderip, 1833). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2015</b> , 462, 29-35	2.1	50

173	Deciphering the molecular adaptation of the king scallop ( <i>Pecten maximus</i> ) to heat stress using transcriptomics and proteomics. <i>BMC Genomics</i> , <b>2015</b> , 16, 988	4.5	19
172	Variability among individuals is generated at the gene expression level. <i>Ecology</i> , <b>2015</b> , 96, 2004-14	4.6	6
171	Acidification effects on biofouling communities: winners and losers. <i>Global Change Biology</i> , <b>2015</b> , 21, 1907-13	11.4	31
170	Diversification, evolution and sub-functionalization of 70kDa heat-shock proteins in two sister species of antarctic krill: differences in thermal habitats, responses and implications under climate change. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121642	3.7	28
169	Experimental influence of pH on the early life-stages of sea urchins II: increasing parental exposure times gives rise to different responses. <i>Invertebrate Reproduction and Development</i> , <b>2014</b> , 58, 161-175	0.7	43
168	Deep sequencing of the mantle transcriptome of the great scallop <i>Pecten maximus</i> . <i>Marine Genomics</i> , <b>2014</b> , 15, 3-4	1.9	32
167	Acclimation and thermal tolerance in Antarctic marine ectotherms. <i>Journal of Experimental Biology</i> , <b>2014</b> , 217, 16-22	3	134
166	The spatial structure of Antarctic biodiversity. <i>Ecological Monographs</i> , <b>2014</b> , 84, 203-244	9	203
165	Experimental influence of pH on the early life-stages of sea urchins I: different rates of introduction give rise to different responses. <i>Invertebrate Reproduction and Development</i> , <b>2014</b> , 58, 148-159	0.7	12
164	Limpet feeding rate and the consistency of physiological response to temperature. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2014</b> , 184, 563-70	2.2	12
163	Polar research: Six priorities for Antarctic science. <i>Nature</i> , <b>2014</b> , 512, 23-5	50.4	150
162	Transcriptome of the Atlantic halibut ( <i>Hippoglossus hippoglossus</i> ). <i>Marine Genomics</i> , <b>2014</b> , 18 Pt B, 101-3	3.9	7
161	Lack of coherence in the warming responses of marine crustaceans. <i>Functional Ecology</i> , <b>2014</b> , 28, 895-903	3.6	39
160	Age-dependent expression of stress and antimicrobial genes in the hemocytes and siphon tissue of the Antarctic bivalve, <i>Laternula elliptica</i> , exposed to injury and starvation. <i>Cell Stress and Chaperones</i> , <b>2014</b> , 19, 15-32	4	20
159	Low global sensitivity of metabolic rate to temperature in calcified marine invertebrates. <i>Oecologia</i> , <b>2014</b> , 174, 45-54	2.9	22
158	Molecular analysis of the cold tolerant Antarctic nematode, <i>Panagrolaimus davidi</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e104526	3.7	16
157	Polar marine biology science in Portugal and Spain: Recent advances and future perspectives. <i>Journal of Sea Research</i> , <b>2013</b> , 83, 9-29	1.9	14
156	Hydrogen peroxide and ecdysone in the cryoprotective dehydration strategy of <i>Megaphorura arctica</i> (Onychiuridae: Collembola). <i>Archives of Insect Biochemistry and Physiology</i> , <b>2013</b> , 82, 59-70	2.3	3

