

Ion regulation in fish gills: recent progress in the cellula

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Development of zebrafish epidermis. Birth Defects Research Part C: Embryo Today Reviews, 2011, 93, 205-214.	3.6	79
2	Pharmacological characterisation of apical Na ⁺ and Cl ⁻ transport mechanisms of the anal papillae in the larval mosquito <i>Aedes aegypti</i> . Journal of Experimental Biology, 2011, 214, 3992-3999.	0.8	28
3	New insights into ion regulation of cephalopod molluscs: a role of epidermal ionocytes in acid-base regulation during embryogenesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1700-R1709.	0.9	27
4	Acid secretion by mitochondrion-rich cells of medaka (<i>Oryzias latipes</i>) acclimated to acidic freshwater. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R283-R291.	0.9	34
5	Permeability properties of the teleost gill epithelium under ion-poor conditions. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R727-R739.	0.9	44
6	β ² -Adrenergic regulation of Na ⁺ uptake by larval zebrafish <i>Danio rerio</i> in acidic and ion-poor environments. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R1031-R1041.	0.9	21
7	Rhcg1 and NHE3b are involved in ammonium-dependent sodium uptake by zebrafish larvae acclimated to low-sodium water. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R84-R93.	0.9	102
8	Functional characterization and localization of a gill-specific claudin isoform in Atlantic salmon. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R300-R311.	0.9	19
9	Potassium excretion through ROMK potassium channel expressed in gill mitochondrion-rich cells of Mozambique tilapia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R568-R576.	0.9	35
10	Cortisol regulates Na ⁺ uptake in zebrafish, <i>Danio rerio</i> , larvae via the glucocorticoid receptor. Molecular and Cellular Endocrinology, 2012, 364, 113-125.	1.6	89
11	Structure and function of ionocytes in the freshwater fish gill. Respiratory Physiology and Neurobiology, 2012, 184, 282-292.	0.7	171
12	New insights into gill ionocyte and ion transporter function in euryhaline and diadromous fish. Respiratory Physiology and Neurobiology, 2012, 184, 257-268.	0.7	202
13	Effects of salinity acclimation on Na ⁺ /K ⁺ -ATPase responses and FXD11 expression in the gills and kidneys of the Japanese eel (<i>Anguilla japonica</i>). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, 302-310.	0.8	43
14	Tight junctions, tight junction proteins and paracellular permeability across the gill epithelium of fishes: A review. Respiratory Physiology and Neurobiology, 2012, 184, 269-281.	0.7	173
15	Excretion of cesium and rubidium via the branchial potassium-transporting pathway in Mozambique tilapia. Fisheries Science, 2012, 78, 597-602.	0.7	26
16	Both seawater acclimation and environmental ammonia exposure lead to increases in mRNA expression and protein abundance of Na ⁺ :K ⁺ :2Cl ⁻ cotransporter in the gills of the climbing perch, <i>Anabas testudineus</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 491-506.	0.7	34
17	Cystic fibrosis transmembrane conductance regulator in the gills of the climbing perch, <i>Anabas testudineus</i> , is involved in both hypoosmotic regulation during seawater acclimation and active ammonia excretion during ammonia exposure. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 793-812.	0.7	20
18	Morphological and functional characterization of a novel Na ⁺ /K ⁺ -ATPase-immunoreactive, follicle-like structure on the gill septum of Japanese banded houndshark, <i>Triakis scyllium</i> . Cell and Tissue Research, 2012, 348, 141-153.	1.5	16

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19	Expression of aquaporin 3 in gills of the Atlantic killifish (<i>Fundulus heteroclitus</i>): Effects of seawater acclimation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 320-326.	0.8	44
