

Scott P Kelly

List of Publications by Year in descending order

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87
papers

3,227
citations

136950

32
h-index

161849

54
g-index

89
all docs

89
docs citations

89
times ranked

2116
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropeptides and the control of food intake in fish. <i>General and Comparative Endocrinology</i> , 2005, 142, 3-19.	1.8	511
2	Tight junctions, tight junction proteins and paracellular permeability across the gill epithelium of fishes: A review. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 269-281.	1.6	173
3	Effects of salinity and nutritional status on growth and metabolism of <i>Sparus sarba</i> in a closed seawater system. <i>Aquaculture</i> , 1995, 135, 229-238.	3.5	151
4	Haloplasticity of black seabream (<i>Mylio macrocephalus</i>): Hypersaline to freshwater acclimation. <i>The Journal of Experimental Zoology</i> , 1999, 283, 226-241.	1.4	94
5	Claudins in teleost fishes. <i>Tissue Barriers</i> , 2013, 1, e25391.	3.2	92
6	Cultured gill epithelia as models for the freshwater fish gill. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1566, 72-83.	2.6	87
7	Effect of cortisol on permeability and tight junction protein transcript abundance in primary cultured gill epithelia from stenohaline goldfish and euryhaline trout. <i>General and Comparative Endocrinology</i> , 2011, 172, 494-504.	1.8	70
8	The response of sea bream following abrupt hyposmotic exposure. <i>Journal of Fish Biology</i> , 1999, 55, 732-750.	1.6	68
9	Procedures for the preparation and culture of 'reconstructed' rainbow trout branchial epithelia. <i>Cytotechnology</i> , 2000, 22, 153-163.	0.7	67
10	Occludin immunolocalization and protein expression in goldfish. <i>Journal of Experimental Biology</i> , 2008, 211, 1524-1534.	1.7	65
11	Glucocorticoid and mineralocorticoid receptors regulate paracellular permeability in a primary cultured gill epithelium. <i>Journal of Experimental Biology</i> , 2011, 214, 2308-2318.	1.7	61
12	Effects of Prolactin and Growth Hormone on Strategies of Hypoosmotic Adaptation in a Marine Teleost, <i>Sparus sarba</i> . <i>General and Comparative Endocrinology</i> , 1999, 113, 9-22.	1.8	60
13	Claudin-3 tight junction proteins in <i>Tetraodon nigroviridis</i> : cloning, tissue-specific expression, and a role in hydromineral balance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1638-R1647.	1.8	59
14	Physiological responses to acute silver exposure in the freshwater crayfish (<i>Cambarus diogenes</i>)	4.3	57
15	Cortisol differentially alters claudin isoforms in cultured puffer fish gill epithelia. <i>Molecular and Cellular Endocrinology</i> , 2010, 317, 120-126.	3.2	57
16	Effects of GH, prolactin and cortisol on hepatic heat shock protein 70 expression in a marine teleost <i>Sparus sarba</i> . <i>Journal of Endocrinology</i> , 1999, 161, 413-421.	2.6	55
17	Transport properties of cultured branchial epithelia from freshwater rainbow trout: a novel preparation with mitochondria-rich cells. <i>Journal of Experimental Biology</i> , 2000, 203, 1523-37.	1.7	55
18	Occluding junctions of invertebrate epithelia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 17-43.	1.5	53

