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## Dynamics of ATP-induced calcium signaling in single mouse thymocytes

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#	Paper	IF	Citations
44	Ion channels in the immune system as targets for immunosuppression. <i>Current Opinion in Biotechnology</i> , <b>1997</b> , 8, 749-56	11.4	136
43	Relations between intracellular Ca <sup>2+</sup> stores and store-operated Ca <sup>2+</sup> entry in primary cultured human glioblastoma cells. <i>Journal of Physiology</i> , <b>1998</b> , 513 ( Pt 2), 411-24	3.9	53
42	Characterisation of calcium signalling in DT40 chicken B-cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1998</b> , 1448, 299-310	4.9	18
41	Isoquinolines as antagonists of the P2X7 nucleotide receptor: high selectivity for the human versus rat receptor homologues. <i>Molecular Pharmacology</i> , <b>1998</b> , 54, 22-32	4.3	186
40	Extracellular ATP: a further modulator in neuroendocrine control of the thymus. <i>NeuroImmunoModulation</i> , <b>1999</b> , 6, 81-9	2.5	12
39	ATP-evoked Ca <sup>2+</sup> transients and currents in murine thymocytes: possible role for P2X receptors in death by neglect. <i>European Journal of Immunology</i> , <b>1999</b> , 29, 1635-46	6.1	31
38	Expression and a role of functionally coupled P2Y receptors in human dendritic cells. <i>FEBS Letters</i> , <b>1999</b> , 445, 402-8	3.8	40
37	The diversity of calcium channels and their regulation in epithelial cells. <i>Advances in Pharmacology</i> , <b>1999</b> , 46, 43-83	5.7	8
36	Apoptosis of murine thymocytes induced by extracellular ATP is dose- and cytosolic pH-dependent. <i>Immunology Letters</i> , <b>2000</b> , 72, 23-30	4.1	32
35	Procedures to characterize and study P2Z/P2X7 purinoceptor: flow cytometry as a promising practical, reliable tool. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2000</b> , 95, 415-28	2.6	9
34	Calcium signaling mechanisms in T lymphocytes. <i>Annual Review of Immunology</i> , <b>2001</b> , 19, 497-521	34.7	697
33	Nucleotide receptors: an emerging family of regulatory molecules in blood cells. <i>Blood</i> , <b>2001</b> , 97, 587-600.	10.2	607
32	Microfluorimetric Analysis of a Purinergic Receptor (P2X 7 ) in GH 4 C 1 Rat Pituitary Cells: Effects of a Bioactive Substance Produced by Pfiesteria piscicida. <i>Environmental Health Perspectives</i> , <b>2001</b> , 109, 731	8.4	5
31	Microfluorimetric analysis of a purinergic receptor (P2X7) in GH4C1 rat pituitary cells: effects of a bioactive substance produced by Pfiesteria piscicida. <i>Environmental Health Perspectives</i> , <b>2001</b> , 109 Suppl 5, 731-7	8.4	36
30	P2X7 nucleotide receptor: Modulation of LPS-induced macrophage signaling and mediator production. <i>Drug Development Research</i> , <b>2001</b> , 53, 91-104	5.1	25
29	Molecular properties and physiological roles of ion channels in the immune system. <i>Journal of Clinical Immunology</i> , <b>2001</b> , 21, 235-52	5.7	190
28	Kinetics of activation of a PKC-regulated epithelial calcium channel. <i>Cell Calcium</i> , <b>2001</b> , 29, 263-75	4	8