20	Structures and immunolocalization of Na ⁺ , K ⁺ -ATPase, Na ⁺ /H ⁺ exchanger 3 and vacuolar-type H ⁺ -ATPase in the gills of blennies (Teleostei: Blenniidae) inhabiting rocky intertidal areas. <i>Journal of Fish Biology</i> , 2012, 80, 2236-2252.	0.7	11
21	A proteomics approach reveals divergent molecular responses to salinity in populations of European whitefish (<i>Coregonus lavaretus</i>). <i>Molecular Ecology</i> , 2012, 21, 3516-3530.	2.0	54
22	Ecological proteomics: Finding molecular markers that matter. <i>Molecular Ecology</i> , 2012, 21, 3382-3384.	2.0	11
23	Zebrafish as an animal model to study ion homeostasis. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1233-1247.	1.3	151
24	The effect of predator exposure and reproduction on oxidative stress parameters in the Catarina scallop <i>Argopecten ventricosus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 165, 89-96.	0.8	27
25	The skin of fish as a transport epithelium: a review. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 877-891.	0.7	102
26	The ClC-3 chloride channel and osmoregulation in the European Sea Bass, <i>Dicentrarchus labrax</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 641-662.	0.7	17
27	Transcriptomic and iTRAQ proteomic approaches reveal novel short-term hyperosmotic stress responsive proteins in the gill of the Japanese eel (<i>Anguilla japonica</i>). <i>Journal of Proteomics</i> , 2013, 89, 81-94.	1.2	47
28	CO ₂ -driven seawater acidification differentially affects development and molecular plasticity along life history of fish (<i>Oryzias latipes</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 165, 119-130.	0.8	71
29	Freshwater Acclimation Induces Stress Responses and Expression of Branchial Na ⁺ /K ⁺ -ATPase and Proliferating Cell Nuclear Antigen in <i>Takifugu niphobles</i> . <i>Journal of Experimental Zoology</i> , 2013, 319, 409-421.	1.2	10
30	Digestion in sea urchin larvae impaired under ocean acidification. <i>Nature Climate Change</i> , 2013, 3, 1044-1049.	8.1	126
31	Fish anesthesia: effects of the essential oils of <i>Hesperozygis ringens</i> and <i>Lippia alba</i> on the biochemistry and physiology of silver catfish (<i>Rhamdia quelen</i>). <i>Fish Physiology and Biochemistry</i> , 2014, 40, 701-14.	0.9	68
32	Development in a naturally acidified environment: Na ⁺ /H ⁺ -exchanger 3-based proton secretion leads to CO ₂ tolerance in cephalopod embryos. <i>Frontiers in Zoology</i> , 2013, 10, 51.	0.9	36
33	Compensatory regulation of Na ⁺ absorption by Na ⁺ /H ⁺ exchanger and Na ⁺ -Cl ⁻ cotransporter in zebrafish (<i>Danio rerio</i>). <i>Frontiers in Zoology</i> , 2013, 10, 46.	0.9	43
34	Cortisol promotes differentiation of epidermal ionocytes through Foxi3 transcription factors in zebrafish (<i>Danio rerio</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 164, 249-257.	0.8	50
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36	Evidence for a role of tight junctions in regulating sodium permeability in zebrafish (<i>Danio rerio</i>) acclimated to ion-poor water. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 203-213.	0.7	26

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37	Morphological changes in branchial mitochondria-rich cells of the teleost <i>Paralichthys olivaceus</i> as a potential indicator of CO ₂ impacts. <i>Marine Pollution Bulletin</i> , 2013, 73, 409-415.	2.3	6
38	Effect of low pH exposure on Na ⁺ regulation in two cichlid fish species of the Amazon. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 441-448.	0.8	38
39	Confocal scanning laser microscopy with complementary 3D image analysis allows quantitative studies of functional state of ionoregulatory cells in the Nile tilapia (<i>Oreochromis niloticus</i>) following salinity challenge. <i>Microscopy Research and Technique</i> , 2013, 76, 412-418.	1.2	5