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19	Cortisol reduces paracellular permeability and increases occludin abundance in cultured trout gill epithelia. <i>Molecular and Cellular Endocrinology</i> , 2010, 323, 232-238.	3.2	49
20	Epithelial remodeling and claudin mRNA abundance in the gill and kidney of puffer fish (<i>Tetraodon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 219-238.	1.5	49
21	Effect of cortisol on the physiology of cultured pavement cell epithelia from freshwater trout gills. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R811-R820.	1.8	48
22	Thermal acclimation mitigates cold-induced paracellular leak from the <i>Drosophila</i> gut. <i>Scientific Reports</i> , 2017, 7, 8807.	3.3	48
23	Cultured Gill Epithelia from Freshwater Tilapia (<i>Oreochromis niloticus</i>): Effect of Cortisol and Homologous Serum Supplements from Stressed and Unstressed Fish. <i>Journal of Membrane Biology</i> , 2002, 190, 29-42.	2.1	46
24	Permeability properties of the teleost gill epithelium under ion-poor conditions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R727-R739.	1.8	44
25	Claudin-8 and -27 tight junction proteins in puffer fish <i>Tetraodon nigroviridis</i> acclimated to freshwater and seawater. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 419-431.	1.5	42
26	Tight junction proteins in zebrafish ovarian follicles: Stage specific mRNA abundance and response to 17 β -estradiol, human chorionic gonadotropin, and maturation inducing hormone. <i>General and Comparative Endocrinology</i> , 2010, 168, 388-400.	1.8	42
27	The physiological response of larval <i>Chironomus riparius</i> (Meigen) to abrupt brackish water exposure. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 343-352.	1.5	41
28	Chapter 9 The Endocrine Regulation of Food Intake. <i>Fish Physiology</i> , 2009, 28, 421-465.	0.8	37
29	Occludin expression in goldfish held in ion-poor water. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 145-154.	1.5	36
30	Effects of cortisol and prolactin on Na ⁺ and Cl ⁻ transport in cultured branchial epithelia from FW rainbow trout. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R1305-R1316.	1.8	35
31	Tight junction protein gene expression patterns and changes in transcript abundance during development of model fish gill epithelia. <i>Journal of Experimental Biology</i> , 2014, 217, 1667-81.	1.7	34
32	Prolactin-releasing peptide, food intake, and hydromineral balance in goldfish. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R1474-R1481.	1.8	33
33	Alterations in Na ⁺ â€“K ⁺ â€“ATPase activity and gill chloride cell morphometrics of juvenile black sea bream (<i>Mylio macrocephalus</i>) in response to salinity and ration size. <i>Aquaculture</i> , 1999, 172, 351-367.	3.5	31
34	Larval Development of Silver Sea Bream (<i>Sparus sarba</i>): Ontogeny of RNA-DNA Ratio, GH, IGF-I, and Na + K + -ATPase. <i>Marine Biotechnology</i> , 2003, 5, 79-91.	2.4	31
35	Effects of elevated circulating cortisol levels on hydromineral status and gill tight junction protein abundance in the stenohaline goldfish. <i>General and Comparative Endocrinology</i> , 2012, 175, 277-283.	1.8	30
36	Cellular and Biochemical Characterization of Hyposmotic Adaptation in a Marine Teleost, <i>Sparus sarba</i> . <i>Zoological Science</i> , 1999, 16, 505-514.	0.7	29

