

Yuen K Ip

List of Publications by Year in descending order

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227
papers

5,718
citations

76326

40
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138484

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228
all docs

228
docs citations

228
times ranked

2873
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia production, excretion, toxicity, and defense in fish: a review. <i>Frontiers in Physiology</i> , 2010, 1, 134.	2.8	286
2	Nitrogen metabolism in the African lungfish (<i>Protopterus dolloi</i>) aestivating in a mucus cocoon on land. <i>Journal of Experimental Biology</i> , 2004, 207, 777-786.	1.7	116
3	Environmental ammonia exposure induces oxidative stress in gills and brain of <i>Boleophthalmus boddarti</i> (mudskipper). <i>Aquatic Toxicology</i> , 2009, 95, 203-212.	4.0	111
4	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 1998, 19, 59-69.	2.3	91
5	Five Tropical Air-Breathing Fishes, Six Different Strategies to Defend against Ammonia Toxicity on Land. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 768-782.	1.5	90
6	Excretory nitrogen metabolism and defence against ammonia toxicity in air-breathing fishes. <i>Journal of Fish Biology</i> , 2014, 84, 603-638.	1.6	82
7	A Comparative Study of Terrestrial Adaptations of the Gills in Three Mudskippers— <i>Periophthalmus chrysopilus</i> , <i>Boleophthalmus boddarti</i> , and <i>Periophthalmodon schlosseri</i> . <i>Biological Bulletin</i> , 1988, 175, 434-434.	1.8	78
8	Chronic and acute ammonia toxicity in mudskippers, <i>Periophthalmodon schlosseri</i> and <i>Boleophthalmus boddarti</i> : brain ammonia and glutamine contents, and effects of methionine sulfoximine and MK801. <i>Journal of Experimental Biology</i> , 2005, 208, 1993-2004.	1.7	77
9	Urea synthesis in the African lungfish <i>Protopterus dolloi</i> -hepatic carbamoyl phosphate synthetase III and glutamine synthetase are upregulated by 6 days of aerial exposure. <i>Journal of Experimental Biology</i> , 2003, 206, 3615-3624.	1.7	76
10	Strategies for Surviving High Concentrations of Environmental Ammonia in the Swamp Eel <i>Monopterus albus</i> . <i>Physiological and Biochemical Zoology</i> , 2004, 77, 390-405.	1.5	76
11	Increases in apoptosis, caspase activity and expression of p53 and bax, and the transition between two types of mitochondrion-rich cells, in the gills of the climbing perch, <i>Anabas testudineus</i> , during a progressive acclimation from freshwater to seawater. <i>Frontiers in Physiology</i> , 2013, 4, 135.	2.8	74
12	NO modulation of myocardial performance in fish hearts. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2005, 142, 164-177.	1.8	73
13	Metabolic adjustments in the common carp during prolonged hypoxia. <i>Journal of Fish Biology</i> , 2000, 57, 1160-1171.	1.6	70
14	The swamp eel <i>Monopterus albus</i> reduces endogenous ammonia production and detoxifies ammonia to glutamine during 144 h of aerial exposure. <i>Journal of Experimental Biology</i> , 2003, 206, 2473-2486.	1.7	70
15	The sleeper <i>Bostrichthys sinensis</i> (Family Eleotridae) stores glutamine and reduces ammonia production during aerial exposure. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2001, 171, 357-367.	1.5	68
16	The accumulation of methylamine counteracting solutes in elasmobranchs with differing levels of urea: a comparison of marine and freshwater species. <i>Journal of Experimental Biology</i> , 2006, 209, 860-870.	1.7	67
17	Control of breathing in African lungfish (<i>Protopterus dolloi</i>): A comparison of aquatic and cocooned (terrestrialized) animals. <i>Respiratory Physiology and Neurobiology</i> , 2008, 160, 8-17.	1.6	66
18	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.	2.8	66

