Scott P Kelly

List of Publications by Year
in descending order

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	Genomic and physiological mechanisms underlying skin plasticity during water to air transition in an amphibious fish. Journal of Experimental Biology, 2021, 224, .	1.7	10
2	Ionâ€poor water and dietary salt deprivation upregulate the ghrelinergic system in the goldfish () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.6	0
3	Mummichog gill and operculum exhibit functionally consistent claudin-10 paralog profiles and Claudin-10c hypersaline response. Biology Open, 2021, 10, .	1.2	6
4	C-type natriuretic peptide regulates the molecular components of the rainbow trout gill epithelium tight junction complex. Peptides, 2020, 124, 170211.	2.4	6
5	Claudins of sea lamprey (<scp>Petromyzon marinus</scp>) â€“ organâ€specific expression and transcriptional responses to water of varying ion content. Journal of Fish Biology, 2020, 96, 768-781.	1.6	9
6	Effects of copper on a reconstructed freshwater rainbow trout gill epithelium: Paracellular and intracellular aspects. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 230, 108705.	2.6	2
7	Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E760-E772.	3.5	5
8	Septate junction in the distal ileac plexus of larval lepidopteranTrichoplusia ni: alterations in paracellular permeability during ion transport reversal. Journal of Experimental Biology, 2019, 222, .	1.7	11
9	The mineralocorticoid receptor contributes to barrier function of a model fish gill epithelium. Journal of Experimental Biology, 2019, 222, .	1.7	4
10	Impact of salt-contaminated freshwater on osmoregulation and tracheal gill function in nymphs of the mayfly Hexagenia rigida. Aquatic Toxicology, 2019, 211, 92-104.	4.0	17
11	A lethal fungal pathogen directly alters tight junction proteins in the skin of a susceptible amphibian. Journal of Experimental Biology, 2018, 222, .	1.7	6
12	Tricellular tight junction-associated angulins in the gill epithelium of rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R312-R322.	1.8	8
13	Identification of the septate junction protein gliotactin in the mosquito, Aedes aegypti: evidence for a role in increased paracellular permeability in larvae. Journal of Experimental Biology, 2017, 220, 2354-2363.	1.7	11
14	Salinity alters snakeskin and mesh transcript abundance and permeability in midgut and Malpighian tubules of larval mosquito, Aedes aegypti. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 205, 58-67.	1.8	20
15	Claudin tight junction proteins in rainbow trout (Oncorhynchus mykiss) skin: Spatial response to elevated cortisol levels. General and Comparative Endocrinology, 2017, 240, 214-226.	1.8	11
16	Thermal acclimation mitigates cold-induced paracellular leak from the Drosophila gut. Scientific Reports, 2017, 7, 8807.	3.3	48
17	Strategies of ionoregulation in the freshwater nymph of the mayfly (Hexagenia rigida). Journal of Experimental Biology, 2017, 220, 3997-4006.	1.7	13
18	A role for tight junction-associated MARVEL proteins in larval sea lamprey (Petromyzon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (	1.7	11

#	Article	IF	Citations
19	Claudin-10 isoform expression and cation selectivity change with salinity in salt-secreting epithelia of F. heteroclitus. Journal of Experimental Biology, 2017, 221, .	1.7	21
20	Transendothelial movement of adiponectin is restricted by glucocorticoids. Journal of Endocrinology, 2017, 234, 101-114.	2.6	8
21	Claudin-31 contributes to corticosteroid-induced alterations in the barrier properties of the gill epithelium. Molecular and Cellular Endocrinology, 2017, 439, 457-466.	3.2	13
22	Claudin-8d is a cortisol-responsive barrier protein in the gill epithelium of trout. Journal of Molecular Endocrinology, 2017, 59, 299-310.	2.5	13
