Sonal Srikanth

List of Publications by Year
in descending order

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51	6,882	186265	214800
papers	citations	28 h-index	47 g-index

55	55	55	6537
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ORAI1 Limits SARS-CoV-2 Infection by Regulating Tonic Type I IFN Signaling. Journal of Immunology, 2022, 208, 74-84.	0.8	12
2	Ca2+ Signaling Augmented by ORAI1 Trafficking Regulates the Pathogenic State of Effector T Cells. Journal of Immunology, 2022, 208, 1329-1340.	0.8	3
3	Blue light opens the ORAI1 LOC(K). Cell Calcium, 2021, 95, 102371.	2.4	0
4	NKD2 mediates stimulation-dependent ORAI1 trafficking to augment Ca2+ entry in TÂcells. Cell Reports, 2021, 36, 109603.	6.4	2
5	Biallelic mutations in calcium release activated channel regulator 2A (CRACR2A) cause a primary immunodeficiency disorder. ELife, 2021, 10, .	6.0	8
6	The short isoform of extended synaptotagmin-2 controls Ca2+ dynamics in T cells via interaction with STIM1. Scientific Reports, 2020, 10, 14433.	3.3	12
7	A Report of Novel STIM1 Deficiency and 6-Year Follow-Up of Two Previous Cases Associated with Mild Immunological Phenotype. Journal of Clinical Immunology, 2019, 39, 249-256.	3.8	8
8	The Ca2+ sensor STIM1 regulates the type I interferon response by retaining the signaling adaptor STING at the endoplasmic reticulum. Nature Immunology, 2019, 20, 152-162.	14.5	228
9	Deletion of Orai1 leads to bone loss aggravated with aging and impairs function of osteoblast lineage cells. Bone Reports, 2018, 8, 147-155.	0.4	15
10	CRACR2A-Mediated TCR Signaling Promotes Local Effector Th1 and Th17 Responses. Journal of Immunology, 2018, 201, 1174-1185.	0.8	18
11	A large Rab GTPase family in a small GTPase world. Small GTPases, 2017, 8, 43-48.	1.6	34
12	ORAI1 Activates Proliferation of Lymphatic Endothelial Cells in Response to Laminar Flow Through KrÃ¼ppel-Like Factors 2 and 4. Circulation Research, 2017, 120, 1426-1439.	4.5	55
13	Immunological Disorders: Regulation of Ca2+ Signaling in T Lymphocytes. Advances in Experimental Medicine and Biology, 2017, 993, 397-424.	1.6	22
14	Laminar flow downregulates Notch activity to promote lymphatic sprouting. Journal of Clinical Investigation, 2017, 127, 1225-1240.	8.2	113
15	Modulation of Orai1 and STIM1 by Cellular Factors. , 2017, , 73-92.		5
16	Orai1 promotes tumor progression by enhancing cancer stemness via NFAT signaling in oral/oropharyngeal squamous cell carcinoma. Oncotarget, 2016, 7, 43239-43255.	1.8	47
17	Junctophilin-4, a component of the endoplasmic reticulumâ€“plasma membrane junctions, regulates Ca ²⁺ dynamics in T cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2762-2767.	7.1	56
18	Orai1 mediates osteogenic differentiation via BMP signaling pathway in bone marrow mesenchymal stem cells. Biochemical and Biophysical Research Communications, 2016, 473, 1309-1314.	2.1	28