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19	Some properties of calcium-activated adenosine triphosphatase from the hermatypic coral <i>Galaxea fascicularis</i> . <i>Marine Biology</i> , 1991, 111, 191-197.	1.5	64
20	The osmotic response of the Asian freshwater stingray (<i>Himantura signifer</i>) to increased salinity: a comparison with marine (<i>Taeniura lymma</i>) and Amazonian freshwater (<i>Potamotrygon</i>) Tj ETQq0 0 0 rgBT /Overlock170 Tf 50 697 Td (mo	1.7	58
21	The Loach <i>Misgurnus anguillicaudatus</i> Reduces Amino Acid Catabolism and Accumulates Alanine and Glutamine during Aerial Exposure. <i>Physiological and Biochemical Zoology</i> , 2001, 74, 226-237.	1.5	60
22	Ornithine-urea cycle and urea synthesis in African lungfishes, <i>Protopterus aethiopicus</i> and <i>Protopterus annectens</i> , exposed to terrestrial conditions for six days. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 354-365.	1.3	59
23	Differential NOS expression in freshwater and aestivating <i>Protopterus dolloi</i> (lungfish): Heart vs kidney readjustments. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 18, 1-10.	2.7	59
24	The giant mudskipper <i>Periophthalmodon schlosseri</i> facilitates active NH ₄ ⁺ excretion by increasing acid excretion and decreasing NH ₃ permeability in the skin. <i>Journal of Experimental Biology</i> , 2004, 207, 787-801.	1.7	58
25	The African Lungfish (<i>Protopterus dolloi</i>): Ionoregulation and Osmoregulation in a Fish out of Water. <i>Physiological and Biochemical Zoology</i> , 2007, 80, 99-112.	1.5	56
26	Nitrogen Metabolism and Excretion in the Swamp Eel, <i>Monopterus albus</i> , during 6 or 40 Days of Estivation in Mud. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 620-629.	1.5	53
27	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.	2.5	51
28	The Whitish Inner Mantle of the Giant Clam, <i>Tridacna squamosa</i> , Expresses an Apical Plasma Membrane Ca ²⁺ -ATPase (PMCA) Which Displays Light-Dependent Gene and Protein Expressions. <i>Frontiers in Physiology</i> , 2017, 8, 781.	2.8	51
29	Carbohydrate and amino acid metabolism in fasting and aestivating African lungfish (<i>Protopterus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	49
30	Defences against ammonia toxicity in tropical air-breathing fishes exposed to high concentrations of environmental ammonia: a review. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2004, 174, 565-75.	1.5	48
31	Active ammonia transport and excretory nitrogen metabolism in the climbing perch, <i>Anabas testudineus</i> , during 4 days of emersion or 10 minutes of forced exercise on land. <i>Journal of Experimental Biology</i> , 2006, 209, 4475-4489.	1.7	47
32	Alkaline Environmental pH Has No Effect on Ammonia Excretion in the Mudskipper <i>Periophthalmodon schlosseri</i> but Inhibits Ammonia Excretion in the Related Species <i>Boleophthalmus boddarti</i> . <i>Physiological and Biochemical Zoology</i> , 2003, 76, 204-214.	1.5	46
33	Partial amino acid catabolism leading to the formation of alanine in <i>Periophthalmodon schlosseri</i> (mudskipper): a strategy that facilitates the use of amino acids as an energy source during locomotory activity on land. <i>Journal of Experimental Biology</i> , 2001, 204, 1615-24.	1.7	46
34	African Sharptooth Catfish <i>Clarias gariepinus</i> Does Not Detoxify Ammonia to Urea or Amino Acids but Actively Excretes Ammonia during Exposure to Environmental Ammonia. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 242-254.	1.5	45
35	Air-breathing and excretory nitrogen metabolism in fishes. <i>Acta Histochemica</i> , 2018, 120, 680-690.	1.8	45
36	The snakehead <i>Channa asiatica</i> accumulates alanine during aerial exposure, but is incapable of sustaining locomotory activities on land through partial amino acid catabolism. <i>Journal of Experimental Biology</i> , 2003, 206, 693-704.	1.7	44

