

John Campbell McNamara

List of Publications by Year in descending order

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127
papers

3,499
citations

147726

31
h-index

189801

50
g-index

139
all docs

139
docs citations

139
times ranked

1506
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of ammonia on gill (Na ⁺ , K ⁺)-ATPase kinetics in a hololimnetic population of the Amazon River shrimp <i>Macrobrachium amazonicum</i> . <i>Aquatic Toxicology</i> , 2022, 246, 106144.	1.9	2
2	Can tolerances of multiple stressors and calculated safety margins in fiddler crabs predict responses to extreme environmental conditions resulting from climate change?. <i>Marine Pollution Bulletin</i> , 2022, 179, 113674.	2.3	4
3	Salinity-dependent modulation by protein kinases and the fxyd2 peptide of gill (Na ⁺ , K ⁺)-ATPase activity in the freshwater shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, , 183982.	1.4	2
4	Strategies of Invertebrate Osmoregulation: An Evolutionary Blueprint for Transmuting into Fresh Water from the Sea. <i>Integrative and Comparative Biology</i> , 2022, 62, 376-387.	0.9	12
5	Use of an Integrated Geochemical and Ecotoxicological Approach to Evaluate Sediment Metal Contamination in Three Protected Estuarine Areas Along the Coast of São Paulo State, Brazil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 355-362.	1.3	4
6	Survival strategies on a semi-arid island: submersion and desiccation tolerances of fiddler crabs from the Galapagos Archipelago. <i>Marine Biology</i> , 2021, 168, 1.	0.7	8
7	Osmotic and ionic regulation, and kinetic characteristics of a posterior gill (Na ⁺ , K ⁺)-ATPase from the blue crab <i>Callinectes danae</i> on acclimation to salinity challenge. <i>Marine Biology</i> , 2021, 168, 1.	0.7	12
8	Salt transport by the gill Na ⁺ -K ⁺ -2Cl ⁻ symporter in palaemonid shrimps: exploring physiological, molecular and evolutionary landscapes. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 257, 110968.	0.8	13
9	Contrasting strategies of osmotic and ionic regulation in freshwater crabs and shrimps: gene expression of gill ion transporters. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	7
10	Osmotic and ionic regulation, and modulation by protein kinases, FXYD2 peptide and ATP of gill (Na ⁺ , K ⁺)-ATPase in the blue crab <i>Callinectes danae</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 250, 110507.	0.7	16
11	Tissue Accumulation and the Effects of Long-Term Dietary Copper Contamination on Osmoregulation in the Mudflat Fiddler Crab <i>Minuca rapax</i> (Crustacea, Ocypodidae). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 755-762.	1.3	12
12	Living on the Edge: Physiological and Kinetic Trade-Offs Shape Thermal Tolerance in Intertidal Crabs From Tropical to Sub-Antarctic South America. <i>Frontiers in Physiology</i> , 2020, 11, 312.	1.3	9
13	Biochemical Characterization and Allosteric Modulation by Magnesium of (Na ⁺ , K ⁺)-ATPase Activity in the Gills of the Red Mangrove Crab <i>Goniopsis cruentata</i> (Brachyura, Grapsidae). <i>Journal of Membrane Biology</i> , 2020, 253, 229-245.	1.0	4
14	Combined effects of temperature and copper on oxygen consumption and antioxidant responses in the mudflat fiddler crab <i>Minuca rapax</i> (Brachyura, Ocypodidae). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 223, 35-41.	1.3	10
15	Dopamine binding directly up-regulates (Na ⁺ , K ⁺)-ATPase activity in the gills of the freshwater shrimp <i>Macrobrachium amazonicum</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 233, 39-47.	0.8	2
16	Seasonal environmental parameters influence biochemical responses of the fiddler crab <i>Minuca rapax</i> to contamination in situ. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 216, 93-100.	1.3	16
17	Kinetic characterization of the gill (Na ⁺ , K ⁺)-ATPase in a hololimnetic population of the diadromous Amazon River shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 227, 64-74.	0.7	8
18	Brazil's government attacks biodiversity. <i>Science</i> , 2018, 360, 865-865.	6.0	31