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19	A large Rab GTPase encoded by CRACR2A is a component of subsynaptic vesicles that transmit T cell activation signals. Science Signaling, 2016, 9, ra31.	3.6	29
20	Dental enamel cells express functional SOCE channels. Scientific Reports, 2015, 5, 15803.	3.3	42
21	The Role of ORAI1 in the Odontogenic Differentiation of Human Dental Pulp Stem Cells. Journal of Dental Research, 2015, 94, 1560-1567.	5.2	34
22	The ion channel TRPV1 regulates the activation and proinflammatory properties of CD4+ T cells. Nature Immunology, 2014, 15, 1055-1063.	14.5	193
23	Calcium Signaling via Orai1 Is Essential for Induction of the Nuclear Orphan Receptor Pathway To Drive Th17 Differentiation. Journal of Immunology, 2014, 192, 110-122.	0.8	66
24	Interplay Between the Oxidoreductase PDIA6 and microRNA-322 Controls the Response to Disrupted Endoplasmic Reticulum Calcium Homeostasis. Science Signaling, 2014, 7, ra54.	3.6	92
25	Methods to Measure Cytoplasmic and Mitochondrial Ca2+ Concentration Using Ca2+-Sensitive Dyes. Methods in Enzymology, 2014, 543, 1-20.	1.0	3
26	Orai1-NFAT Signalling Pathway Triggered by T Cell Receptor Stimulation. Molecules and Cells, 2013, 35, 182-194.	2.6	87
27	Measurement of Intracellular Ca2+ Concentration in Single Cells Using Ratiometric Calcium Dyes. Methods in Molecular Biology, 2013, 963, 3-14.	0.9	8
28	Molecular Regulation of the Pore Component of CRAC Channels, Orai1. Current Topics in Membranes, 2013, 71, 181-207.	0.9	16
29	Regulation of CRAC channels by protein interactions and post-translational modification. Channels, 2013, 7, 354-363.	2.8	17
30	Junctate is a Ca ² ⁺ -sensing structural component of Orai1 and stromal interaction molecule 1 (STIM1). Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8682-8687.	7.1	97
31	Orai1, STIM1, and their associating partners. Journal of Physiology, 2012, 590, 4169-4177.	2.9	57
32	The Third Transmembrane Segment of Orai1 Protein Modulates Ca2+ Release-activated Ca2+ (CRAC) Channel Gating and Permeation Properties. Journal of Biological Chemistry, 2011, 286, 35318-35328.	3.4	36
33	ORAI1 Deficiency Impairs Activated T Cell Death and Enhances T Cell Survival. Journal of Immunology, 2011, 187, 3620-3630.	0.8	70
34	Protein Kinase D Orchestrates the Activation of DRAK2 in Response to TCR-Induced Ca2+ Influx and Mitochondrial Reactive Oxygen Generation. Journal of Immunology, 2011, 186, 940-950.	0.8	20
35	A novel EF-hand protein, CRACR2A, is a cytosolic Ca2+ sensor that stabilizes CRAC channels in T cells. Nature Cell Biology, 2010, 12, 436-446.	10.3	202
36	The Intracellular Loop of Orai1 Plays a Central Role in Fast Inactivation of Ca2+ Release-activated Ca2+ Channels. Journal of Biological Chemistry, 2010, 285, 5066-5075.	3.4	76

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37	The Intracellular Loop of Orai1 Plays a Central Role in Fast Inactivation of CRAC Channels. Biophysical Journal, 2010, 98, 540a.	0.5	0
38	Hair Loss and Defective T- and B-Cell Function in Mice Lacking ORAI1. Molecular and Cellular Biology, 2008, 28, 5209-5222.	2.3	275
39	Dynamic Movement of the Calcium Sensor STIM1 and the Calcium Channel Orai1 in Activated T-Cells: Puncta and Distal Caps. Molecular Biology of the Cell, 2008, 19, 2802-2817.	2.1	130
40	Biochemical and Functional Characterization of Orai Proteins. Journal of Biological Chemistry, 2007, 282, 16232-16243.	3.4	340
41	Dynamic Assembly of TRPC1-STIM1-Orai1 Ternary Complex Is Involved in Store-operated Calcium Influx. Journal of Biological Chemistry, 2007, 282, 9105-9116.	3.4	358
42	Signalling to transcription: Store-operated Ca2+ entry and NFAT activation in lymphocytes. Cell Calcium, 2007, 42, 145-156.	2.4	273
43	Dynamic assembly of TRPC1-STIM1-Orai1 ternary complex is involved in store-operated calcium influx.. Journal of Biological Chemistry, 2007, 282, 27556.	3.4	8
44	A genome-wide Drosophila RNAi screen identifies DYRK-family kinases as regulators of NFAT. Nature, 2006, 441, 646-650.	27.8	343
45	A mutation in Orai1 causes immune deficiency by abrogating CRAC channel function. Nature, 2006, 441, 179-185.	27.8	2,016
46	Orai1 is an essential pore subunit of the CRAC channel. Nature, 2006, 443, 230-233.	27.8	1,223
47	Ectopic expression of a Drosophila InsP3R channel mutant has dominant-negative effects in vivo. Cell Calcium, 2006, 39, 187-196.	2.4	7
48	Compensation of Inositol 1,4,5-Trisphosphate Receptor Function by Altering Sarco-Endoplasmic Reticulum Calcium ATPase Activity in the Drosophila Flight Circuit. Journal of Neuroscience, 2006, 26, 8278-8288.	3.6	42
49	Functional Properties of the Drosophila melanogaster Inositol 1,4,5-Trisphosphate Receptor Mutants. Biophysical Journal, 2004, 86, 3634-3646.	0.5	43
50	Functional properties of a pore mutant in theDrosophila melanogasterinositol 1,4,5-trisphosphate receptor. FEBS Letters, 2004, 575, 95-98.	2.8	9
51	NKD2 Mediates Stimulation-Dependent ORAI1 Trafficking to Augment Ca ²⁺ Entry in T Cells. SSRN Electronic Journal, 0, , .	0.4	0