23	Dietary salt loading and ion-poor water exposure provide insight into the molecular physiology of the rainbow trout gill epithelium tight junction complex. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 739-757.	1.5	9
24	The liquorice root derivative glycyrrhetinic acid can ameliorate ionoregulatory disturbance in rainbow trout (Oncorhynchus mykiss) abruptly exposed to ion-poor water. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 199, 120-129.	1.8	8
25	The response of claudin-like transmembrane septate junction proteins to altered environmental ion levels in the larval mosquito Aedes aegypti. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 589-602.	1.5	14
26	Procedures for the reconstruction, primary culture and experimental use of rainbow trout gill epithelia. Nature Protocols, 2016, 11, 490-498.	12.0	28
27	Occluding junctions of invertebrate epithelia. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 17-43.	1.5	53
28	Effect of the liquorice root derivatives on salt and water balance in a teleost fish, rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 180, 86-97.	1.8	10
29	Claudins in a primary cultured puffer fish (Tetraodon nigroviridis) gill epithelium model alter in response to acute seawater exposure. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 189, 91-101.	1.8	7
30	Altered Transendothelial Transport of Hormones as a Contributor to Diabetes. Diabetes and Metabolism Journal, 2014, 38, 92.	4.7	9
31	Claudin-6, -10d, and -10e contribute to seawater acclimation in the euryhaline puffer fishTetraodon nigroviridis. Journal of Experimental Biology, 2014, 217, 1758-67.	1.7	29
32	Tight junction protein gene expression patterns and changes in transcript abundance during development of model fish gill epithelia. Journal of Experimental Biology, 2014, 217, 1667-81.	1.7	34
33	Claudins in teleost fishes. Tissue Barriers, 2013, 1, e25391.	3.2	92
34	Tissue specific ionomotive enzyme activity and K+ reabsorption reveal the rectum as an important ionoregulatory organ in larvalChironomous ripariusexposed to varying salinity. Journal of Experimental Biology, 2013, 216, 3637-48.	1.7	17
35	A role for tricellulin in the regulation of gill epithelium permeability. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R1139-R1148.	1.8	22
36	Permeability properties of the teleost gill epithelium under ion-poor conditions. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R727-R739.	1.8	44

#	Article	IF	Citations
37	Tight junctions, tight junction proteins and paracellular permeability across the gill epithelium of fishes: A review. Respiratory Physiology and Neurobiology, 2012, 184, 269-281.	1.6	173
38	Effects of elevated circulating cortisol levels on hydromineral status and gill tight junction protein abundance in the stenohaline goldfish. General and Comparative Endocrinology, 2012, 175, 277-283.	1.8	30
39	Permeability properties and occludin expression in a primary cultured model gill epithelium from the stenohaline freshwater goldfish. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 487-500.	1.5	6
40	Exogenous GDF9 but not Activin A, BMP15 or TGFÎ² alters tight junction protein transcript abundance in zebrafish ovarian follicles. General and Comparative Endocrinology, 2011, 171, 211-217.	1.8	29
41	Effect of cortisol on permeability and tight junction protein transcript abundance in primary cultured gill epithelia from stenohaline goldfish and euryhaline trout. General and Comparative Endocrinology, 2011, 172, 494-504.	1.8	70
42	Epithelial remodeling and claudin mRNA abundance in the gill and kidney of puffer fish (Tetraodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biochemical, Systemic, and Environmental Physiology, 2011, 181, 219-238.	1.5	49
43	The physiological response of larval Chironomus riparius (Meigen) to abrupt brackish water exposure. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 343-352.	1.5	41
