

Patrick G Hogan

List of Publications by Year in descending order

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51
papers

16,167
citations

108046

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214428

50
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all docs

52
docs citations

52
times ranked

17477
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcineurin: A star is reborn. <i>Cell Calcium</i> , 2021, 94, 102324.	1.1	2
2	Calcium signals regulate the functional differentiation of thymic iNKT cells. <i>EMBO Journal</i> , 2021, 40, e107901.	3.5	3
3	BATF and IRF4 cooperate to counter exhaustion in tumor-infiltrating CAR T cells. <i>Nature Immunology</i> , 2021, 22, 983-995.	7.0	147
4	STIM calcium sensing and conformational change. <i>Journal of Physiology</i> , 2020, 598, 1695-1705.	1.3	21
5	L-type Ca ²⁺ channel blockers promote vascular remodeling through activation of STIM proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17369-17380.	3.3	37
6	Septins organize endoplasmic reticulum-plasma membrane junctions for STIM1-ORAI1 calcium signalling. <i>Scientific Reports</i> , 2019, 9, 10839.	1.6	29
7	Defining "T cell exhaustion". <i>Nature Reviews Immunology</i> , 2019, 19, 665-674.	10.6	879
8	TOX and TOX2 transcription factors cooperate with NR4A transcription factors to impose CD8 ⁺ T cell exhaustion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12410-12415.	3.3	481
9	Targeting the NFAT:AP-1 transcriptional complex on DNA with a small-molecule inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9959-9968.	3.3	36
10	Subcellular Localization and Activity of the Mitogen-Activated Protein Kinase Kinase 7 (MKK7) Isoform are Regulated through Binding to the Phosphatase Calcineurin. <i>Molecular Pharmacology</i> , 2019, 95, 20-32.	1.0	6
11	Coiled-Coil Formation Conveys a STIM1 Signal from ER Lumen to Cytoplasm. <i>Cell Reports</i> , 2018, 22, 72-83.	2.9	64
12	Calcium sensing by the STIM1 ER-luminal domain. <i>Nature Communications</i> , 2018, 9, 4536.	5.8	51
13	A secretory pathway kinase regulates sarcoplasmic reticulum Ca ²⁺ homeostasis and protects against heart failure. <i>ELife</i> , 2018, 7, .	2.8	22
14	Exhaustion-associated regulatory regions in CD8 ⁺ tumor-infiltrating T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2776-E2785.	3.3	242
15	Calcium ²⁺ NFAT transcriptional signalling in T cell activation and T cell exhaustion. <i>Cell Calcium</i> , 2017, 63, 66-69.	1.1	119
16	Transcriptional and epigenetic regulation of T cell hyporesponsiveness. <i>Journal of Leukocyte Biology</i> , 2017, 102, 601-615.	1.5	39
17	The STIM-Orai Pathway: Orai, the Pore-Forming Subunit of the CRAC Channel. <i>Advances in Experimental Medicine and Biology</i> , 2017, 993, 39-57.	0.8	19
18	Signaling ER Store Depletion to Plasma Membrane Orai Channels. , 2017, , 51-72.		1