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37	An investigation of the role of carbonic anhydrase in aquatic and aerial gas transfer in the African lungfish <i>Protopterus dolloi</i> . <i>Journal of Experimental Biology</i> , 2005, 208, 3805-3815.	1.7	44
38	Ammonia as a respiratory gas in water and air-breathing fishes. <i>Respiratory Physiology and Neurobiology</i> , 2006, 154, 216-225.	1.6	44
39	Identification and distribution of neuronal nitric oxide synthase and neurochemical markers in the neuroepithelial cells of the gill and the skin in the giant mudskipper, <i>Periophthalmodon schlosseri</i> . <i>Zoology</i> , 2017, 125, 41-52.	1.2	44
40	Circulating Catecholamines and Cardiorespiratory Responses in Hypoxic Lungfish (<i>Protopterus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 325-334.	1.5	43
41	Free amino acids and energy metabolism in eggs and larvae of seabass, <i>Lates calcarifer</i> . <i>Marine Biology</i> , 1998, 131, 695-702.	1.5	41
42	Air Breathing and Ammonia Excretion in the Giant Mudskipper, <i>Periophthalmodon schlosseri</i> . <i>Physiological and Biochemical Zoology</i> , 2004, 77, 783-788.	1.5	41
43	Ammonia toxicity and tolerance in the brain of the African sharptooth catfish, <i>Clarias gariepinus</i> . <i>Aquatic Toxicology</i> , 2007, 82, 204-213.	4.0	41
44	Roles of three branchial Na ⁺ -K ⁺ -ATPase α -subunit isoforms in freshwater adaptation, seawater acclimation, and active ammonia excretion in <i>Anabas testudineus</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R112-R125.	1.8	41
45	Incorporation of strontium (90Sr ²⁺) into the skeleton of the hermatypic coral <i>Galaxea fascicularis</i> . <i>The Journal of Experimental Zoology</i> , 1991, 258, 273-276.	1.4	40
46	Greatly Elevated Urea Excretion after Air Exposure Appears to Be Carrier Mediated in the Slender Lungfish (<i>Protopterus dolloi</i>). <i>Physiological and Biochemical Zoology</i> , 2005, 78, 893-907.	1.5	40
47	A light-dependent ammonia-assimilating mechanism in the ctenidia of a giant clam. <i>Coral Reefs</i> , 2017, 36, 311-323.	2.2	40
48	Carbonic anhydrase α -like in the giant clam, <i>Tridacna squamosa</i> : characterization, localization, response to light, and possible role in the transport of inorganic carbon from the host to its symbionts. <i>Physiological Reports</i> , 2017, 5, e13494.	1.7	40
49	Differential gene expression in the liver of the African lungfish, <i>Protopterus annectens</i> , after 6 days of aestivation in air. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 231-245.	1.5	39
50	Increased urea synthesis and/or suppressed ammonia production in the African lungfish, <i>Protopterus annectens</i> , during aestivation in air or mud. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 351-363.	1.5	38
51	The interplay of increased urea synthesis and reduced ammonia production in the African lungfish <i>Protopterus aethiopicus</i> during 46 days of aestivation in a mucus cocoon. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 1054-1065.	1.3	37
52	Light Induces an Increase in the pH of and a Decrease in the Ammonia Concentration in the Extrapallial Fluid of the Giant Clam <i>Tridacna squamosa</i> . <i>Physiological and Biochemical Zoology</i> , 2006, 79, 656-664.	1.5	37
53	Lipid, ketone body and oxidative metabolism in the African lungfish, <i>Protopterus dolloi</i> following 60 days of fasting and aestivation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 151, 93-101.	1.8	37
54	Light induces changes in activities of Na ⁺ /K ⁺ -ATPase, H ⁺ /K ⁺ -ATPase and glutamine synthetase in tissues involved directly or indirectly in light-enhanced calcification in the giant clam, <i>Tridacna squamosa</i> . <i>Frontiers in Physiology</i> , 2015, 6, 68.	2.8	37