44	Glucocorticoid and mineralocorticoid receptors regulate paracellular permeability in a primary cultured gill epithelium. Journal of Experimental Biology, 2011, 214, 2308-2318.	1.7	61
45	Claudins in a Primary Cultured Puffer Fish (Tetraodon nigroviridis) Gill Epithelium. Methods in Molecular Biology, 2011, 762, 179-194.	0.9	5
46	Spatial and salinity-induced alterations in claudin-3 isoform mRNA along the gastrointestinal tract of the pufferfish Tetraodon nigroviridis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 155, 154-163.	1.8	18
47	Tight junction proteins in zebrafish ovarian follicles: Stage specific mRNA abundance and response to 17Î²-estradiol, human chorionic gonadotropin, and maturation inducing hormone. General and Comparative Endocrinology, 2010, 168, 388-400.	1.8	42
48	Cortisol differentially alters claudin isoforms in cultured puffer fish gill epithelia. Molecular and Cellular Endocrinology, 2010, 317, 120-126.	3.2	57
49	Cortisol reduces paracellular permeability and increases occludin abundance in cultured trout gill epithelia. Molecular and Cellular Endocrinology, 2010, 323, 232-238.	3.2	49
50	Occludin and hydromineral balance in Xenopus laevis. Journal of Experimental Biology, 2009, 212, 287-296.	1.7	11
51	Occludin expression in goldfish held in ion-poor water. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 145-154.	1.5	36
52	Claudin-8 and -27 tight junction proteins in puffer fish Tetraodon nigroviridis acclimated to freshwater and seawater. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 419-431.	1.5	42
53	Chapter 9 The Endocrine Regulation of Food Intake. Fish Physiology, 2009, 28, 421-465.	0.8	37
54	Cortisol stimulates calcium transport across cultured gill epithelia from freshwater rainbow trout. In Vitro Cellular and Developmental Biology - Animal, 2008, 44, 96-104.	1.5	18

#	Article	IF	Citations
55	Claudin-3 tight junction proteins inTetraodon nigroviridis: cloning, tissue-specific expression, and a role in hydromineral balance. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1638-R1647.	1.8	59
56	Occludin immunolocalization and protein expression in goldfish. Journal of Experimental Biology, 2008, 211, 1524-1534.	1.7	65
57	Prolactin-releasing peptide, food intake, and hydromineral balance in goldfish. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1474-R1481.	1.8	33
58	Neuropeptides and the control of food intake in fish. General and Comparative Endocrinology, 2005, 142, 3-19.	1.8	511
59	Response of developing cultured freshwater gill epithelia to gradual apical media dilution and hormone supplementation. The Journal of Experimental Zoology, 2004, 301A, 867-881.	1.4	10
60	Larval Development of Silver Sea Bream (Sparus sarba): Ontogeny of RNA-DNA Ratio, GH, IGF-I, and Na + -K + -ATPase. Marine Biotechnology, 2003, 5, 79-91.	2.4	31
61	DILUTE CULTURE MEDIA AS AN ENVIRONMENTAL OR PHYSIOLOGICAL SIMULANT IN CULTURED GILL EPITHELIA FROM FRESHWATER RAINBOW TROUT. In Vitro Cellular and Developmental Biology - Animal, 2003, 39, 21.	1.5	7
62	Effects of cortisol and prolactin on Na+ and Cl- transport in cultured branchial epithelia from FW rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R1305-R1316.	1.8	35
63	Cultured gill epithelia as models for the freshwater fish gill. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1566, 72-83.	2.6	87
64	Prolactin effects on cultured pavement cell epithelia and pavement cell plus mitochondria-rich cell epithelia from freshwater rainbow trout gills. General and Comparative Endocrinology, 2002, 128, 44-56.	1.8	29
65	Studies on lipid metabolism in trout (Oncorhynchus mykiss) branchial cultures. The Journal of Experimental Zoology, 2002, 293, 683-692.	1.4	12