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37	Prolactin effects on cultured pavement cell epithelia and pavement cell plus mitochondria-rich cell epithelia from freshwater rainbow trout gills. <i>General and Comparative Endocrinology</i> , 2002, 128, 44-56.	1.8	29
38	Exogenous GDF9 but not Activin A, BMP15 or TGF β 2 alters tight junction protein transcript abundance in zebrafish ovarian follicles. <i>General and Comparative Endocrinology</i> , 2011, 171, 211-217.	1.8	29
39	Claudin-6, -10d, and -10e contribute to seawater acclimation in the euryhaline puffer fish <i>Tetraodon nigroviridis</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 1758-67.	1.7	29
40	Procedures for the reconstruction, primary culture and experimental use of rainbow trout gill epithelia. <i>Nature Protocols</i> , 2016, 11, 490-498.	12.0	28
41	Effect of injected growth hormone on phagocytosis in silver sea bream (<i>Sparus sarba</i>) adapted to hyper- and hypo-osmotic salinities. <i>Fish and Shellfish Immunology</i> , 1997, 7, 515-517.	3.6	27
42	The Physiological Effects of 3,5,3-Triiodo-L-thyronine Alone or Combined with Cortisol on Cultured Pavement Cell Epithelia from Freshwater Rainbow Trout Gills. <i>General and Comparative Endocrinology</i> , 2001, 123, 280-294.	1.8	27
43	Stimulation of macrophage phagocytosis and lymphocyte count by exogenous prolactin administration in silver sea bream (<i>Sparus sarba</i>) adapted to hyper- and hypo-osmotic salinities. <i>Veterinary Immunology and Immunopathology</i> , 1998, 61, 387-391.	1.2	26
44	A role for tricellulin in the regulation of gill epithelium permeability. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R1139-R1148.	1.8	22
45	Claudin-10 isoform expression and cation selectivity change with salinity in salt-secreting epithelia of <i>F. heteroclitus</i> . <i>Journal of Experimental Biology</i> , 2017, 221, .	1.7	21
46	Salinity alters snakeskin and mesh transcript abundance and permeability in midgut and Malpighian tubules of larval mosquito, <i>Aedes aegypti</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 205, 58-67.	1.8	20
47	The cultured branchial epithelium of the rainbow trout as a model for diffusive fluxes of ammonia across the fish gill. <i>Journal of Experimental Biology</i> , 2001, 204, 4115-4124.	1.7	20
48	A maxi Cl ⁻ channel in cultured pavement cells from the gills of the freshwater rainbow trout <i>Oncorhynchus mykiss</i> . <i>Journal of Experimental Biology</i> , 2001, 204, 1783-94.	1.7	19
49	Hormonal modulation of branchial Na ⁺ -K ⁺ -ATPase subunit mRNA in a marine teleost <i>Sparus sarba</i> . <i>Life Sciences</i> , 1999, 64, 1819-1829.	4.3	18
50	Cortisol stimulates calcium transport across cultured gill epithelia from freshwater rainbow trout. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2008, 44, 96-104.	1.5	18
51	Spatial and salinity-induced alterations in claudin-3 isoform mRNA along the gastrointestinal tract of the pufferfish <i>Tetraodon nigroviridis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 155, 154-163.	1.8	18
52	Tissue specific ionomotive enzyme activity and K ⁺ reabsorption reveal the rectum as an important ionoregulatory organ in larval <i>Chironomus riparius</i> exposed to varying salinity. <i>Journal of Experimental Biology</i> , 2013, 216, 3637-48.	1.7	17
53	Impact of salt-contaminated freshwater on osmoregulation and tracheal gill function in nymphs of the mayfly <i>Hexagenia rigida</i> . <i>Aquatic Toxicology</i> , 2019, 211, 92-104.	4.0	17
54	Hypercortisolemia does not affect the branchial osmoregulatory responses of the marine teleost <i>Sparus sarba</i> . <i>Life Sciences</i> , 2000, 66, 1435-1444.	4.3	14

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55	The response of claudin-like transmembrane septate junction proteins to altered environmental ion levels in the larval mosquito <i>Aedes aegypti</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 589-602.	1.5	14
56	Effect of salinity and ration size on macrophage phagocytosis in juvenile black sea bream (<i>Mylio</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	0.7	13
57	Strategies of ionoregulation in the freshwater nymph of the mayfly (<i>Hexagenia rigida</i>). <i>Journal of Experimental Biology</i> , 2017, 220, 3997-4006.	1.7	13
58	Claudin-31 contributes to corticosteroid-induced alterations in the barrier properties of the gill epithelium. <i>Molecular and Cellular Endocrinology</i> , 2017, 439, 457-466.	3.2	13
59	Claudin-8d is a cortisol-responsive barrier protein in the gill epithelium of trout. <i>Journal of Molecular Endocrinology</i> , 2017, 59, 299-310.	2.5	13
60	The cultured branchial epithelium of the rainbow trout as a model for diffusive fluxes of ammonia across the fish gill. <i>Journal of Experimental Biology</i> , 2001, 204, 4115-24.	1.7	13
61	Studies on lipid metabolism in trout (<i>Oncorhynchus mykiss</i>) branchial cultures. <i>The Journal of Experimental Zoology</i> , 2002, 293, 683-692.	1.4	12
62	Occludin and hydromineral balance in <i>Xenopus laevis</i> . <i>Journal of Experimental Biology</i> , 2009, 212, 287-296.	1.7	11
63	Identification of the septate junction protein gliotactin in the mosquito, <i>Aedes aegypti</i> : evidence for a role in increased paracellular permeability in larvae. <i>Journal of Experimental Biology</i> , 2017, 220, 2354-2363.	1.7	11
64	Claudin tight junction proteins in rainbow trout (<i>Oncorhynchus mykiss</i>) skin: Spatial response to elevated cortisol levels. <i>General and Comparative Endocrinology</i> , 2017, 240, 214-226.	1.8	11
65	A role for tight junction-associated MARVEL proteins in larval sea lamprey (<i>Petromyzon</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	1.7	11
66	Septate junction in the distal ileac plexus of larval lepidopteran <i>Trichoplusia ni</i> : alterations in paracellular permeability during ion transport reversal. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	11
67	Response of developing cultured freshwater gill epithelia to gradual apical media dilution and hormone supplementation. <i>The Journal of Experimental Zoology</i> , 2004, 301A, 867-881.	1.4	10
68	Effect of the liquorice root derivatives on salt and water balance in a teleost fish, rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 180, 86-97.	1.8	10
69	Genomic and physiological mechanisms underlying skin plasticity during water to air transition in an amphibious fish. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	10
70	Altered Transendothelial Transport of Hormones as a Contributor to Diabetes. <i>Diabetes and Metabolism Journal</i> , 2014, 38, 92.	4.7	9
71	Dietary salt loading and ion-poor water exposure provide insight into the molecular physiology of the rainbow trout gill epithelium tight junction complex. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 739-757.	1.5	9
72	Claudins of sea lamprey (<i>Petromyzon marinus</i>) – organ-specific expression and transcriptional responses to water of varying ion content. <i>Journal of Fish Biology</i> , 2020, 96, 768-781.	1.6	9