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55	Changes in tissue free amino acid contents, branchial Na ⁺ /K ⁺ -ATPase activity and bimodal breathing pattern in the freshwater climbing perch, <i>Anabas testudineus</i> (Bloch), during seawater acclimation. <i>Journal of Experimental Zoology</i> , 2007, 307A, 708-723.	1.2	36
56	Light-dependent expression of a Na ⁺ /H ⁺ exchanger 3-like transporter in the ctenidium of the giant clam, <i>Tridacna squamosa</i> , can be related to increased H ⁺ excretion during light-enhanced calcification. <i>Physiological Reports</i> , 2017, 5, e13209.	1.7	35
57	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> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 491-506.	1.5	34
58	Molecular characterization, light-dependent expression, and cellular localization of a host vacuolar-type H ⁺ -ATPase (VHA) subunit A in the giant clam, <i>Tridacna squamosa</i> , indicate the involvement of the host VHA in the uptake of inorganic carbon and its supply to the symbiotic zooxanthellae. <i>Gene</i> , 2018, 659, 137-148.	2.2	34
59	Effect of fasting on glycogen metabolism and activities of glycolytic and gluconeogenic enzymes in the mudskipper <i>Boleophthalmus boddarti</i> . <i>Journal of Fish Biology</i> , 1989, 34, 349-367.	1.6	33
60	Ventricle and outflow tract of the African lungfish <i>Protopterus dolloi</i> . <i>Journal of Morphology</i> , 2005, 265, 43-51.	1.2	33
61	Nitrogen Excretion And Defense Against Ammonia Toxicity. <i>Fish Physiology</i> , 2005, 21, 307-395.	0.8	33
62	Metabolic organization of freshwater, euryhaline, and marine elasmobranchs: implications for the evolution of energy metabolism in sharks and rays. <i>Journal of Experimental Biology</i> , 2006, 209, 2495-2508.	1.7	33
63	Active Ammonia excretion in the giant mudskipper, <i>Periophthalmodon schlosseri</i> (Pallas), during emersion. <i>Journal of Experimental Zoology</i> , 2007, 307A, 357-369.	1.2	33
64	The structural characteristics of the heart ventricle of the African lungfish <i>Protopterus dolloi</i> : freshwater and aestivation. <i>Journal of Anatomy</i> , 2008, 213, 106-119.	1.5	31
65	Light-enhanced expression of Carbonic Anhydrase 4-like supports shell formation in the fluted giant clam <i>Tridacna squamosa</i> . <i>Gene</i> , 2019, 683, 101-112.	2.2	31
66	Renal Corpuscle of the African Lungfish <i>Protopterus dolloi</i> : Structural and Histochemical Modifications During Aestivation. <i>Anatomical Record</i> , 2008, 291, 1156-1172.	1.4	30
67	Nitrogen Metabolism and Excretion During Aestivation. <i>Progress in Molecular and Subcellular Biology</i> , 2010, 49, 63-94.	1.6	30
68	Signal molecule changes in the gills and lungs of the African lungfish <i>Protopterus annectens</i> , during the maintenance and arousal phases of aestivation. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 44, 71-80.	2.7	30
69	Light exposure enhances urea absorption in the fluted giant clam, <i>Tridacna squamosa</i> , and up-regulates the protein abundance of a light-dependent urea active transporter, DUR3-like, in its ctenidium. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	30
70	Dogmas and controversies in the handling of nitrogenous wastes: Ammonia tolerance in the oriental weatherloach <i>Misgurnus anguillicaudatus</i> . <i>Journal of Experimental Biology</i> , 2004, 207, 1977-1983.	1.7	29
71	The crab-eating frog, <i>Rana cancrivora</i> , up-regulates hepatic carbamoyl phosphate synthetase I activity and tissue osmolyte levels in response to increased salinity. <i>The Journal of Experimental Zoology</i> , 2004, 301A, 559-568.	1.4	29
72	Microanatomy and ultrastructure of the kidney of the African lungfish <i>Protopterus dolloi</i> . <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2006, 288A, 609-625.	2.0	29