66	Physiological responses to acute silver exposure in the freshwater crayfish (<i>Cambarus diogenes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.3	57
67	Cultured Gill Epithelia from Freshwater Tilapia (Oreochromis niloticus): Effect of Cortisol and Homologous Serum Supplements from Stressed and Unstressed Fish. Journal of Membrane Biology, 2002, 190, 29-42.	2.1	46
68	Effect of cortisol on the physiology of cultured pavement cell epithelia from freshwater trout gills. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R811-R820.	1.8	48
69	The Physiological Effects of 3,5â€²,3â€²-Triiodo-l-thyronine Alone or Combined with Cortisol on Cultured Pavement Cell Epithelia from Freshwater Rainbow Trout Gills. General and Comparative Endocrinology, 2001, 123, 280-294.	1.8	27
70	The cultured branchial epithelium of the rainbow trout as a model for diffusive fluxes of ammonia across the fish gill. Journal of Experimental Biology, 2001, 204, 4115-4124.	1.7	20
71	A maxi Cl- channel in cultured pavement cells from the gills of the freshwater rainbow trout Oncorhynchus mykiss. Journal of Experimental Biology, 2001, 204, 1783-94.	1.7	19
72	The cultured branchial epithelium of the rainbow trout as a model for diffusive fluxes of ammonia across the fish gill. Journal of Experimental Biology, 2001, 204, 4115-24.	1.7	13

#	Article	IF	Citations
73	Effect of salinity and ration size on macrophage phagocytosis in juvenile black sea bream (Mylio) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	13
74	Procedures for the preparation and culture of 'reconstructed' rainbow trout branchial epithelia. Cytotechnology, 2000, 22, 153-163.	0.7	67
75	Hypercortisolemia does not affect the branchial osmoregulatory responses of the marine teleost Sparus sarba. Life Sciences, 2000, 66, 1435-1444.	4.3	14
76	Transport properties of cultured branchial epithelia from freshwater rainbow trout: a novel preparation with mitochondria-rich cells. Journal of Experimental Biology, 2000, 203, 1523-37.	1.7	55
77	The response of sea bream following abrupt hyposmotic exposure. Journal of Fish Biology, 1999, 55, 732-750.	1.6	68
78	Haloplasticity of black seabream (Mylio macrocephalus): Hypersaline to freshwater acclimation. The Journal of Experimental Zoology, 1999, 283, 226-241.	1.4	94
79	Cellular and Biochemical Characterization of Hyposmotic Adaptation in a Marine Teleost, Sparus sarba. Zoological Science, 1999, 16, 505-514.	0.7	29
80	Effects of Prolactin and Growth Hormone on Strategies of Hypoosmotic Adaptation in a Marine Teleost,Sparus sarba. General and Comparative Endocrinology, 1999, 113, 9-22.	1.8	60
81	Hormonal modulation of branchial Na+-K+-ATPase subunit mRNA in a marine teleost Sparus sarba. Life Sciences, 1999, 64, 1819-1829.	4.3	18
82	Alterations in Na+â€“K+â€“ATPase activity and gill chloride cell morphometrics of juvenile black sea bream (Mylio macrocephalus) in response to salinity and ration size. Aquaculture, 1999, 172, 351-367.	3.5	31
83	Effects of GH, prolactin and cortisol on hepatic heat shock protein 70 expression in a marine teleost Sparus sarba. Journal of Endocrinology, 1999, 161, 413-421.	2.6	55
84	The response of sea bream following abrupt hyposmotic exposure. Journal of Fish Biology, 1999, 55, 732-750.	1.6	5
85	Stimulation of macrophage phagocytosis and lymphocyte count by exogenous prolactin administration in silver sea bream (Sparus sarba) adapted to hyper- and hypo-osmotic salinities. Veterinary Immunology and Immunopathology, 1998, 61, 387-391.	1.2	26
86	Effect of injected growth hormone on phagocytosis in silver sea bream (Sparus sarba) adapted to hyper- and hypo-osmotic salinities. Fish and Shellfish Immunology, 1997, 7, 515-517.	3.6	27
87	Effects of salinity and nutritional status on growth and metabolism of Spams sarba in a closed seawater system. Aquaculture, 1995, 135, 229-238.	3.5	151