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73	The liquorice root derivative glycyrrhetic acid can ameliorate ionoregulatory disturbance in rainbow trout (<i>Oncorhynchus mykiss</i>) abruptly exposed to ion-poor water. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 199, 120-129.	1.8	8
74	Transendothelial movement of adiponectin is restricted by glucocorticoids. <i>Journal of Endocrinology</i> , 2017, 234, 101-114.	2.6	8
75	Tricellular tight junction-associated angulins in the gill epithelium of rainbow trout. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R312-R322.	1.8	8
76	DILUTE CULTURE MEDIA AS AN ENVIRONMENTAL OR PHYSIOLOGICAL SIMULANT IN CULTURED GILL EPITHELIA FROM FRESHWATER RAINBOW TROUT. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2003, 39, 21.	1.5	7
77	Claudins in a primary cultured puffer fish (<i>Tetraodon nigroviridis</i>) gill epithelium model alter in response to acute seawater exposure. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 189, 91-101.	1.8	7
78	Permeability properties and occludin expression in a primary cultured model gill epithelium from the stenohaline freshwater goldfish. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 487-500.	1.5	6
79	A lethal fungal pathogen directly alters tight junction proteins in the skin of a susceptible amphibian. <i>Journal of Experimental Biology</i> , 2018, 222, .	1.7	6
80	C-type natriuretic peptide regulates the molecular components of the rainbow trout gill epithelium tight junction complex. <i>Peptides</i> , 2020, 124, 170211.	2.4	6
81	Mummichog gill and operculum exhibit functionally consistent claudin-10 paralog profiles and Claudin-10c hypersaline response. <i>Biology Open</i> , 2021, 10, .	1.2	6
82	Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E760-E772.	3.5	5
83	The response of sea bream following abrupt hyposmotic exposure. <i>Journal of Fish Biology</i> , 1999, 55, 732-750.	1.6	5
84	Claudins in a Primary Cultured Puffer Fish (<i>Tetraodon nigroviridis</i>) Gill Epithelium. <i>Methods in Molecular Biology</i> , 2011, 762, 179-194.	0.9	5
85	The mineralocorticoid receptor contributes to barrier function of a model fish gill epithelium. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	4
86	Effects of copper on a reconstructed freshwater rainbow trout gill epithelium: Paracellular and intracellular aspects. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 230, 108705.	2.6	2
87	Ion-poor water and dietary salt deprivation upregulate the ghrelinergic system in the goldfish (<i>Carr</i>) <i>Tj ETQq1 1 0.784314 rgBT 1.6 Overl</i>	1.6	0