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19	Short- and long-term salinity challenge, osmoregulatory ability, and (Na ⁺ , K ⁺)-ATPase kinetics and $\hat{\Gamma}$ -subunit mRNA expression in the gills of the thinstripe hermit crab <i>Clibanarius symmetricus</i> (Anomura), <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2</i> 2018, 225, 16-25.	0.8	19
20	Gill (Na ⁺ , K ⁺)-ATPase from the Amazon River shrimp, <i>Macrobrachium amazonicum</i> (Decapoda), <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2</i> <i>Hydrobiologia</i> , 2017, 789, 59-76.	1.0	8
21	Polyamines regulate phosphorylationâ€“dephosphorylation kinetics in a crustacean gill (Na ⁺ , <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2</i>	1.1	9
22	Effects of waterborne copper delivered under two different exposure and salinity regimes on osmotic and ionic regulation in the mudflat fiddler crab, <i>Minuca rapax</i> (Ocypodidae, Brachyura). <i>Ecotoxicology and Environmental Safety</i> , 2017, 143, 201-209.	2.9	29
23	Macroevolution of thermal tolerance in intertidal crabs from Neotropical provinces: A phylogenetic comparative evaluation of critical limits. <i>Ecology and Evolution</i> , 2017, 7, 3167-3176.	0.8	22
24	Gill Ion Transport ATPases and Ammonia Excretion in Aquatic Crustaceans. , 2017, , 61-107.		14
25	A Kinetic Characterization of the Gill (Na ⁺ , K ⁺)-ATPase from the Semi-terrestrial Mangrove Crab <i>Cardisoma guanhumi</i> Latreille, 1825 (Decapoda, Brachyura). <i>Journal of Membrane Biology</i> , 2017, 250, 517-534.	1.0	8
26	Transcriptional, translational and systemic alterations during the time course of osmoregulatory acclimation in two palaemonid shrimps from distinct osmotic niches. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 212, 97-106.	0.8	20
27	Low salinityâ€“induced alterations in epithelial ultrastructure, Na ⁺ /K ⁺ -ATPase immunolocalization and enzyme kinetic characteristics in the gills of the thinstripe hermit crab, <i>Clibanarius vittatus</i> (Anomura, Diogenidae). <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2017, 327, 380-397.	0.9	11
28	Geographical variation in osmoregulatory abilities among populations of ten species of fiddler crabs from the Atlantic coast of Brazil: A macrophysiological analysis. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 497, 243-253.	0.7	24
29	Phylogenetic patterns and the adaptive evolution of osmoregulation in fiddler crabs (Brachyura), <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2</i>	1.1	29
30	Pigment Translocation in Caridean Shrimp Chromatophores: Receptor Type, Signal Transduction, Second Messengers, and Cross Talk Among Multiple Signaling Cascades. <i>Journal of Experimental Zoology</i> , 2016, 325, 565-580.	1.2	10
31	Effects of metal contamination in situ on osmoregulation and oxygen consumption in the mudflat fiddler crab <i>Uca rapax</i> (Ocypodidae, Brachyura). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 185-186, 102-111.	1.3	20
32	Effects of ammonia stress in the Amazon river shrimp <i>Macrobrachium amazonicum</i> (Decapoda), <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2</i>	1.9	45
33	A kinetic characterization of the gill V(H ⁺)-ATPase in juvenile and adult <i>Macrobrachium amazonicum</i> , a diadromous palaemonid shrimp. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 181, 15-25.	0.7	14
34	A Kinetic Characterization of (Na ⁺ , K ⁺)-ATPase Activity in the Gills of the Pelagic Seabob Shrimp <i>Xiphopenaeus kroyeri</i> (Decapoda, Penaeidae). <i>Journal of Membrane Biology</i> , 2015, 248, 257-272.	1.0	9
35	The conquest of fresh water by the palaemonid shrimps: an evolutionary history scripted in the osmoregulatory epithelia of the gills and antennal glands. <i>Biological Journal of the Linnean Society</i> , 2015, 114, 673-688.	0.7	47
36	Gill-specific (Na ⁺ , K ⁺)-ATPase activity and $\hat{\Gamma}$ -subunit mRNA expression during low-salinity acclimation of the ornate blue crab <i>Callinectes ornatus</i> (Decapoda, Brachyura). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 186, 59-67.	0.7	36

