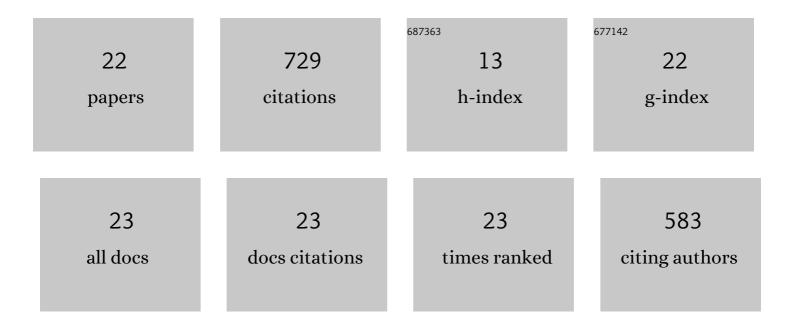
Yosuke Funato

List of Publications by Year in descending order

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| # | 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 Mg ²⁺ 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 ⁺ /Mg ²⁺ exchangers playing a central role in transepithelial Mg ²⁺ (re)absorption. Journal of Physiology, 2018, 596, 743-746. | 2.9 | 36 |
| 12 | The cyclic nucleotide–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 PRL NNM 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 |

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|----|--|-----|-----------|
| 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-β-Synthase (CBS) Domains of a Magnesium Transporter. Journal of Biological Chemistry, 2014, 289, 14731-14739. | 3.4 | 77 |
| 21 | Membrane protein CNNM4–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 |