

Yosuke Funato

List of Publications by Year in descending order

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22
papers

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687363

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Basolateral Mg ²⁺ Extrusion via CNNM4 Mediates Transcellular Mg ²⁺ Transport across Epithelia: A Mouse Model. <i>PLoS Genetics</i> , 2013, 9, e1003983. | 3.5 | 130 |
| 2 | Membrane protein CNNM4-dependent Mg ²⁺ efflux suppresses tumor progression. <i>Journal of Clinical Investigation</i> , 2014, 124, 5398-5410. | 8.2 | 93 |
| 3 | Mg ²⁺ -dependent Interactions of ATP with the Cystathionine-Î ² -Synthase (CBS) Domains of a Magnesium Transporter. <i>Journal of Biological Chemistry</i> , 2014, 289, 14731-14739. | 3.4 | 77 |
| 4 | Phosphocysteine in the PRL-CNNM pathway mediates magnesium homeostasis. <i>EMBO Reports</i> , 2016, 17, 1890-1900. | 4.5 | 61 |
| 5 | Renal function of cyclin M2 Mg ²⁺ transporter maintains blood pressure. <i>Journal of Hypertension</i> , 2017, 35, 585-592. | 0.5 | 46 |
| 6 | Structural basis for the Mg ²⁺ recognition and regulation of the CorC Mg ²⁺ transporter. <i>Science Advances</i> , 2021, 7, . | 10.3 | 41 |
| 7 | The Mg ²⁺ transporter CNNM4 regulates sperm Ca ²⁺ homeostasis and it is essential for reproduction. <i>Journal of Cell Science</i> , 2016, 129, 1940-9. | 2.0 | 36 |
| 8 | CrossTalk proposal: CNNM proteins are Na ⁺ /Mg ²⁺ exchangers playing a central role in transepithelial Mg ²⁺ (re)absorption. <i>Journal of Physiology</i> , 2018, 596, 743-746. | 2.9 | 36 |
| 9 | The cyclic nucleotide-binding homology domain of the integral membrane protein CNNM mediates dimerization and is required for Mg ²⁺ efflux activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 19998-20007. | 3.4 | 34 |
| 10 | Molecular function and biological importance of CNNM family Mg ²⁺ transporters. <i>Journal of Biochemistry</i> , 2019, 165, 219-225. | 1.7 | 32 |
| 11 | Visualization of long-term Mg ²⁺ dynamics in apoptotic cells using a novel targetable fluorescent probe. <i>Chemical Science</i> , 2017, 8, 8255-8264. | 7.4 | 28 |
| 12 | PRL3 pseudophosphatase activity is necessary and sufficient to promote metastatic growth. <i>Journal of Biological Chemistry</i> , 2020, 295, 11682-11692. | 3.4 | 25 |
| 13 | Mg ²⁺ Extrusion from Intestinal Epithelia by CNNM Proteins Is Essential for Gonadogenesis via AMPK-TORC1 Signaling in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2016, 12, e1006276. | 3.5 | 16 |
| 14 | Cnm4 deficiency suppresses Ca ²⁺ signaling and promotes cell proliferation in the colon epithelia. <i>Oncogene</i> , 2019, 38, 3962-3969. | 5.9 | 13 |
| 15 | Excessive Mg ²⁺ Impairs Intestinal Homeostasis by Enhanced Production of Adenosine Triphosphate and Reactive Oxygen Species. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 20-34. | 5.4 | 13 |
| 16 | Importance of the renal ion channel TRPM6 in the circadian secretion of renin to raise blood pressure. <i>Nature Communications</i> , 2021, 12, 3683. | 12.8 | 11 |
| 17 | Basolateral sorting of the Mg ²⁺ transporter CNNM4 requires interaction with AP-1A and AP-1B. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 184-189. | 2.1 | 8 |
| 18 | Rebuttal from Yosuke Funato, Kazuharu Furutani, Yoshihisa Kurachi and Hiroaki Miki. <i>Journal of Physiology</i> , 2018, 596, 751-751. | 2.9 | 8 |

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|----|---|-----|-----------|
| 19 | Complementary role of CNNM2 in sperm motility and Ca ²⁺ influx during capacitation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 441-446. | 2.1 | 6 |
| 20 | Identification and mechanistic analysis of an inhibitor of the CorC Mg ²⁺ transporter. <i>IScience</i> , 2021, 24, 102370. | 4.1 | 5 |
| 21 | The emerging roles and therapeutic potential of cyclin M/CorC family of Mg ²⁺ transporters. <i>Journal of Pharmacological Sciences</i> , 2022, 148, 14-18. | 2.5 | 5 |
| 22 | Magnesium efflux from <i>Drosophila</i> Kenyon cells is critical for normal and diet-enhanced long-term memory. <i>ELife</i> , 2020, 9, . | 6.0 | 5 |