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37	Modulation By K ⁺ Plus NH ₄ ⁺ of Microsomal (Na ⁺ , K ⁺)-ATPase Activity in Selected Ontogenetic Stages of the Diadromous River Shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). PLoS ONE, 2014, 9, e89625.	1.1	18
38	Pigment granule translocation in red ovarian chromatophores from the palaemonid shrimp <i>Macrobrachium olfersi</i> (Weigmann, 1836): Functional roles for the cytoskeleton and its molecular motors. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 178, 90-101.	0.8	5
39	A panmictic fiddler crab from the coast of Brazil? Impact of divergent ocean currents and larval dispersal potential on genetic and morphological variation in <i>Uca maracoani</i> . Marine Biology, 2014, 161, 173-185.	0.7	33
40	Intraspecific variation in carapace morphology among fiddler crabs (Genus <i>Uca</i>) from the Atlantic coast of Brazil. Aquatic Biology, 2014, 20, 53-67.	0.5	16
41	Subcellular Localization and Kinetic Characterization of a Gill (Na ⁺ , K ⁺)-ATPase from the Giant Freshwater Prawn <i>Macrobrachium rosenbergii</i> . Journal of Membrane Biology, 2013, 246, 529-543.	1.0	24
42	Synergistic stimulation by potassium and ammonium of K ⁺ -phosphatase activity in gill microsomes from the crab <i>Callinectes ornatus</i> acclimated to low salinity: Novel property of a primordial pump. Archives of Biochemistry and Biophysics, 2013, 530, 55-63.	1.4	8
43	The distribution of fiddler crabs (<i>Uca</i>) along the coast of Brazil: implications for biogeography of the western Atlantic Ocean. Marine Biodiversity Records, 2013, 6, .	1.2	97
44	Signaling Events During Cyclic Guanosine Monophosphate-Regulated Pigment Aggregation in Freshwater Shrimp Chromatophores. Biological Bulletin, 2012, 223, 178-191.	0.7	6
45	Evolution of osmoregulatory patterns and gill ion transport mechanisms in the decapod Crustacea: a review. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 997-1014.	0.7	184
46	Hemolymph ion regulation and kinetic characteristics of the gill (Na ⁺ , K ⁺)-ATPase in the hermit crab <i>Clibanarius vittatus</i> (Decapoda, Anomura) acclimated to high salinity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 380-391.	0.7	23
47	Identification of a crab gill FXD2 protein and regulation of crab microsomal Na,K-ATPase activity by mammalian FXD2 peptide. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2588-2597.	1.4	25
48	Kinetic Analysis of Gill (Na ⁺ ,K ⁺)-ATPase Activity in Selected Ontogenetic Stages of the Amazon River Shrimp, <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae): Interactions at ATP- and Cation-Binding Sites. Journal of Membrane Biology, 2012, 245, 201-215.	1.0	23
49	Short- and long-term, salinity-induced modulation of V-ATPase activity in the posterior gills of the true freshwater crab, <i>Dilocarcinus pagei</i> (Brachyura, Trichodactylidae). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 160, 24-31.	0.7	26
50	Intra- and extracellular osmotic regulation in the hololimnetic Caridea and Anomura: a phylogenetic perspective on the conquest of fresh water by the decapod Crustacea. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 175-186.	0.7	41
51	Na ⁺ ,K ⁺ -ATPase Activity in the Posterior Gills of the Blue Crab, <i>Callinectes ornatus</i> (Decapoda,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Membrane Biology, 2011, 244, 9-20.	1.0	18
52	Cation transport coupled to ATP hydrolysis by the (Na, K)-ATPase. Biochemistry and Molecular Biology Education, 2010, 38, 276-279.	0.5	2
53	Structural and biochemical correlates of Na ⁺ + K ⁺ -ATPase driven ion uptake across the posterior gill epithelium of the true freshwater crab, <i>Dilocarcinus pagei</i> (Brachyura, Trichodactylidae). Journal of Experimental Zoology, 2010, 313A, 508-523.	1.2	37
54	Signal transduction, plasma membrane calcium movements, and pigment translocation in freshwater shrimp chromatophores. Journal of Experimental Zoology, 2010, 313A, 605-617.	1.2	8