27	Fundamental Ca <sup>2+</sup> signaling mechanisms in mouse dendritic cells: CRAC is the major Ca <sup>2+</sup> entry pathway. <i>Journal of Immunology</i> , <b>2001</b> , 166, 6126-33	5.3	72
26	Molecular physiology of P2X receptors. <i>Physiological Reviews</i> , <b>2002</b> , 82, 1013-67	47.9	2369
25	ATP-stimulated Ca <sup>2+</sup> influx and phospholipase D activities of a rat brain-derived type-2 astrocyte cell line, RBA-2, are mediated through P2X7 receptors. <i>Journal of Neurochemistry</i> , <b>1999</b> , 73, 334-43	6	64
24	Involvement of sodium in early phosphatidylserine exposure and phospholipid scrambling induced by P2X7 purinoceptor activation in thymocytes. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 21815-23	5.4	23
23	Cellular distribution and functions of P2 receptor subtypes in different systems. <i>International Review of Cytology</i> , <b>2004</b> , 240, 31-304		574
22	Adult rat cardiomyocytes exhibit capacitative calcium entry. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 286, H1124-32	5.2	73
21	Effect of melatonin on phagocytic activity and intracellular free calcium concentration in testicular macrophages from normal and streptozotocin-induced diabetic rats. <i>Molecular and Cellular Biochemistry</i> , <b>2005</b> , 275, 207-13	4.2	20
20	ATP-induced apoptosis of thymocytes is mediated by activation of P2 X 7 receptor and involves de novo ceramide synthesis and mitochondria. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2006</b> , 1761, 73-82	5	26
19	Expression of P2 receptors in human B cells and Epstein-Barr virus-transformed lymphoblastoid cell lines. <i>BMC Immunology</i> , <b>2006</b> , 7, 22	3.7	25
18	P2X7 receptors regulate NKT cells in autoimmune hepatitis. <i>Journal of Immunology</i> , <b>2006</b> , 176, 2152-60	5.3	79
17	Extracellular NAD(+) induces a rise in [Ca <sup>2+</sup> ] <sub>i</sub> in activated human monocytes via engagement of P2Y(1) and P2Y(11) receptors. <i>Cell Calcium</i> , <b>2009</b> , 46, 263-72	4	38
16	ORAI1 and STIM1 deficiency in human and mice: roles of store-operated Ca <sup>2+</sup> entry in the immune system and beyond. <i>Immunological Reviews</i> , <b>2009</b> , 231, 189-209	11.3	245
15	Recent patents on novel P2X(7) receptor antagonists and their potential for reducing central nervous system inflammation. <i>Recent Patents on CNS Drug Discovery</i> , <b>2010</b> , 5, 35-45		51
14	Immunodeficiency due to defects in store-operated calcium entry. <i>Annals of the New York Academy of Sciences</i> , <b>2011</b> , 1238, 74-90	6.5	82
13	Measuring enzyme activity in single cells. <i>Trends in Biotechnology</i> , <b>2011</b> , 29, 222-30	15.1	71
12	Purinergic P2X7 receptor drives T cell lineage choice and shapes peripheral T cells. <i>Journal of Immunology</i> , <b>2012</b> , 189, 174-80	5.3	30
11	The calcium-sensing receptor regulates the NLRP3 inflammasome through Ca <sup>2+</sup> and cAMP. <i>Nature</i> , <b>2012</b> , 492, 123-7	50.4	584
10	Barcoding T cell calcium response diversity with methods for automated and accurate analysis of cell signals (MAAACS). <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1003245	5	23

9	Purinergic signalling and immune cells. <i>Purinergic Signalling</i> , <b>2014</b> , 10, 529-64	3.8	182
8	Putative roles of purinergic signaling in human immunodeficiency virus-1 infection. <i>Biology Direct</i> , <b>2014</b> , 9, 21	7.2	9
7	Purinergic signalling in endocrine organs. <i>Purinergic Signalling</i> , <b>2014</b> , 10, 189-231	3.8	50
6	Ion channels in innate and adaptive immunity. <i>Annual Review of Immunology</i> , <b>2015</b> , 33, 291-353	34.7	353
5	Calcium supplementation decreases BCP-induced inflammatory processes in blood cells through the NLRP3 inflammasome down-regulation. <i>Acta Biomaterialia</i> , <b>2017</b> , 57, 462-471	10.8	4
4	Magnesium protects against sepsis by blocking gasdermin D N-terminal-induced pyroptosis. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 466-481	12.7	28
3	The P2X7 Receptor as Regulator of T Cell Development and Function. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1179	8.4	12
2	Role of P2 Receptors in the Immune System. <i>Handbook of Experimental Pharmacology</i> , <b>2001</b> , 323-354	3.2	7
1	The P2X7 receptor in mucosal adaptive immunity.		0