

Margarida Ruas

List of Publications by Year in descending order

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37
papers

3,646
citations

218677

26
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

3839
citing authors

#	ARTICLE	IF	CITATIONS
1	NAADP mobilizes calcium from acidic organelles through two-pore channels. <i>Nature</i> , 2009, 459, 596-600.	27.8	687
2	The p16INK4a/CDKN2A tumor suppressor and its relatives. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1998, 1378, F115-F177.	7.4	488
3	EMSY Links the BRCA2 Pathway to Sporadic Breast and Ovarian Cancer. <i>Cell</i> , 2003, 115, 523-535.	28.9	389
4	Purified TPC Isoforms Form NAADP Receptors with Distinct Roles for Ca ²⁺ Signaling and Endolysosomal Trafficking. <i>Current Biology</i> , 2010, 20, 703-709.	3.9	234
5	TPC2 Is a Novel NAADP-sensitive Ca ²⁺ Release Channel, Operating as a Dual Sensor of Luminal pH and Ca ²⁺ . <i>Journal of Biological Chemistry</i> , 2010, 285, 35039-35046.	3.4	197
6	INK4a-deficient human diploid fibroblasts are resistant to RAS-induced senescence. <i>EMBO Journal</i> , 2002, 21, 2936-2945.	7.8	173
7	Expression of Ca ²⁺ -permeable two-pore channels rescues NAADP signalling in TPC-deficient cells. <i>EMBO Journal</i> , 2015, 34, 1743-1758.	7.8	144
8	VEGF-induced neoangiogenesis is mediated by NAADP and two-pore channel-dependent Ca ²⁺ signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4706-15.	7.1	138
9	Photoaffinity Labeling of High Affinity Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)-Binding Proteins in Sea Urchin Egg. <i>Journal of Biological Chemistry</i> , 2012, 287, 2308-2315.	3.4	110
10	PLC ζ is the physiological trigger of the Ca ²⁺ oscillations that induce embryogenesis in mammals but offspring can be conceived in its absence. <i>Development (Cambridge)</i> , 2017, 144, 2914-2924.	2.5	95
11	NAADP as an intracellular messenger regulating lysosomal calcium-release channels. <i>Biochemical Society Transactions</i> , 2010, 38, 1424-1431.	3.4	91
12	TPC1 Has Two Variant Isoforms, and Their Removal Has Different Effects on Endo-Lysosomal Functions Compared to Loss of TPC2. <i>Molecular and Cellular Biology</i> , 2014, 34, 3981-3992.	2.3	76
13	Loss of activity mutations in phospholipase C zeta (PLC ζ) abolishes calcium oscillatory ability of human recombinant protein in mouse oocytes. <i>Human Reproduction</i> , 2011, 26, 3372-3387.	0.9	75
14	TPC2 Proteins Mediate Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)- and Agonist-evoked Contractions of Smooth Muscle. <i>Journal of Biological Chemistry</i> , 2010, 285, 24925-24932.	3.4	71
15	Functional evaluation of tumour-specific variants of p16INK4a/CDKN2A: correlation with protein structure information. <i>Oncogene</i> , 1999, 18, 5423-5434.	5.9	69
16	Ebolavirus Glycoprotein Directs Fusion through NPC1 Endolysosomes. <i>Journal of Virology</i> , 2016, 90, 605-610.	3.4	67
17	Two-pore Channels (TPC2s) and Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) at Lysosomal-Sarcoplasmic Reticular Junctions Contribute to Acute and Chronic β^2 -Adrenoceptor Signaling in the Heart. <i>Journal of Biological Chemistry</i> , 2015, 290, 30087-30098.	3.4	63
18	Ca ²⁺ Signaling Occurs via Second Messenger Release from Intraorganelle Synthesis Sites. <i>Current Biology</i> , 2008, 18, 1612-1618.	3.9	61

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19	CDK4 and CDK6 Delay Senescence by Kinase-Dependent and p16 INK4a -Independent Mechanisms. <i>Molecular and Cellular Biology</i> , 2007, 27, 4273-4282.	2.3	52
20	NAADP receptors. <i>Cell Calcium</i> , 2005, 38, 273-280.	2.4	51
21	Two-pore Channels Form Homo- and Heterodimers. <i>Journal of Biological Chemistry</i> , 2011, 286, 37058-37062.	3.4	51
22	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic I^2 Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 21376-21392.	3.4	48
23	A <i>CDKN2A</i> Mutation in Familial Melanoma that Abrogates Binding of p16INK4a to CDK4 but not CDK6. <i>Cancer Research</i> , 2007, 67, 9134-9141.	0.9	47
24	Synthesis of the Ca^{2+} -mobilizing messengers NAADP and cADPR by intracellular CD38 enzyme in the mouse heart: Role in I^2 -adrenoceptor signaling. <i>Journal of Biological Chemistry</i> , 2017, 292, 13243-13257.	3.4	44
25	TPC: the NAADP discovery channel?. <i>Biochemical Society Transactions</i> , 2015, 43, 384-389.	3.4	41
26	Two-Pore Channel 2 activity is required for slow muscle cell-generated Ca^{2+} signaling during myogenesis in intact zebrafish. <i>International Journal of Developmental Biology</i> , 2015, 59, 313-325.	0.6	30
27	Two-Pore Channels: Lessons from Mutant Mouse Models. <i>Messenger (Los Angeles, Calif: Print)</i> , 2015, 4, 4-22.	0.3	22
28	Isolation and prevalidation of an <i>Escherichia coli</i> tester strain for the use in mechanistic and metabolic studies of genotoxins. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1994, 312, 99-109.	0.4	10
29	Preparation and Use of Sea Urchin Egg Homogenates for Studying NAADP-Mediated Ca^{2+} Release. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076901-pdb.prot076901.	0.3	6
30	Methods in Cyclic ADP-Ribose and NAADP Research. , 2005, , 265-334.		4
31	Synthesis of NAADP-AM as a Membrane-Permeant NAADP Analog. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076927.	0.3	3
32	Carvedilol Inhibits cADPR- and IP3-Induced Ca^{2+} Release. <i>Messenger (Los Angeles, Calif: Print)</i> , 2016, 5, 92-99.	0.3	3
33	<i>Tpcn2</i> knockout mice have improved insulin sensitivity and are protected against high-fat diet-induced weight gain. <i>Physiological Genomics</i> , 2018, 50, 605-614.	2.3	3
34	Synthesis of [³² P]NAADP for the Radioreceptor Binding Assay. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076919.	0.3	1
35	Measurement of Luminal pH of Acidic Stores as a Readout for NAADP Action. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076935.	0.3	1
36	Reply to "TPC1 Knockout Knocks Out TPC1". <i>Molecular and Cellular Biology</i> , 2015, 35, 1884-1884.	2.3	1

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37	Synthesis of Caged NAADP. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot076943-pdb.prot076943.	0.3	0