40	Structural differentiation of apical openings in active mitochondria-rich cells during early life stages of Nile tilapia (<i>Oreochromis niloticus</i> L.) as a response to osmotic challenge. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 1101-1114.	0.9	3
41	Rhcg1 and Rhbg mediate ammonia excretion by ionocytes and keratinocytes in the skin of zebrafish larvae: H ⁺ -ATPase-linked active ammonia excretion by ionocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R1130-R1138.	0.9	33
42	Proton-facilitated ammonia excretion by ionocytes of medaka (<i>Oryzias latipes</i>) acclimated to seawater. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R242-R251.	0.9	30
43	Characterization of Na ⁺ uptake in the endangered desert pupfish, <i>Cyprinodon macularius</i> (Baird and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		
44	Seawater acclimation and inositol monophosphatase isoform expression in the European eel (<i>Anguilla anguilla</i>) and Nile tilapia (<i>Oreochromis niloticus</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R369-R384.	0.9	13
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46	Branchial Na ⁺ :K ⁺ :2Cl ⁻ cotransporter 1 and Na ⁺ /K ⁺ -ATPase α -subunit in a brackish water-type ionocyte of the euryhaline freshwater white-rimmed stingray, <i>Himantura signifer</i> . <i>Frontiers in Physiology</i> , 2013, 4, 362.	1.3	16
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48	Claudins in teleost fishes. <i>Tissue Barriers</i> , 2013, 1, e25391.	1.6	92
49	Close Association of Carbonic Anhydrase (CA2a and CA15a), Na ⁺ /H ⁺ Exchanger (Nhe3b), and Ammonia Transporter Rhcg1 in Zebrafish Ionocytes Responsible for Na ⁺ Uptake. <i>Frontiers in Physiology</i> , 2013, 4, 59.	1.3	56
50	Annotated genes and nonannotated genomes: cross-species use of Gene Ontology in ecology and evolution research. <i>Molecular Ecology</i> , 2013, 22, 3216-3241.	2.0	77
51	Early Response of Protein Quality Control in Gills Is Associated with Survival of Hypertonic Shock in Mozambique tilapia. <i>PLoS ONE</i> , 2013, 8, e63112.	1.1	11
52	Expression of Key Ion Transporters in the Gill and Esophageal-Gastrointestinal Tract of Euryhaline Mozambique Tilapia <i>Oreochromis mossambicus</i> Acclimated to Fresh Water, Seawater and Hypersaline Water. <i>PLoS ONE</i> , 2014, 9, e87591.	1.1	51
53	Diverse mechanisms for body fluid regulation in teleost fishes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R778-R792.	0.9	100
54	Acid-sensing ion channels are involved in epithelial Na ⁺ uptake in the rainbow trout (<i>Oncorhynchus mykiss</i>). <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C255-C265.	2.1	65

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55	Lack of hormonal stimulation prevents the landlocked Biwa salmon (<i>Oncorhynchus masou</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 747 T Comparative Physiology, 2014, 307, R414-R425.	0.9	5
56	Functional roles of Na ⁺ /K ⁺ -ATPase in active ammonia excretion and seawater acclimation in the giant mudskipper, <i>Periophthalmodon schlosseri</i> . <i>Frontiers in Physiology</i> , 2014, 5, 158.	1.3	21
57	Gene expression and cellular localization of ROMKs in the gills and kidney of Mozambique tilapia acclimated to fresh water with high potassium concentration. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1303-R1312.	0.9	18
58	Na ⁺ /H ⁺ and Na ⁺ /NH ₄ ⁺ exchange activities of zebrafish NHE3b expressed in <i>Xenopus</i> oocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R315-R327.	0.9	31
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60	Calcium-Sensing Receptor Mediates Ca ²⁺ Homeostasis by Modulating Expression of PTH and Stanniocalcin. <i>Endocrinology</i> , 2014, 155, 56-67.	1.4	50
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62	Discovery of osmotic sensitive transcription factors in fish intestine via a transcriptomic approach. <i>BMC Genomics</i> , 2014, 15, 1134.	1.2	43