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19	Store-operated calcium entry: Mechanisms and modulation. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 40-49.	1.0	166
20	TMEM110 regulates the maintenance and remodeling of mammalian ER-plasma membrane junctions competent for STIM-ORAI signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7083-92.	3.3	58
21	The Transcription Factor NFAT Promotes Exhaustion of Activated CD8 + T Cells. <i>Immunity</i> , 2015, 42, 265-278.	6.6	555
22	The STIM1-ORAI1 microdomain. <i>Cell Calcium</i> , 2015, 58, 357-367.	1.1	81
23	Proteomic mapping of ER-PM junctions identifies STIMATE as a regulator of Ca ²⁺ influx. <i>Nature Cell Biology</i> , 2015, 17, 1339-1347.	4.6	179
24	Near-infrared photoactivatable control of Ca ²⁺ signaling and optogenetic immunomodulation. <i>ELife</i> , 2015, 4, .	2.8	197
25	Structure-Based Optimization of a Peptidyl Inhibitor against Calcineurin-Nuclear Factor of Activated T Cell (NFAT) Interaction. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7792-7797.	2.9	10
26	STIM1 triggers a gating rearrangement at the extracellular mouth of the ORAI1 channel. <i>Nature Communications</i> , 2014, 5, 5164.	5.8	75
27	An siRNA screen for NFAT activation identifies septins as coordinators of store-operated Ca ²⁺ entry. <i>Nature</i> , 2013, 499, 238-242.	13.7	207
28	Initial activation of STIM1, the regulator of store-operated calcium entry. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 973-981.	3.6	175
29	Insights into CRAC channel gating and ion permeation. <i>Cell Research</i> , 2012, 22, 1105-1107.	5.7	2
30	Interaction of calcineurin with substrates and targeting proteins. <i>Trends in Cell Biology</i> , 2011, 21, 91-103.	3.6	302
31	STIM1 gates the store-operated calcium channel ORAI1 in vitro. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 112-116.	3.6	212
32	Molecular Basis of Calcium Signaling in Lymphocytes: STIM and ORAI. <i>Annual Review of Immunology</i> , 2010, 28, 491-533.	9.5	684
33	Dual functions for the endoplasmic reticulum calcium sensors STIM1 and STIM2 in T cell activation and tolerance. <i>Nature Immunology</i> , 2008, 9, 432-443.	7.0	528
34	Structure of Calcineurin in Complex with PVIVIT Peptide: Portrait of a Low-affinity Signalling Interaction. <i>Journal of Molecular Biology</i> , 2007, 369, 1296-1306.	2.0	122
35	A Conserved Docking Site Modulates Substrate Affinity for Calcineurin, Signaling Output, and In Vivo Function. <i>Molecular Cell</i> , 2007, 25, 889-901.	4.5	93
36	Dissecting ICRAC, a store-operated calcium current. <i>Trends in Biochemical Sciences</i> , 2007, 32, 235-245.	3.7	104

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37	A mutation in Orai1 causes immune deficiency by abrogating CRAC channel function. <i>Nature</i> , 2006, 441, 179-185.	13.7	2,016
38	Orai1 is an essential pore subunit of the CRAC channel. <i>Nature</i> , 2006, 443, 230-233.	13.7	1,223
39	Calcineurin. <i>Current Biology</i> , 2005, 15, R442-R443.	1.8	33
40	Selective inhibition of calcineurin-NFAT signaling by blocking protein-protein interaction with small organic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7554-7559.	3.3	154
41	Structural Delineation of the Calcineurin-NFAT Interaction and its Parallels to PP1 Targeting Interactions. <i>Journal of Molecular Biology</i> , 2004, 342, 1659-1674.	2.0	77
42	Transcriptional regulation by calcium, calcineurin, and NFAT. <i>Genes and Development</i> , 2003, 17, 2205-2232.	2.7	1,675
43	Concerted Dephosphorylation of the Transcription Factor NFAT1 Induces a Conformational Switch that Regulates Transcriptional Activity. <i>Molecular Cell</i> , 2000, 6, 539-550.	4.5	418
44	Affinity-Driven Peptide Selection of an NFAT Inhibitor More Selective Than Cyclosporin A. <i>Science</i> , 1999, 285, 2129-2133.	6.0	562
45	Structure of the DNA-binding domains from NFAT, Fos and Jun bound specifically to DNA. <i>Nature</i> , 1998, 392, 42-48.	13.7	498
46	Selective Inhibition of NFAT Activation by a Peptide Spanning the Calcineurin Targeting Site of NFAT. <i>Molecular Cell</i> , 1998, 1, 627-637.	4.5	268
47	TRANSCRIPTION FACTORS OF THE NFAT FAMILY: Regulation and Function. <i>Annual Review of Immunology</i> , 1997, 15, 707-747.	9.5	2,417
48	Molecular Identification of a Major Retinoic-Acid-Synthesizing Enzyme, a Retinaldehyde-Specific Dehydrogenase. <i>FEBS Journal</i> , 1996, 240, 15-22.	0.2	306
49	A Similar DNA-binding Motif in NFAT Family Proteins and the Rel Homology Region. <i>Journal of Biological Chemistry</i> , 1995, 270, 4138-4145.	1.6	126
50	Isolation of the cyclosporin-sensitive T cell transcription factor NFATp. <i>Science</i> , 1993, 262, 750-754.	6.0	407
51	Muscle activity decreases rate of degradation of α -bungarotoxin bound to extrajunctional acetylcholine receptors. <i>Nature</i> , 1976, 261, 328-330.	13.7	39