

Isabella Maiellaro

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

837
citations

687363

13
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940533

16
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19
all docs

19
docs citations

19
times ranked

1210
citing authors

#	ARTICLE	IF	CITATIONS
1	Store-operated cyclic AMP signalling mediated by STIM1. <i>Nature Cell Biology</i> , 2009, 11, 433-442.	10.3	145
2	Mechano-dependent signaling by Latrophilin/CIRL quenches cAMP in proprioceptive neurons. <i>ELife</i> , 2017, 6, .	6.0	138
3	Optical Mapping of cAMP Signaling at the Nanometer Scale. <i>Cell</i> , 2020, 182, 1519-1530.e17.	28.9	125
4	Receptor-associated independent cAMP nanodomains mediate spatiotemporal specificity of GPCR signaling. <i>Cell</i> , 2022, 185, 1130-1142.e11.	28.9	85
5	cAMP Signals in <i>Drosophila</i> Motor Neurons Are Confined to Single Synaptic Boutons. <i>Cell Reports</i> , 2016, 17, 1238-1246.	6.4	55
6	Kinetics and mechanism of G protein-coupled receptor activation. <i>Current Opinion in Cell Biology</i> , 2014, 27, 87-93.	5.4	51
7	cAMP signaling microdomains and their observation by optical methods. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 350.	3.7	45
8	Experimental and mathematical analysis of cAMP nanodomains. <i>PLoS ONE</i> , 2017, 12, e0174856.	2.5	42
9	A universal bioluminescence resonance energy transfer sensor design enables high-sensitivity screening of GPCR activation dynamics. <i>Communications Biology</i> , 2018, 1, 105.	4.4	36
10	<i>Pseudomonas aeruginosa</i> Homoserine Lactone Activates Store-operated cAMP and Cystic Fibrosis Transmembrane Regulator-dependent Cl ⁻ Secretion by Human Airway Epithelia. <i>Journal of Biological Chemistry</i> , 2010, 285, 34850-34863.	3.4	31
11	Model Organisms in G Protein-Coupled Receptor Research. <i>Molecular Pharmacology</i> , 2015, 88, 596-603.	2.3	21
12	Termination and activation of store-operated cyclic AMP production. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 2715-2725.	3.6	20
13	Glucose increases extracellular [Ca ²⁺] in rat insulinoma (INS-1E) pseudoislets as measured with Ca ²⁺ -sensitive microelectrodes. <i>Cell Calcium</i> , 2012, 51, 393-401.	2.4	17
14	Store-operated cAMP signaling contributes to Ca ²⁺ -activated Cl ⁻ secretion in T84 colonic cells. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G670-G679.	3.4	10
15	Ca ²⁺ -Dependent K ⁺ Efflux Regulates Deoxycholate-Induced Apoptosis of BHK-21 and Caco-2 Cells. <i>Gastroenterology</i> , 2009, 137, 955-964.e2.	1.3	7
16	Bioluminescence in G Protein-Coupled Receptors Drug Screening Using Nanoluciferase and Halo-Tag Technology. <i>Methods in Molecular Biology</i> , 2021, 2268, 137-147.	0.9	6
17	In Vivo cAMP Dynamics in <i>Drosophila</i> Larval Neurons. <i>Methods in Molecular Biology</i> , 2022, 2483, 181-194.	0.9	0