63	Differential transcriptomic analyses revealed genes and signaling pathways involved in iono-osmoregulation and cellular remodeling in the gills of euryhaline Mozambique tilapia, <i>Oreochromis mossambicus</i> . <i>BMC Genomics</i> , 2014, 15, 921.	1.2	66
64	The role of osmotic stress transcription factor 1 in fishes. <i>Frontiers in Zoology</i> , 2014, 11, 86.	0.9	17
65	±-ENaC in bullfrog embryo: expression in cement gland, gills and skin. <i>Cell and Tissue Research</i> , 2014, 355, 103-109.	1.5	0
66	Medaka villin 1-like protein (VILL) is associated with the formation of microvilli induced by decreasing salinities in the absorptive ionocytes. <i>Frontiers in Zoology</i> , 2014, 11, 2.	0.9	4
67	The role of cAMP-mediated intracellular signaling in regulating Na ⁺ uptake in zebrafish larvae. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R51-R60.	0.9	9
68	Salinity acclimation enhances salinity tolerance in tadpoles living in brackish water through increased Na ⁺ , K ⁺ -ATPase expression. <i>Journal of Experimental Zoology</i> , 2014, 321, 57-64.	1.2	50
69	Branchial NH ₄ ⁺ -dependent acid-base transport mechanisms and energy metabolism of squid (<i>Sepioteuthis lessoniana</i>) affected by seawater acidification. <i>Frontiers in Zoology</i> , 2014, 11, .	0.9	29
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71	A new model for fish ion regulation: identification of ionocytes in freshwater- and seawater-acclimated medaka (<i>Oryzias latipes</i>). <i>Cell and Tissue Research</i> , 2014, 357, 225-243.	1.5	105
72	Exploration of the mechanisms of protein quality control and osmoregulation in gills of <i>Chromis viridis</i> in response to reduced salinity. <i>Fish Physiology and Biochemistry</i> , 2014, 40, 1533-1546.	0.9	9

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74	Involvement of the calcium-sensing receptor in calcium homeostasis in larval zebrafish exposed to low environmental calcium. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R211-R221.	0.9	28
75	Angiotensin-II promotes Na ⁺ uptake in larval zebrafish, <i>Danio rerio</i> , in acidic and ion-poor water. <i>Journal of Endocrinology</i> , 2014, 220, 195-205.	1.2	38
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82	Transcriptomic analysis reveals specific osmoregulatory adaptive responses in gill mitochondria-rich cells and pavement cells of the Japanese eel. <i>BMC Genomics</i> , 2015, 16, 1072.	1.2	28
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84	A Time Differential Staining Technique Coupled with Full Bilateral Gill Denervation to Study Ionocytes in Fish. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	1
85	Molecular Physiology of an Extra-renal Cl ⁻ Uptake Mechanism for Body Fluid Cl ⁻ Homeostasis. <i>International Journal of Biological Sciences</i> , 2015, 11, 1190-1203.	2.6	30
86	Induction of Phosphoenolpyruvate Carboxykinase (PEPCK) during Acute Acidosis and Its Role in Acid Secretion by V-ATPase-Expressing Ionocytes. <i>International Journal of Biological Sciences</i> , 2015, 11, 712-725.	2.6	15
87	Stanniocalcin-1 Controls Ion Regulation Functions of Ion-transporting Epithelium Other than Calcium Balance. <i>International Journal of Biological Sciences</i> , 2015, 11, 122-132.	2.6	33
88	Transcriptome Profiling and Molecular Pathway Analysis of Genes in Association with Salinity Adaptation in Nile Tilapia <i>Oreochromis niloticus</i> . <i>PLoS ONE</i> , 2015, 10, e0136506.	1.1	85
89	Aquaporin 1 Is Involved in Acid Secretion by Ionocytes of Zebrafish Embryos through Facilitating CO ₂ Transport. <i>PLoS ONE</i> , 2015, 10, e0136440.	1.1	20
90	Transcriptomic Analysis of Trout Gill Ionocytes in Fresh Water and Sea Water Using Laser Capture Microdissection Combined with Microarray Analysis. <i>PLoS ONE</i> , 2015, 10, e0139938.	1.1	25
91	Cortisol Regulates Acid Secretion of H ⁺ -ATPase-rich Ionocytes in Zebrafish (<i>Danio rerio</i>) Embryos. <i>Frontiers in Physiology</i> , 2015, 6, 328.	1.3	27

