Wataru Takagi

List of Publications by Year
in descending order

22 papers	485 citations	840776 11 h-index	752698 20 g-index
28 all docs	28 docs citations	28 times ranked	585 citing authors

#	Article	IF	Citations
1	Evidence from cyclostomes for complex regionalization of the ancestral vertebrate brain. Nature, 2016, 531, 97-100.	27.8	102
2	Hagfish and lamprey Hox genes reveal conservation of temporal colinearity in vertebrates. Nature Ecology and Evolution, 2018, 2, 859-866.	7.8	55
3	A shift in anteriorâ€“posterior positional information underlies the fin-to-limb evolution. ELife, 2015, 4, .	6.0	46
4	Inner ear development in cyclostomes and evolution of the vertebrate semicircular canals. Nature, 2019, 565, 347-350.	27.8	44
5	CTCF binding landscape in jawless fish with reference to Hox cluster evolution. Scientific Reports, 2017, 7, 4957.	3.3	35
6	Transcriptional activation of elephant shark mineralocorticoid receptor by corticosteroids, progesterone, and spironolactone. Science Signaling, 2019, 12, .	3.6	30
7	Morphological and functional characteristics of the kidney of cartilaginous fishes: with special reference to urea reabsorption. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1381-R1395.	1.8	23
8	Hepatic and extrahepatic distribution of ornithine urea cycle enzymes in holocephalan elephant fish (Callorhinchus milii). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 331-340.	1.6	20
9	Discovery of conventional prolactin from the holocephalan elephant fish, Callorhinchus milii. General and Comparative Endocrinology, 2015, 224, 216-227.	1.8	19
10	Urea-based osmoregulation in the developing embryo of oviparous cartilaginous fish (Callorhinchus milii): contribution of the extraembryonic yolk sac during the early developmental period. Journal of Experimental Biology, 2014, 217, 1353-62.	1.7	14
11	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. Cell and Tissue Research, 2015, 362, 677-688.	2.9	14
12	Comprehensive analysis of genes contributing to euryhalinity in the bull shark, Carcharhinus leucas; Na+-Clâ¯ co-transporter is one of the key renal factors up-regulated in acclimation to low-salinity environment in bull sharks, but not in houndsharks, Triakis scyllium. Journal of Experimental Biology, 2019, 222, .	1.7	14
13	Sulfate transporters involved in sulfate secretion in the kidney are localized in the renal proximal tubule II of the elephant fish (Callorhinchus milii). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R66-R78.	1.8	13
14	N-terminal domain regulates steroid activation of elephant shark glucocorticoid and mineralocorticoid receptors. Journal of Steroid Biochemistry and Molecular Biology, 2021, 210, 105845.	2.5	12
15	A possible principal function of corticosteroid signaling that is conserved in vertebrate evolution: Lessons from receptor-knockout small fish. Journal of Steroid Biochemistry and Molecular Biology, 2018, 184, 57-61.	2.5	9
16	Distributional shift of urea production site from the extraembryonic yolk sac membrane to the embryonic liver during the development of cloudy catshark (Scyliorhinus torazame). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 211, 7-16.	1.8	8
17	Morphological and functional development of the spiral intestine in cloudy catshark (Scyliorhinus torazame). Journal of Experimental Biology, 2020, 223, .	1.7	8
18	Facilitated NaCl Uptake in the Highly Developed Bundle of the Nephron in Japanese Red Stingray Hemitrygon akajei Revealed by Comparative Anatomy and Molecular Mapping. Zoological Science, 2020, 37, 1.	0.7	5

#	Article	IF	Citations
19	Molecular mechanism of nutrient uptake in developing embryos of oviparous cloudy catshark (Scyliorhinus torazame). PLoS ONE, 2022, 17, e0265428.	2.5	5
20	Thyroid and endostyle development in cyclostomes provides new insights into the evolutionary history of vertebrates. BMC Biology, 2022, 20, 76.	3.8	3
21	Long-term monitoring of egg-laying cycle using ultrasonography reveals the reproductive dynamics of circulating sex steroids in an oviparous catshark, Scyliorhinus torazame. General and Comparative Endocrinology, 2022, 327, 114076.	1.8	3
22	Regulation by Progestins, Corticosteroids, and RU486 of Transcriptional Activation of Elephant Shark and Human Progesterone Receptors: An Evolutionary Perspective. ACS Pharmacology and Translational Science, 2022, 5, 52-61.	4.9	2