155	Transcriptome pyrosequencing of the Antarctic brittle star <i>Ophionotus victoriae</i> . <i>Marine Genomics</i> , <b>2013</b> , 9, 9-15	1.9	18
154	Growth of the Antarctic octocoral <i>Primnoella scotiae</i> and predation by the anemone <i>Dactylanthus antarcticus</i> . <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2013</b> , 92, 73-78	2.3	5
153	Hypoxia impacts large adults first: consequences in a warming world. <i>Global Change Biology</i> , <b>2013</b> , 19, 2251-63	11.4	68
152	Comparative analysis of a teleost skeleton transcriptome provides insight into its regulation. <i>General and Comparative Endocrinology</i> , <b>2013</b> , 191, 45-58	3	33
151	Identification of molecular and physiological responses to chronic environmental challenge in an invasive species: the Pacific oyster, <i>Crassostrea gigas</i> . <i>Ecology and Evolution</i> , <b>2013</b> , 3, 3283-97	2.8	44
150	Ecological Responses of Maritime Antarctic Lakes to Regional Climate Change. <i>Antarctic Research Series</i> , <b>2013</b> , 159-170		16
149	Hierarchical population genetic structure in a direct developing antarctic marine invertebrate. <i>PLoS ONE</i> , <b>2013</b> , 8, e63954	3.7	10
148	Juveniles Are More Resistant to Warming than Adults in 4 Species of Antarctic Marine Invertebrates. <i>PLoS ONE</i> , <b>2013</b> , 8, e66033	3.7	45
147	Transcriptome and peptidome characterisation of the main neuropeptides and peptidic hormones of a euphausiid: the Ice Krill, <i>Euphausia crystallorophias</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e71609	3.7	50
146	Marine invertebrate skeleton size varies with latitude, temperature and carbonate saturation: implications for global change and ocean acidification. <i>Global Change Biology</i> , <b>2012</b> , 18, 3026-3038	11.4	103
145	Rates of assay success and genotyping error when single nucleotide polymorphism genotyping in non-model organisms: a case study in the Antarctic fur seal. <i>Molecular Ecology Resources</i> , <b>2012</b> , 12, 861-724	8.4	23
144	Intrinsic gene expression during regeneration in arm explants of <i>Amphiura filiformis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2012</b> , 413, 106-112	2.1	17
143	RNA preservation of Antarctic marine invertebrates. <i>Polar Biology</i> , <b>2012</b> , 35, 633-636	2	6
142	The Impact of Regional Climate Change on the Marine Ecosystem of the Western Antarctic Peninsula <b>2012</b> , 91-120		3
141	Mechanisms Defining Thermal Limits and Adaptation in Marine Ectotherms: An Integrative View <b>2012</b> , 379-416		9
140	A horizon scan of global conservation issues for 2012. <i>Trends in Ecology and Evolution</i> , <b>2012</b> , 27, 12-18	10.9	57
139	Thermal reaction norms and the scale of temperature variation: latitudinal vulnerability of intertidal nacellid limpets to climate change. <i>PLoS ONE</i> , <b>2012</b> , 7, e52818	3.7	19
138	Long-term survival of hydrated resting eggs from <i>Brachionus plicatilis</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e29365	3.7	28

137	Iceberg scour and shell damage in the Antarctic bivalve <i>Laternula elliptica</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e46341	3.7	41
136	Spatial and temporal variation in the heat tolerance limits of two abundant Southern Ocean invertebrates. <i>Marine Ecology - Progress Series</i> , <b>2012</b> , 450, 81-92	2.6	22
135	Widespread amplification of amplified fragment length polymorphisms (AFLPs) in marine Antarctic animals. <i>Polar Biology</i> , <b>2012</b> , 35, 919-929	2	10
134	Physiological plasticity, long term resistance or acclimation to temperature, in the Antarctic bivalve, <i>Laternula elliptica</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2012</b> , 162, 16-21	2.6	39
133	Slow arm regeneration in the Antarctic brittle star <i>Ophiura crassa</i> (Echinodermata, Ophiuroidea). <i>Aquatic Biology</i> , <b>2012</b> , 16, 105-113	2	6
132	Correlative and dynamic species distribution modelling for ecological predictions in the Antarctic: a cross-disciplinary concept. <i>Polar Research</i> , <b>2012</b> , 31, 11091	2	46
131	Unexpected fine-scale population structure in a broadcast-spawning Antarctic marine mollusc. <i>PLoS ONE</i> , <b>2012</b> , 7, e32415	3.7	20
130	Organisms and responses to environmental change. <i>Marine Genomics</i> , <b>2011</b> , 4, 237-43	1.9	88
129	Strong population genetic structure in a broadcast-spawning Antarctic marine invertebrate. <i>Journal of Heredity</i> , <b>2011</b> , 102, 55-66	2.4	41
128	Antarctic krill 454 pyrosequencing reveals chaperone and stress transcriptome. <i>PLoS ONE</i> , <b>2011</b> , 6, e15919	3.7	64
127	Proteomics of cryoprotective dehydration in <i>Megaphorura arctica</i> Tullberg 1876 (Onychiuridae: Collembola). <i>Insect Molecular Biology</i> , <b>2011</b> , 20, 303-10	3.4	10
126	Duration tenacity: A method for assessing acclimatory capacity of the Antarctic limpet, <i>Nacella concinna</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2011</b> , 399, 39-42	2.1	23
125	Antarctic intertidal limpet ecophysiology: A winter/summer comparison. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2011</b> , 403, 39-45	2.1	19
124	Reproductive ecology of the circumpolar Antarctic nemertean <i>Parborlasia corrugatus</i> : No evidence for inter-annual variation. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2011</b> , 404, 98-107	2.1	10
123	Dynamic gene expression profiles during arm regeneration in the brittle star <i>Amphiura filiformis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2011</b> , 407, 315-322	2.1	25
122	Skin healing and scale regeneration in fed and unfed sea bream, <i>Sparus auratus</i> . <i>BMC Genomics</i> , <b>2011</b> , 12, 490	4.5	47
121	Cold hardening induces transfer of fatty acids between polar and nonpolar lipid pools in the Arctic collembollan <i>Megaphorura arctica</i> . <i>Physiological Entomology</i> , <b>2011</b> , 36, 135-140	1.9	12
120	Divergent transcriptomic responses to repeated and single cold exposures in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , <b>2011</b> , 214, 4021-9	3	86