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92	Development of gas exchange and ion regulation in two species of air-breathing fish, <i>Betta splendens</i> and <i>Macropodus opercularis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 185, 24-32.	0.8	3
93	Renin expression in developing zebrafish is associated with angiogenesis and requires the Notch pathway and endothelium. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F531-F539.	1.3	38
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96	Hypo-osmotic stress-induced physiological and ion-osmoregulatory responses in European sea bass (<i>Dicentrarchus labrax</i>) are modulated differentially by nutritional status. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 181, 87-99.	0.8	29
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101	The inner opercular membrane of the euryhaline teleost: a useful surrogate model for comparisons of different characteristics of ionocytes between seawater- and freshwater-acclimated medaka. <i>Histochemistry and Cell Biology</i> , 2015, 143, 69-81.	0.8	11
102	Profiles of circulating insulin-like growth factor-I during smoltification of masu salmon reared under different conditions. <i>Fisheries Science</i> , 2015, 81, 643-652.	0.7	3
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104	Comparisons of two types of teleostean pseudobranchs, silver moony (<i>Monodactylus argenteus</i>) and tilapia (<i>Oreochromis mossambicus</i>), with salinity-dependent morphology and ion transporter expression. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2015, 185, 677-693.	0.7	6
105	Environmental salinity and osmoregulatory processes in cultured flatfish. <i>Aquaculture Research</i> , 2015, 46, 10-29.	0.9	17
106	Characterization of stanniocalcin 1 binding and signaling in gill cells of Japanese eels. <i>Journal of Molecular Endocrinology</i> , 2015, 54, 305-314.	1.1	5
107	Morphological and molecular investigations of the holocephalan elephant fish nephron: the existence of a countercurrent-like configuration and two separate diluting segments in the distal tubule. <i>Cell and Tissue Research</i> , 2015, 362, 677-688.	1.5	14
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109	Ammonia exposure increases the expression of Na ⁺ :K ⁺ :2Cl ⁻ cotransporter 1a in the gills of the giant mudskipper, <i>Periophthalmodon schlosseri</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2015, 185, 57-72.	0.7	14

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110	A role for transcription factor glial cell missing 2 in Ca ²⁺ homeostasis in zebrafish, <i>Danio rerio</i> . <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 753-765.	1.3	19
111	Hydrogen sulfide inhibits Na ⁺ uptake in larval zebrafish, <i>Danio rerio</i> . <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 651-664.	1.3	11
112	Fortification of an Aquafeed with Potassium Chloride Does Not Improve Survival of Juvenile Australian Snapper <i>Pagrus auratus</i> Reared in Potassium Deficient Saline Groundwater. <i>Fishes</i> , 2016, 1, 52-64.	0.7	3
113	The Control of Calcium Metabolism in Zebrafish (<i>Danio rerio</i>). <i>International Journal of Molecular Sciences</i> , 2016, 17, 1783.	1.8	50
114	Comparison of Integrated Responses to Nonlethal and Lethal Hypothermal Stress in Milkfish (<i>Chanos</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	17
115	Strong Ion Regulatory Abilities Enable the Crab <i>Xenograpsus testudinatus</i> to Inhabit Highly Acidified Marine Vent Systems. <i>Frontiers in Physiology</i> , 2016, 7, 14.	1.3	18
117	Responses to simulated winter conditions differ between threespine stickleback ecotypes. <i>Molecular Ecology</i> , 2016, 25, 764-775.	2.0	19
118	Microtubuleâ€dependent changes in morphology and localization of chloride transport proteins in gill mitochondriaâ€rich cells of the tilapia, <i>Oreochromis mossambicus</i> . <i>Journal of Morphology</i> , 2016, 277, 1113-1122.	0.6	1