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55	Differential adjustment in gill Na ⁺ /K ⁺ - and V-ATPase activities and transporter mRNA expression during osmoregulatory acclimation in the cinnamon shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Tj ETQq1 1 00784314 rBT /Over	0.7	9
56	Cyclic Guanosine Monophosphate Signaling Cascade Mediates Pigment Aggregation in Freshwater Shrimp Chromatophores. <i>Biological Bulletin</i> , 2009, 216, 138-148.	0.7	9
57	Association of a Myosin Motor with Membrane-Bounded Pigment Granules in Freshwater Shrimp Chromatophores: Evidence from the Nitella Actin-Cable Assay. <i>Journal of Crustacean Biology</i> , 2009, 29, 387-392.	0.3	2
58	Na,K-ATPase activity and epithelial interfaces in gills of the freshwater shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 431-439.	0.8	47
59	Na ⁺ , K ⁺ -ATPase activity in gill microsomes from the blue crab, <i>Callinectes danae</i> , acclimated to low salinity: Novel perspectives on ammonia excretion. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 153, 141-148.	0.8	42
60	Hemolymph ionic regulation and adjustments in gill (Na ⁺ , K ⁺)-ATPase activity during salinity acclimation in the swimming crab <i>Callinectes ornatus</i> (Decapoda, Brachyura). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 154, 44-55.	0.8	43
61	Evolutionary transition to freshwater by ancestral marine palaemonids: evidence from osmoregulation in a tide pool shrimp. <i>Aquatic Biology</i> , 2009, 7, 113-122.	0.5	52
62	A structure-function analysis of ion transport in crustacean gills and excretory organs. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 151, 272-304.	0.8	331
63	The crustacean gill (Na ⁺ ,K ⁺)-ATPase: Allosteric modulation of high- and low-affinity ATP-binding sites by sodium and potassium. <i>Archives of Biochemistry and Biophysics</i> , 2008, 479, 139-144.	1.4	13
64	Regulation by the exogenous polyamine spermidine of Na,K-ATPase activity from the gills of the euryhaline swimming crab <i>Callinectes danae</i> (Brachyura, Portunidae). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 149, 622-629.	0.7	13
65	A Spring-Matrix Model for Pigment Translocation in the Red Ovarian Chromatophores of the Freshwater Shrimp <i>Macrobrachium olfersi</i> (Crustacea, Decapoda). <i>Biological Bulletin</i> , 2008, 214, 111-121.	0.7	7
66	The Ontogeny of Isosmotic Intracellular Regulation in the Diadromous, Freshwater Palaemonid Shrimps, <i>Macrobrachium Amazonicum</i> and <i>M. Olfersi</i> (Decapoda). <i>Journal of Crustacean Biology</i> , 2007, 27, 626-634.	0.3	77
67	Adaptive shifts in osmoregulatory strategy and the invasion of freshwater by brachyuran crabs: evidence from <i>Dilocarcinus pagei</i> (Trichodactylidae). <i>Journal of Experimental Zoology</i> , 2007, 307A, 688-698.	1.2	45
68	Calcium movements during pigment aggregation in freshwater shrimp chromatophores. <i>Pigment Cell & Melanoma Research</i> , 2007, 20, 70-77.	4.0	15
69	Long-term exposure of the freshwater shrimp <i>Macrobrachium olfersii</i> to elevated salinity: Effects on gill (Na ⁺ ,K ⁺)-ATPase $\hat{\alpha}$ -subunit expression and K ⁺ -phosphatase activity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, 534-543.	0.8	25
70	K ⁺ and NH ₄ ⁺ modulate gill (Na ⁺ , K ⁺)-ATPase activity in the blue crab, <i>Callinectes ornatus</i> : Fine tuning of ammonia excretion. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 147, 145-155.	0.8	48
71	Gill (Na ⁺ ,K ⁺)-ATPase in diadromous, freshwater palaemonid shrimps: Species-specific kinetic characteristics and $\hat{\alpha}$ -subunit expression. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 178-188.	0.8	55
72	19.P5. Two (Na ⁺ ,K ⁺)-ATPase isoenzymes coexist in the posterior gills of the red freshwater crab <i>Dilocarcinus pagei</i> (Decapoda, Trichodactylidae). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, S90.	0.8	0

