

Sonal Srikanth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3848504/publications.pdf>

Version: 2024-02-01

51
papers

6,882
citations

186265

28
h-index

214800

47
g-index

55
all docs

55
docs citations

55
times ranked

6537
citing authors

#	ARTICLE	IF	CITATIONS
1	A mutation in Orai1 causes immune deficiency by abrogating CRAC channel function. <i>Nature</i> , 2006, 441, 179-185.	27.8	2,016
2	Orai1 is an essential pore subunit of the CRAC channel. <i>Nature</i> , 2006, 443, 230-233.	27.8	1,223
3	Dynamic Assembly of TRPC1-STIM1-Orai1 Ternary Complex Is Involved in Store-operated Calcium Influx. <i>Journal of Biological Chemistry</i> , 2007, 282, 9105-9116.	3.4	358
4	A genome-wide <i>Drosophila</i> RNAi screen identifies DYRK-family kinases as regulators of NFAT. <i>Nature</i> , 2006, 441, 646-650.	27.8	343
5	Biochemical and Functional Characterization of Orai Proteins. <i>Journal of Biological Chemistry</i> , 2007, 282, 16232-16243.	3.4	340
6	Hair Loss and Defective T- and B-Cell Function in Mice Lacking ORAI1. <i>Molecular and Cellular Biology</i> , 2008, 28, 5209-5222.	2.3	275
7	Signalling to transcription: Store-operated Ca ²⁺ entry and NFAT activation in lymphocytes. <i>Cell Calcium</i> , 2007, 42, 145-156.	2.4	273
8	The Ca ²⁺ sensor STIM1 regulates the type I interferon response by retaining the signaling adaptor STING at the endoplasmic reticulum. <i>Nature Immunology</i> , 2019, 20, 152-162.	14.5	228
9	A novel EF-hand protein, CRACR2A, is a cytosolic Ca ²⁺ sensor that stabilizes CRAC channels in T cells. <i>Nature Cell Biology</i> , 2010, 12, 436-446.	10.3	202
10	The ion channel TRPV1 regulates the activation and proinflammatory properties of CD4 ⁺ T cells. <i>Nature Immunology</i> , 2014, 15, 1055-1063.	14.5	193
11	Dynamic Movement of the Calcium Sensor STIM1 and the Calcium Channel Orai1 in Activated T-Cells: Puncta and Distal Caps. <i>Molecular Biology of the Cell</i> , 2008, 19, 2802-2817.	2.1	130
12	Laminar flow downregulates Notch activity to promote lymphatic sprouting. <i>Journal of Clinical Investigation</i> , 2017, 127, 1225-1240.	8.2	113
13	Junctate is a Ca ²⁺ -sensing structural component of Orai1 and stromal interaction molecule 1 (STIM1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8682-8687.	7.1	97
14	Interplay Between the Oxidoreductase PDIA6 and microRNA-322 Controls the Response to Disrupted Endoplasmic Reticulum Calcium Homeostasis. <i>Science Signaling</i> , 2014, 7, ra54.	3.6	92
15	Orai1-NFAT Signalling Pathway Triggered by T Cell Receptor Stimulation. <i>Molecules and Cells</i> , 2013, 35, 182-194.	2.6	87
16	The Intracellular Loop of Orai1 Plays a Central Role in Fast Inactivation of Ca ²⁺ Release-activated Ca ²⁺ Channels. <i>Journal of Biological Chemistry</i> , 2010, 285, 5066-5075.	3.4	76
17	ORAI1 Deficiency Impairs Activated T Cell Death and Enhances T Cell Survival. <i>Journal of Immunology</i> , 2011, 187, 3620-3630.	0.8	70
18	Calcium Signaling via Orai1 Is Essential for Induction of the Nuclear Orphan Receptor Pathway To Drive Th17 Differentiation. <i>Journal of Immunology</i> , 2014, 192, 110-122.	0.8	66