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73	Mechanisms of acid-base regulation in the African lungfish <i>Protopterus annectens</i> . <i>Journal of Experimental Biology</i> , 2007, 210, 1944-1959.	1.7	29
74	Profiling Teacher/Teaching Using Descriptors Derived from Qualitative Feedback: Formative and Summative Applications. <i>Research in Higher Education</i> , 2009, 50, 73-100.	1.7	29
75	Molecular characterization and mRNA expression of carbamoyl phosphate synthetase III in the liver of the African lungfish, <i>Protopterus annectens</i> , during aestivation or exposure to ammonia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 367-379.	1.5	29
76	The African Lungfish, <i>Protopterus dolloi</i> , Detoxifies Ammonia to Urea during Environmental Ammonia Exposure. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 31-39.	1.5	28
77	Strategies Adopted by the Mudskipper <i>Boleophthalmus boddarti</i> to Survive Sulfide Exposure in Normoxia or Hypoxia. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 824-837.	1.5	27
78	Glutamine accumulation and up-regulation of glutamine synthetase activity in the swamp eel, <i>Monopterus albus</i> (Zuiew), exposed to brackish water. <i>Journal of Experimental Biology</i> , 2009, 212, 1248-1258.	1.7	27
79	The freshwater Amazonian stingray, <i>Potamotrygon motoro</i> , up-regulates glutamine synthetase activity and protein abundance, and accumulates glutamine when exposed to brackish (15‰) water. <i>Journal of Experimental Biology</i> , 2009, 212, 3828-3836.	1.7	26
80	Na ⁺ , K ⁺ and volume regulation in the mudskipper, <i>Periophthalmus chrysospilos</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1987, 87, 439-448.	0.6	25
81	Postprandial increases in nitrogenous excretion and urea synthesis in the giant mudskipper <i>Periophthalmodon schlosseri</i> . <i>Journal of Experimental Biology</i> , 2004, 207, 3015-3023.	1.7	25
82	The Alimentary Canal of the African Lungfish <i>Protopterus annectens</i> During Aestivation and After Arousal. <i>Anatomical Record</i> , 2012, 295, 60-72.	1.4	25
83	Nitric oxide synthase-dependent On/Off-switch and apoptosis in freshwater and aestivating lungfish, <i>Protopterus annectens</i> : Skeletal muscle versus cardiac muscle. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 32, 1-12.	2.7	25
84	The inner mantle of the giant clam, <i>Tridacna squamosa</i> , expresses a basolateral Na ⁺ /K ⁺ -ATPase β -subunit, which displays light-dependent gene and protein expression along the shell-facing epithelium. <i>PLoS ONE</i> , 2017, 12, e0186865.	2.5	25
85	Molecular Characterization of a Dual Domain Carbonic Anhydrase From the Ctenidium of the Giant Clam, <i>Tridacna squamosa</i> , and Its Expression Levels After Light Exposure, Cellular Localization, and Possible Role in the Uptake of Exogenous Inorganic Carbon. <i>Frontiers in Physiology</i> , 2018, 9, 281.	2.8	25
86	Defense against environmental ammonia toxicity in the African lungfish, <i>Protopterus aethiopicus</i> : Bimodal breathing, skin ammonia permeability and urea synthesis. <i>Aquatic Toxicology</i> , 2007, 85, 76-86.	4.0	24
87	Effects of hypoxia on the energy status and nitrogen metabolism of African lungfish during aestivation in a mucus cocoon. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 853-865.	1.5	24
88	Deposition of calcium (⁴⁵ Ca ²⁺) in the coral, <i>Galaxea fascicularis</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1989, 94, 509-513.	0.6	23
89	Biochemical adaptations of the mudskipper <i>Boleophthalmus boddarti</i> to a lack of oxygen. <i>Marine Biology</i> , 1992, 112, 567-571.	1.5	23
90	Increases in urea synthesis and the ornithine-urea cycle capacity in the giant African snail, <i>Achatina fulica</i> , during fasting or aestivation, or after the injection with ammonium chloride. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 1040-1053.	1.3	23