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73	27.P2. The time course of osmoregulatory response, Na ⁺ /K ⁺ -ATPase activity and ion transporter mRNA expression in the gills of the freshwater shrimp, <i>Macrobrachium amazonicum</i> (Crustacea, Decapoda). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, S122.	0.8	0
74	Association of kinesin and myosin with pigment granules in crustacean chromatophores. <i>Pigment Cell & Melanoma Research</i> , 2006, 19, 68-75.	4.0	19
75	A kinetic study of the gill (Na ⁺ , K ⁺)-ATPase, and its role in ammonia excretion in the intertidal hermit crab, <i>Clibanarius vittatus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2006, 145, 346-356.	0.8	36
76	K ⁺ -Phosphatase activity of gill (Na ⁺ , K ⁺)-ATPase from the blue crab, <i>Callinectes danae</i> : Low-salinity acclimation and expression of the α -subunit. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 294-307.	1.3	13
77	Adaptation to hypoosmotic challenge in brachyuran crabs: a microanatomical and electrophysiological characterization of the intestinal epithelia. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 880-893.	1.3	17
78	Gill microsomal (Na ⁺ ,K ⁺)-ATPase from the blue crab <i>Callinectes danae</i> : Interactions at cationic sites. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 2521-2535.	1.2	36
79	Modulation of gill Na ⁺ ,K ⁺ -ATPase activity by ammonium ions: Putative coupling of nitrogen excretion and ion uptake in the freshwater shrimp <i>Macrobrachium olfersii</i> . <i>The Journal of Experimental Zoology</i> , 2004, 301A, 63-74.	1.4	50
80	Ion-motive ATPases and active, transbranchial NaCl uptake in the red freshwater crab, <i>Dilocarcinus pagei</i> (Decapoda, Trichodactylidae). <i>Journal of Experimental Biology</i> , 2004, 207, 4623-4631.	0.8	83
81	Free amino acid pools as effectors of osmotic adjustment in different tissues of the freshwater shrimp <i>macrobrachium olfersii</i> (crustacea, decapoda) during long-term salinity acclimation. <i>Marine and Freshwater Behaviour and Physiology</i> , 2004, 37, 193-208.	0.4	61
82	Adaptive patterns of osmotic and ionic regulation, and the invasion of fresh water by the palaemonid shrimps. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 136, 771-778.	0.8	97
83	Gill (Na ⁺ ,K ⁺)-ATPase from the blue crab <i>Callinectes danae</i> : modulation of K ⁺ -phosphatase activity by potassium and ammonium ions. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 631-640.	0.7	20
84	Modulation by ammonium ions of gill microsomal (Na ⁺ ,K ⁺)-ATPase in the swimming crab <i>Callinectes danae</i> : a possible mechanism for regulation of ammonia excretion. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 132, 471-482.	1.3	37
85	Hyperosmoregulation in the red freshwater crab <i>Dilocarcinus pagei</i> (Brachyura). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Experimental Biology</i> , 2002, 205, 167-175.	0.8	53
86	Hyperosmoregulation in the red freshwater crab <i>Dilocarcinus pagei</i> (Brachyura, Trichodactylidae): structural and functional asymmetries of the posterior gills. <i>Journal of Experimental Biology</i> , 2002, 205, 167-75.	0.8	32
87	Identification and quantification of carotenoid pigments during the embryonic development of the freshwater shrimp <i>Macrobrachium olfersii</i> (crustacea, decapoda). <i>Marine and Freshwater Behaviour and Physiology</i> , 2001, 34, 105-116.	0.4	11
88	Nitrophenylphosphate as a tool to characterize gill Na ⁺ , K ⁺ -ATPase activity in hyperregulating Crustacea. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001, 130, 665-676.	0.8	20
89	The calcium dependence of pigment translocation in freshwater shrimp red ovarian chromatophores. <i>Biological Bulletin</i> , 2000, 198, 357-366.	0.7	18
90	Characterization of (Na ⁺ , K ⁺)-ATPase in gill microsomes of the freshwater shrimp <i>Macrobrachium olfersii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000, 126, 303-315.	0.7	83