#	ARTICLE	IF	CITATIONS
19	Orai1, STIM1, and their associating partners. <i>Journal of Physiology</i> , 2012, 590, 4169-4177.	2.9	57
20	Junctophilin-4, a component of the endoplasmic reticulum-plasma membrane junctions, regulates Ca ²⁺ dynamics in T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2762-2767.	7.1	56
21	ORAI1 Activates Proliferation of Lymphatic Endothelial Cells in Response to Laminar Flow Through KrÄppel-Like Factors 2 and 4. <i>Circulation Research</i> , 2017, 120, 1426-1439.	4.5	55
22	Orai1 promotes tumor progression by enhancing cancer stemness <i>via</i> NFAT signaling in oral/oropharyngeal squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 43239-43255.	1.8	47
23	Functional Properties of the <i>Drosophila melanogaster</i> Inositol 1,4,5-Trisphosphate Receptor Mutants. <i>Biophysical Journal</i> , 2004, 86, 3634-3646.	0.5	43
24	Compensation of Inositol 1,4,5-Trisphosphate Receptor Function by Altering Sarco-Endoplasmic Reticulum Calcium ATPase Activity in the <i>Drosophila</i> Flight Circuit. <i>Journal of Neuroscience</i> , 2006, 26, 8278-8288.	3.6	42
25	Dental enamel cells express functional SOCE channels. <i>Scientific Reports</i> , 2015, 5, 15803.	3.3	42
26	The Third Transmembrane Segment of Orai1 Protein Modulates Ca ²⁺ Release-activated Ca ²⁺ (CRAC) Channel Gating and Permeation Properties. <i>Journal of Biological Chemistry</i> , 2011, 286, 35318-35328.	3.4	36
27	The Role of ORAI1 in the Odontogenic Differentiation of Human Dental Pulp Stem Cells. <i>Journal of Dental Research</i> , 2015, 94, 1560-1567.	5.2	34
28	A large Rab GTPase family in a small GTPase world. <i>Small GTPases</i> , 2017, 8, 43-48.	1.6	34
29	A large Rab GTPase encoded by <i>CRACR2A</i> is a component of subsynaptic vesicles that transmit T cell activation signals. <i>Science Signaling</i> , 2016, 9, ra31.	3.6	29
30	Orai1 mediates osteogenic differentiation via BMP signaling pathway in bone marrow mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 1309-1314.	2.1	28
31	Immunological Disorders: Regulation of Ca ²⁺ Signaling in T Lymphocytes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 993, 397-424.	1.6	22
32	Protein Kinase D Orchestrates the Activation of DRAK2 in Response to TCR-Induced Ca ²⁺ Influx and Mitochondrial Reactive Oxygen Generation. <i>Journal of Immunology</i> , 2011, 186, 940-950.	0.8	20
33	CRACR2A-Mediated TCR Signaling Promotes Local Effector Th1 and Th17 Responses. <i>Journal of Immunology</i> , 2018, 201, 1174-1185.	0.8	18
34	Regulation of CRAC channels by protein interactions and post-translational modification. <i>Channels</i> , 2013, 7, 354-363.	2.8	17
35	Molecular Regulation of the Pore Component of CRAC Channels, Orai1. <i>Current Topics in Membranes</i> , 2013, 71, 181-207.	0.9	16
36	Deletion of Orai1 leads to bone loss aggravated with aging and impairs function of osteoblast lineage cells. <i>Bone Reports</i> , 2018, 8, 147-155.	0.4	15

#	ARTICLE	IF	CITATIONS
37	The short isoform of extended synaptotagmin-2 controls Ca ²⁺ dynamics in T cells via interaction with STIM1. <i>Scientific Reports</i> , 2020, 10, 14433.	3.3	12
38	ORAI1 Limits SARS-CoV-2 Infection by Regulating Tonic Type I IFN Signaling. <i>Journal of Immunology</i> , 2022, 208, 74-84.	0.8	12
39	Functional properties of a pore mutant in the <i>Drosophila melanogaster</i> inositol 1,4,5-trisphosphate receptor. <i>FEBS Letters</i> , 2004, 575, 95-98.	2.8	9
40	Measurement of Intracellular Ca ²⁺ Concentration in Single Cells Using Ratiometric Calcium Dyes. <i>Methods in Molecular Biology</i> , 2013, 963, 3-14.	0.9	8
41	A Report of Novel STIM1 Deficiency and 6-Year Follow-Up of Two Previous Cases Associated with Mild Immunological Phenotype. <i>Journal of Clinical Immunology</i> , 2019, 39, 249-256.	3.8	8
42	Dynamic assembly of TRPC1-STIM1-Orai1 ternary complex is involved in store-operated calcium influx.. <i>Journal of Biological Chemistry</i> , 2007, 282, 27556.	3.4	8
43	Biallelic mutations in calcium release activated channel regulator 2A (CRACR2A) cause a primary immunodeficiency disorder. <i>ELife</i> , 2021, 10, .	6.0	8
44	Ectopic expression of a <i>Drosophila</i> InsP3R channel mutant has dominant-negative effects in vivo. <i>Cell Calcium</i> , 2006, 39, 187-196.	2.4	7
45	Modulation of Orai1 and STIM1 by Cellular Factors. , 2017, , 73-92.		5
46	Methods to Measure Cytoplasmic and Mitochondrial Ca ²⁺ Concentration Using Ca ²⁺ -Sensitive Dyes. <i>Methods in Enzymology</i> , 2014, 543, 1-20.	1.0	3
47	Ca ²⁺ Signaling Augmented by ORAI1 Trafficking Regulates the Pathogenic State of Effector T Cells. <i>Journal of Immunology</i> , 2022, 208, 1329-1340.	0.8	3
48	NKD2 mediates stimulation-dependent ORAI1 trafficking to augment Ca ²⁺ entry in T cells. <i>Cell Reports</i> , 2021, 36, 109603.	6.4	2
49	The Intracellular Loop of Orai1 Plays a Central Role in Fast Inactivation of CRAC Channels. <i>Biophysical Journal</i> , 2010, 98, 540a.	0.5	0
50	NKD2 Mediates Stimulation-Dependent ORAI1 Trafficking to Augment Ca ²⁺ Entry in T Cells. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
51	Blue light opens the ORAI1 LOC(K). <i>Cell Calcium</i> , 2021, 95, 102371.	2.4	0