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120	Inhibition of calcium uptake during hypoxia in developing zebrafish, <i>Danio rerio</i> , is mediated by hypoxia-inducible factor. <i>Journal of Experimental Biology</i> , 2016, 219, 3988-3995.	0.8	5
121	An emerging role for gasotransmitters in the control of breathing and ionic regulation in fish. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 145-159.	0.7	19
122	Prolactin and cortisol mediate the maintenance of hyperosmoregulatory ionocytes in gills of Mozambique tilapia: Exploring with an improved gill incubation system. <i>General and Comparative Endocrinology</i> , 2016, 232, 151-159.	0.8	16
123	A model system using confocal fluorescence microscopy for examining real-time intracellular sodium ion regulation. <i>Analytical Biochemistry</i> , 2016, 507, 40-46.	1.1	4
124	A Stenohaline Medaka, <i>Oryzias woworae</i> , Increases Expression of Gill Na ⁺ , K ⁺ -ATPase and Na ⁺ , K ⁺ , 2Cl ⁻ Cotransporter 1 to Tolerate Osmotic Stress. <i>Zoological Science</i> , 2016, 33, 414.	0.3	9
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126	Salt secretion is linked to acid-base regulation of ionocytes in seawater-acclimated medaka: new insights into the salt-secreting mechanism. <i>Scientific Reports</i> , 2016, 6, 31433.	1.6	22
127	Intestinal Na ⁺ , K ⁺ , 2Cl ⁻ cotransporter 2 plays a crucial role in hyperosmotic transitions of a euryhaline teleost. <i>Physiological Reports</i> , 2016, 4, e13028.	0.7	26
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130	Trade-offs between salinity preference and antipredator behaviour in the euryhaline sailfin molly <i>Poecilia latipinna</i> . <i>Journal of Fish Biology</i> , 2016, 88, 1918-1931.	0.7	8
131	Adaptive alterations on gill Na ⁺ , K ⁺ -ATPase activity and mitochondrion-rich cells of juvenile <i>Acipenser sinensis</i> acclimated to brackish water. <i>Fish Physiology and Biochemistry</i> , 2016, 42, 749-756.	0.9	1
132	The influence of dissolved organic matter (DOM) on sodium regulation and nitrogenous waste excretion in the zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2016, 219, 2289-99.	0.8	12
133	The influence of heart developmental anatomy on cardiotoxicity-based adverse outcome pathways in fish. <i>Aquatic Toxicology</i> , 2016, 177, 515-525.	1.9	121
134	Local adaptation to osmotic environment in killifish, <i>Fundulus heteroclitus</i> , is supported by divergence in swimming performance but not by differences in excess post-exercise oxygen consumption or aerobic scope. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 196, 11-19.	0.8	29
135	Adjustments of molecular key components of branchial ion and pH regulation in Atlantic cod (<i>Gadus</i>). <i>Biochemistry and Molecular Biology</i> , 2016, 193, 33-46.	0.7	26
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138	FXD11 mediated modulation of Na ⁺ /K ⁺ -ATPase activity in gills of the brackish medaka (<i>Oryzias dancena</i>) when transferred to hypoosmotic or hyperosmotic environments. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 194, 19-26.	0.8	19
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142	Mechanisms of nickel toxicity to fish and invertebrates in marine and estuarine waters. <i>Environmental Pollution</i> , 2017, 223, 311-322.	3.7	83
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144	Kidney morphology and candidate gene expression shows plasticity in sticklebacks adapted to divergent osmotic environments. <i>Journal of Experimental Biology</i> , 2017, 220, 2175-2186.	0.8	36
145	Molecular mechanisms underlying active desalination and low water permeability in the esophagus of eels acclimated to seawater. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R231-R244.	0.9	19
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