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91	Kinetic characterization of pigment migration and the role of the cytoskeleton in granule translocation in the red chromatophores of the shrimp <i>Macrobrachium olfersii</i> (Crustacea, Decapoda). <i>Journal of Experimental Marine Biology and Ecology</i> , 1997, 215, 81-91.	0.7	59
92	Ultracytochemical location of Na ⁺ /K ⁺ -atpase activity and effect of high salinity acclimation in gill and renal epithelia of the freshwater shrimp <i>Macrobrachium olfersii</i> (Crustacea, Decapoda). <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 284, 617-628.	0.7	63
93	The Route of Ion and Water Movements Across the Gill Epithelium of the Freshwater Shrimp <i>Macrobrachium olfersii</i> (Decapoda, Palaemonidae): Evidence From Ultrastructural Changes Induced by Acclimation to Saline Media. <i>Biological Bulletin</i> , 1997, 192, 321-331.	0.7	25
94	Regulation of hemolymph osmolytes and gill Na ⁺ /K ⁺ -ATPase activities during acclimation to saline media in the freshwater shrimp <i>Macrobrachium olfersii</i> (Wiegmann, 1836) (Decapoda, Palaemonidae). <i>Journal of Experimental Marine Biology and Ecology</i> , 1997, 215, 81-91.	0.8	27
95	Neuroendocrine modulation of osmoregulatory parameters in the freshwater shrimp <i>Macrobrachium olfersii</i> (Wiegmann) (Crustacea, Decapoda). <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 206, 109-120.	0.3	44
96	Neuroendocrine Control of Osmotic Regulation in the Freshwater Shrimp <i>Macrobrachium olfersii</i> (Wiegmann) (Crustacea, Decapoda): Free Amino Acid Concentrations in the Hemolymph. <i>General and Comparative Endocrinology</i> , 1995, 100, 83-91.	0.3	2
97	Fine Structure of the Gills of the Fresh-Water Shrimp <i>Macrobrachium olfersii</i> (Decapoda): Effect of Acclimation to High Salinity Medium and Evidence for Involvement of the Lamellar Septum in Ion Uptake. <i>Journal of Crustacean Biology</i> , 1995, 15, 103.	0.8	10
98	Exposure to Highsalinitymediumandneurosecretion in Theanteromedial Cells Ofthesupraesophageal Ganglion Ofthe Fresh-watershrimp <i>Macrobrachium olfersii</i> (Decapoda). <i>Journal of Crustacean Biology</i> , 1993, 13, 409-422.	0.9	7
99	Involvement of the central nervous system in neuroendocrine mediation of osmotic and ionic regulation in the freshwater shrimp <i>Macrobrachium olfersii</i> (Crustacea, Decapoda). <i>General and Comparative Endocrinology</i> , 1992, 88, 316-327.	0.8	19
100	Lack of osmoregulation in <i>Aplysia brasiliensis</i> : correlation with response of neuron R15 to osphradial stimulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1991, 260, R777-R784.	0.7	31
101	Neuroendocrine regulation of osmotic and ionic concentrations in the hemolymph of the freshwater shrimp <i>Macrobrachium olfersii</i> (Wiegmann) (Crustacea, Decapoda). <i>General and Comparative Endocrinology</i> , 1991, 84, 16-26.	0.1	3
102	The Ultrastructure of the Radial Neuromuscular System of the Jellyfish <i>Liriope tetraphylla</i> (Hydrozoa). <i>Journal of Experimental Marine Biology and Ecology</i> , 1997, 215, 81-91.	0.1	19
103	The effect of eyestalk ablation on haemolymph osmotic and ionic concentrations during acute salinity exposure in the freshwater shrimp <i>Macrobrachium olfersii</i> (Wiegmann) (Crustacea, Decapoda). <i>Hydrobiologia</i> , 1990, 199, 193-199.	0.7	32
104	Ultrastructure and Development of Pigmentary Effectors in Embryos of the Freshwater Shrimp <i>Macrobrachium Olfersii</i> (Wiegmann) (Decapoda, Caridea, Palaemonidae). <i>Crustaceana</i> , 1989, 57, 38-50.	0.7	16
105	Ultrastructural Modifications Associated With Pigment Migration in Palaemonid Shrimp Chromatophores (Decapoda, Palaemonidae). <i>Crustaceana</i> , 1987, 53, 113-133.	0.7	24
106	The time course of osmotic regulation in the freshwater shrimp <i>Macrobrachium olfersii</i> (Wiegmann) (Decapoda, Palaemonidae). <i>Journal of Experimental Marine Biology and Ecology</i> , 1987, 107, 245-251.		
107	O ₂ consumption and acute salinity exposure in the freshwater shrimp <i>Macrobrachium olfersii</i> (Wiegmann) (Crustacea:Decapoda): whole animal and tissue respiration. <i>Journal of Experimental Marine Biology and Ecology</i> , 1987, 113, 221-230.		
108	The effect of salinity on respiratory metabolism in selected ontogenetic stages of the freshwater shrimp <i>Macrobrachium olfersii</i> (Decapoda, palaemonidae). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1986, 83, 359-363.		