119	Turning on the heat: ecological response to simulated warming in the sea. <i>PLoS ONE</i> , <b>2011</b> , 6, e16050	3.7	25
118	Upper temperature limits of tropical marine ectotherms: global warming implications. <i>PLoS ONE</i> , <b>2011</b> , 6, e29340	3.7	137
117	Gene expression associated with changes in cold tolerance levels of the Antarctic springtail, <i>Cryptopygus antarcticus</i> . <i>Insect Molecular Biology</i> , <b>2010</b> , 19, 113-20	3.4	74
116	Swarms of diversity at the gene cox1 in Antarctic krill. <i>Heredity</i> , <b>2010</b> , 104, 513-8	3.6	32
115	Transcription profiling of acute temperature stress in the Antarctic plunderfish <i>Harpagifer antarcticus</i> . <i>Marine Genomics</i> , <b>2010</b> , 3, 35-44	1.9	55
114	Gilthead sea bream ( <i>Sparus auratus</i> ) and European sea bass ( <i>Dicentrarchus labrax</i> ) expressed sequence tags: Characterization, tissue-specific expression and gene markers. <i>Marine Genomics</i> , <b>2010</b> , 3, 179-91	1.9	22
113	Populations and Pathways: Genomic Approaches to Understanding Population Structure and Environmental Adaptation <b>2010</b> , 73-118		3
112	No evidence for genetic differentiation between Antarctic limpet <i>Nacella concinna</i> morphotypes. <i>Marine Biology</i> , <b>2010</b> , 157, 765-778	2.5	47
111	Poor acclimation capacities in Antarctic marine ectotherms. <i>Marine Biology</i> , <b>2010</b> , 157, 2051-2059	2.5	100
110	Depth gradients in shell morphology correlate with thermal limits for activity and ice disturbance in Antarctic limpets. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2010</b> , 390, 1-5	2.1	19
109	Transcriptional response to heat stress in the Antarctic bivalve <i>Laternula elliptica</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2010</b> , 391, 65-72	2.1	39
108	Insights into shell deposition in the Antarctic bivalve <i>Laternula elliptica</i> : gene discovery in the mantle transcriptome using 454 pyrosequencing. <i>BMC Genomics</i> , <b>2010</b> , 11, 362	4.5	145
107	Cryoprotective Dehydration: Clues from an Insect. <i>Topics in Current Genetics</i> , <b>2010</b> , 147-163		4
106	Effects of simulated light regimes on gene expression in Antarctic krill ( <i>Euphausia superba</i> Dana). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2009</b> , 381, 57-64	2.1	23
105	Discovering genes associated with dormancy in the monogonont rotifer <i>Brachionus plicatilis</i> . <i>BMC Genomics</i> , <b>2009</b> , 10, 108	4.5	77
104	Surviving the cold: molecular analyses of insect cryoprotective dehydration in the Arctic springtail <i>Megaphorura arctica</i> (Tullberg). <i>BMC Genomics</i> , <b>2009</b> , 10, 328	4.5	74
103	Geographical variation in thermal tolerance within Southern Ocean marine ectotherms. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2009</b> , 153, 154-61	2.6	53
102	Animal temperature limits and ecological relevance: Effects of size, activity and rates of change. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2009</b> , 153, S57	2.6	2

101	Triggers of the HSP70 stress response: environmental responses and laboratory manipulation in an Antarctic marine invertebrate ( <i>Nacella concinna</i> ). <i>Cell Stress and Chaperones</i> , <b>2009</b> , 14, 649-60	4	69
100	Lack of acclimation in <i>Ophionotus victoriae</i> : brittle stars are not fish. <i>Polar Biology</i> , <b>2009</b> , 32, 399-402	2	67
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