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91	Heart inflow tract of the African lungfish <i>Protopterus dolloi</i> . <i>Journal of Morphology</i> , 2005, 263, 30-38.	1.2	23
92	Postprandial nitrogen metabolism and excretion in juvenile marble goby, <i>Oxyeleotris marmorata</i> (Bleeker, 1852). <i>Aquaculture</i> , 2008, 284, 260-267.	3.5	23
93	Roles of intestinal glutamate dehydrogenase and glutamine synthetase in environmental ammonia detoxification in the euryhaline four-eyed sleeper, <i>Bostrychus sinensis</i> . <i>Aquatic Toxicology</i> , 2010, 98, 91-98.	4.0	23
94	Exposure to brackish water, upon feeding, leads to enhanced conservation of nitrogen and increased urea synthesis and retention in the Asian freshwater stingray <i>Himantura signifer</i> . <i>Journal of Experimental Biology</i> , 2006, 209, 484-492.	1.7	22
95	Upregulation of intracellular antioxidant enzymes in brain and heart during estivation in the African lungfish <i>Protopterus dolloi</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 361-369.	1.5	22
96	Nitrogen metabolism and excretion in the aquatic chinese soft-shelled turtle, <i>Pelodiscus sinensis</i> , exposed to a progressive increase in ambient salinity. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 995-1009.	1.3	21
97	Nitrogen metabolism and branchial osmoregulatory acclimation in the juvenile marble goby, <i>Oxyeleotris marmorata</i> , exposed to seawater. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 154, 360-369.	1.8	21
98	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.	2.8	21
99	Molecular Characterization of Branchial aquaporin 1aa and Effects of Seawater Acclimation, Emersion or Ammonia Exposure on Its mRNA Expression in the Gills, Gut, Kidney and Skin of the Freshwater Climbing Perch, <i>Anabas testudineus</i> . <i>PLoS ONE</i> , 2013, 8, e61163.	2.5	21
100	Changes in salinity and ionic compositions can act as environmental signals to induce a reduction in ammonia production in the African lungfish <i>Protopterus dolloi</i> . <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 456-463.	1.3	20
101	Effects of intra-peritoneal injection with NH ₄ Cl, urea, or NH ₄ Cl+urea on nitrogen excretion and metabolism in the African lungfish <i>Protopterus dolloi</i> . <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 272-282.	1.3	20
102	Increased gene expression of a facilitated diffusion urea transporter in the skin of the African lungfish (<i>Protopterus annectens</i>) during massively elevated post-terrestrialization urea excretion. <i>Journal of Experimental Biology</i> , 2009, 212, 1202-1211.	1.7	20
103	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. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 793-812.	1.5	20
104	Differential Gene Expression in the Brain of the African Lungfish, <i>Protopterus annectens</i> , after Six Days or Six Months of Aestivation in Air. <i>PLoS ONE</i> , 2013, 8, e71205.	2.5	20
105	Phototrophic potential and form II ribulose-1,5-bisphosphate carboxylase/oxygenase expression in five organs of the fluted giant clam, <i>Tridacna squamosa</i> . <i>Coral Reefs</i> , 2020, 39, 361-374.	2.2	20
106	Can the mudskipper, <i>Periophthalmus chrysospilos</i> , tolerate acute environmental hypoxic exposure?. <i>Fish Physiology and Biochemistry</i> , 1990, 8, 221-227.	2.3	19
107	A comparison of the effects of environmental ammonia exposure on the Asian freshwater stingray <i>Himantura signifer</i> and the Amazonian freshwater stingray <i>Potamotrygon motoro</i> . <i>Journal of Experimental Biology</i> , 2003, 206, 3625-3633.	1.7	19
108	Exposure to air, but not seawater, increases the glutamine content and the glutamine synthetase activity in the marsh clam <i>Polymesoda expansa</i> . <i>Journal of Experimental Biology</i> , 2004, 207, 4605-4614.	1.7	19

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109	The fluted giant clam (<i>Tridacna squamosa</i>) increases nitrate absorption and upregulates the expression of a homolog of SIALIN (H ⁺ :2NO ₃ ⁻ cotransporter) in the ctenidium during light exposure. <i>Coral Reefs</i> , 2020, 39, 451-465.	2.2	19
110	Intestinal osmoregulatory acclimation and nitrogen metabolism in juveniles of the freshwater marble goby exposed to seawater. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 511-520.	1.5	18
111	Cytochrome <i>c</i> oxidase is regulated by modulations in protein expression and mitochondrial membrane phospholipid composition in estivating African lungfish. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R608-R616.	1.8	18
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211	Ammonia transporter 2 as a molecular marker to elucidate the potentials of ammonia transport in phylotypes of <i>Symbiodinium</i> , <i>Cladocopium</i> and <i>Durusdinium</i> in the fluted giant clam, <i>Tridacna squamosa</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 269, 111225.	1.8	2
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226	Basolateral Na ⁺ /Ca ²⁺ exchanger 1 and Na ⁺ /K ⁺ -ATPase, which display light-enhanced gene and protein expression levels, could be involved in the absorption of exogenous Ca ²⁺ through the ctenidium of the giant clam, <i>Tridacna squamosa</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 259, 110997.	1.8	0
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