#	ARTICLE	IF	CITATIONS
109	The Effect of Salinity On the Upper Thermal Limits of Survival and Metamorphosis During Larval Development in <i>Macrobrachium Amazonicum</i> (Heller) (Decapoda, Palaemonidae). <i>Crustaceana</i> , 1986, 50, 231-238.	0.1	19
110	Thermal effects on metabolism in selected ontogenetic stages of the freshwater shrimps <i>macrobrachium olfersii</i> and <i>macrobrachium heterochirus</i> (decapoda, palaemonidae). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1985, 80, 187-190.	0.7	12
111		0.1	4
112	Physiological responses of the early zoeal stages of <i>Palaemon pandaliformis</i> Stimpson and <i>Palaemon northropi</i> (Rankin) to salinity variation. <i>Hydrobiologia</i> , 1984, 113, 165-169.	1.0	4
113	Physiological responses of the early zoeal stages of <i>Palaemon pandaliformis</i> Stimpson and <i>Palaemon northropi</i> (Rankin) to salinity variation. , 1984, , 165-169.		1
114	The effect of salinity on respiratory metabolism, survival and moulting in the first zoea of <i>Macrobrachium amazonicum</i> (Heller) (Crustacea, Palaemonidae). <i>Hydrobiologia</i> , 1983, 101, 239-242.	1.0	39
115	Seasonal variation in abundance of the developmental stages of <i>Euterpina acutifrons</i> (Copepoda:) Tj ETQq1 1 0.784314 rgBT ₉ /Overlook	0.7	
116	Freeze Fracture Study of Pigment Granule Membranes in Shrimp Ventral Nerve Chord Chromatophores. <i>Journal of Crustacean Biology</i> , 1983, 3, 367.	0.3	1
117	Osmoregulation and respiratory metabolism in brazilian <i>Macrobrachium</i> (Decapoda, palaemonidae). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1983, 74, 57-62.	0.7	77
118	Colour Change in the Fiddler Crab <i>Uca Uruguayensis Nobili</i> (Decapoda, Brachyura). <i>Crustaceana</i> , 1983, 45, 48-52.	0.1	5
119	Ultrastructure of Chromatophores From the Fiddler Crabs <i>Uca Rapax</i> (Smith) and <i>Uca Ur Ugua Yensis</i> (Nobili) (Decapoda, Brachyura). <i>Crustaceana</i> , 1983, 44, 301-309.	0.1	11
120	The effect of salinity on the metabolic rates of some palaemonid shrimp larvae. <i>Aquaculture</i> , 1982, 29, 95-100.	1.7	21
121	Pigment biogenesis in freshwater shrimp ventral nerve chord chromatophores. <i>Cell and Tissue Research</i> , 1982, 222, 167-75.	1.5	12
122	The effect of temperature on the respiratory metabolism of selected developmental stages of <i>Emerita brasiliensis schmitt</i> (anomura, hippidae). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1981, 70, 627-629.	0.7	11
123	MORPHOLOGICAL ORGANIZATION OF CRUSTACEAN PIGMENTARY EFFECTORS. <i>Biological Bulletin</i> , 1981, 161, 270-280.	0.7	19
124	RESPIRATORY METABOLISM OFMACROBRACHIUM OLFERSII(WIEGMANN) ZOEAE DURING THE MOULTING CYCLE FROM ECLOSION TO FIRST ECDYSIS. <i>Biological Bulletin</i> , 1980, 159, 692-699.	0.7	20
125	Ultrastructure of the chromatophores of <i>Palaemon affinis</i> Heilprin (crustacea: decapoda). The structural basis of pigment migration. <i>Journal of Experimental Marine Biology and Ecology</i> , 1980, 46, 219-229.	0.7	20
126	Temperature and salinity effects on the respiratory metabolism of the first zoeal stage of <i>Macrobrachium holthuisi</i> Genofre & LobÃ£o (decapoda: Palaemonidae). <i>Journal of Experimental Marine Biology and Ecology</i> , 1980, 47, 141-148.	0.7	17

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127	Ultrastructure of the chromatophores of <i>Palaemon affinis</i> Heilprin (Crustacea, Decapoda). Modifications in the shape of hindgut chromatophores associated with pigment movements. <i>Journal of Experimental Marine Biology and Ecology</i> , 1979, 40, 193-199.	0.7	12