Yosuke Funato

List of Publications by Year
in descending order

22	729	687363 13	677142 22
papers	citations	h-index	g-index

23	23	23	583
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The emerging roles and therapeutic potential of cyclin M/CorC family of Mg2+ transporters. Journal of Pharmacological Sciences, 2022, 148, 14-18.	2.5	5
2	Structural basis for the Mg ²⁺ recognition and regulation of the CorC Mg ²⁺ transporter. Science Advances, 2021, 7, .	10.3	41
3	Identification and mechanistic analysis of an inhibitor of the CorC Mg2+ transporter. IScience, 2021, 24, 102370.	4.1	5
4	Importance of the renal ion channel TRPM6 in the circadian secretion of renin to raise blood pressure. Nature Communications, 2021, 12, 3683.	12.8	11
5	Excessive Mg²⁺Impairs Intestinal Homeostasis by Enhanced Production of Adenosine Triphosphate and Reactive Oxygen Species. Antioxidants and Redox Signaling, 2020, 33, 20-34.	5.4	13
6	PRL3 pseudophosphatase activity is necessary and sufficient to promote metastatic growth. Journal of Biological Chemistry, 2020, 295, 11682-11692.	3.4	25
7	Magnesium efflux from Drosophila Kenyon cells is critical for normal and diet-enhanced long-term memory. ELife, 2020, 9, .	6.0	5
8	Cnnm4 deficiency suppresses Ca2+ signaling and promotes cell proliferation in the colon epithelia. Oncogene, 2019, 38, 3962-3969.	5.9	13
9	Molecular function and biological importance of CNNM family Mg2+ transporters. Journal of Biochemistry, 2019, 165, 219-225.	1.7	32
10	Rebuttal from Yosuke Funato, Kazuharu Furutani, Yoshihisa Kurachi and Hiroaki Miki. Journal of Physiology, 2018, 596, 751-751.	2.9	8
11	CrossTalk proposal: CNNM proteins are Na⁺/Mg²⁺ exchangers playing a central role in transepithelial Mg²⁺ (re)absorption. Journal of Physiology, 2018, 596, 743-746.	2.9	36
12	The cyclic nucleotideâ€“binding homology domain of the integral membrane protein CNNM mediates dimerization and is required for Mg2+ efflux activity. Journal of Biological Chemistry, 2018, 293, 19998-20007.	3.4	34
13	Renal function of cyclin M2 Mg2+ transporter maintains blood pressure. Journal of Hypertension, 2017, 35, 585-592.	0.5	46
14	Visualization of long-term Mg2+ dynamics in apoptotic cells using a novel targetable fluorescent probe. Chemical Science, 2017, 8, 8255-8264.	7.4	28
15	Mg2+ Extrusion from Intestinal Epithelia by CNNM Proteins Is Essential for Gonadogenesis via AMPK-TORC1 Signaling in Caenorhabditis elegans. PLoS Genetics, 2016, 12, e1006276.	3.5	16
16	Phosphocysteine in the PRLâ€CNNM pathway mediates magnesium homeostasis. EMBO Reports, 2016, 17, 1890-1900.	4.5	61
17	Complementary role of CNNM2 in sperm motility and Ca 2+ influx during capacitation. Biochemical and Biophysical Research Communications, 2016, 474, 441-446.	2.1	6
18	The Mg2+ transporter CNNM4 regulates sperm Ca2+ homeostasis and it is essential for reproduction. Journal of Cell Science, 2016, 129, 1940-9.	2.0	36

#	Article	IF	Citations
19	Basolateral sorting of the Mg2+ transporter CNNM4 requires interaction with AP-1A and AP-1B. Biochemical and Biophysical Research Communications, 2014, 455, 184-189.	2.1	8
20	Mg2+-dependent Interactions of ATP with the Cystathionine-Î²-Synthase (CBS) Domains of a Magnesium Transporter. Journal of Biological Chemistry, 2014, 289, 14731-14739.	3.4	77
21	Membrane protein CNNM4â€“dependent Mg2+ efflux suppresses tumor progression. Journal of Clinical Investigation, 2014, 124, 5398-5410.	8.2	93
22	Basolateral Mg2+ Extrusion via CNNM4 Mediates Transcellular Mg2+ Transport across Epithelia: A Mouse Model. PLoS Genetics, 2013, 9, e1003983.	3.5	130