

Maud Frieden

List of Publications by Year in descending order

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42
papers

2,675
citations

186265

28
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276875

41
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46
all docs

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docs citations

46
times ranked

3568
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation and Migration of Human Skeletal Muscle Stem Cells In Vitro Differently Rely on Calcium Signals. <i>Cells</i> , 2022, 11, 1689.	4.1	0
2	The p.E152K-STIM1 mutation deregulates Ca ²⁺ signaling contributing to chronic pancreatitis. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	4
3	Nanopattern surface improves cultured human myotube maturation. <i>Skeletal Muscle</i> , 2021, 11, 12.	4.2	9
4	Store-Operated Calcium Entry in Skeletal Muscle: What Makes It Different?. <i>Cells</i> , 2021, 10, 2356.	4.1	7
5	S-acylation by ZDHHC20 targets ORAI1 channels to lipid rafts for efficient Ca ²⁺ signaling by Jurkat T cell receptors at the immune synapse. <i>ELife</i> , 2021, 10, .	6.0	23
6	STIM1 long and STIM1 gate differently TRPC1 during store-operated calcium entry. <i>Cell Calcium</i> , 2020, 86, 102134.	2.4	15
7	TRPC1 and TRPC4 channels functionally interact with STIM1L to promote myogenesis and maintain fast repetitive Ca ²⁺ release in human myotubes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 806-813.	4.1	41
8	Calumenin contributes to ER-Ca ²⁺ homeostasis in bronchial epithelial cells expressing WT and F508del mutated CFTR and to F508del-CFTR retention. <i>Cell Calcium</i> , 2017, 62, 47-59.	2.4	11
9	Neurological and Motor Disorders: TRPC in the Skeletal Muscle. <i>Advances in Experimental Medicine and Biology</i> , 2017, 993, 557-575.	1.6	12
10	Distinct roles of NFATc1 and NFATc4 in human primary myoblast differentiation and in reserve cell maintenance. <i>Journal of Cell Science</i> , 2017, 130, 3083-3093.	2.0	9
11	Isolation of Human Myoblasts, Assessment of Myogenic Differentiation, and Store-operated Calcium Entry Measurement. <i>Journal of Visualized Experiments</i> , 2017, . .	0.3	5
12	Airway Epithelial Cell Integrity Protects from Cytotoxicity of <i>Pseudomonas aeruginosa</i> Quorum-Sensing Signals. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 265-275.	2.9	36
13	STIM1L traps and gates Orai1 channels without remodeling the cortical ER. <i>Journal of Cell Science</i> , 2015, 128, 1568-79.	2.0	44
14	SERCA and PMCA pumps contribute to the deregulation of Ca ²⁺ homeostasis in human CF epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 892-903.	4.1	21
15	Inositol 1,4,5 trisphosphate receptor 1 is a key player of human myoblast differentiation. <i>Cell Calcium</i> , 2014, 56, 513-521.	2.4	28
16	Nicotine mediates oxidative stress and apoptosis through cross talk between NOX1 and Bcl-2 in lung epithelial cells. <i>Free Radical Biology and Medicine</i> , 2014, 76, 173-184.	2.9	44
17	During post-natal human myogenesis, normal myotube size requires TRPC1 and TRPC4 mediated Ca ²⁺ entry. <i>Journal of Cell Science</i> , 2013, 126, 2525-33.	2.0	44
18	mTOR complex 2-Akt signaling at mitochondria-associated endoplasmic reticulum membranes (MAM) regulates mitochondrial physiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12526-12534.	7.1	435

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19	Activation of Transient Receptor Potential Canonical 3 (TRPC3)-mediated Ca ²⁺ Entry by A1 Adenosine Receptor in Cardiomyocytes Disturbs Atrioventricular Conduction. <i>Journal of Biological Chemistry</i> , 2012, 287, 26688-26701.	3.4	28
20	Transient Receptor Potential Canonical Channels Are Required for in Vitro Endothelial Tube Formation. <i>Journal of Biological Chemistry</i> , 2012, 287, 5917-5927.	3.4	85
21	Remodelling of the endoplasmic reticulum during store-operated calcium entry. <i>Biology of the Cell</i> , 2011, 103, 365-380.	2.0	58
22	Thapsigargin activates Ca ²⁺ entry both by store-dependent, STIM1/Orai1-mediated, and store-independent, TRPC3/PLC/PKC-mediated pathways in human endothelial cells. <i>Cell Calcium</i> , 2011, 49, 115-127.	2.4	60
23	Local Cytosolic Ca ²⁺ Elevations Are Required for Stromal Interaction Molecule 1 (STIM1) De-oligomerization and Termination of Store-operated Ca ²⁺ Entry. <i>Journal of Biological Chemistry</i> , 2011, 286, 36448-36459.	3.4	37
24	Electrophysiological characterization of store-operated and agonist-induced Ca ²⁺ entry pathways in endothelial cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 109-120.	2.8	16
25	SLP-2 negatively modulates mitochondrial sodium-calcium exchange. <i>Cell Calcium</i> , 2010, 47, 11-18.	2.4	35
26	Regulation of plasma membrane calcium fluxes by mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1383-1394.	1.0	107
27	Dysfunction of mitochondria Ca ²⁺ uptake in cystic fibrosis airway epithelial cells. <i>Mitochondrion</i> , 2009, 9, 232-241.	3.4	50
28	STIM1 Knockdown Reveals That Store-operated Ca ²⁺ Channels Located Close to Sarco/Endoplasmic Ca ²⁺ ATPases (SERCA) Pumps Silently Refill the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2007, 282, 11456-11464.	3.4	128
29	Mitochondria and Ca ²⁺ signaling: old guests, new functions. <i>Pflügers Archiv European Journal of Physiology</i> , 2007, 455, 375-396.	2.8	127
30	Subplasmalemmal Mitochondria Modulate the Activity of Plasma Membrane Ca ²⁺ -ATPases. <i>Journal of Biological Chemistry</i> , 2005, 280, 43198-43208.	3.4	67
31	The Role of Mitochondria for Ca ²⁺ Refilling of the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2005, 280, 12114-12122.	3.4	139
32	Twenty Years of Calcium Imaging: Cell Physiology to Dye For. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2005, 5, 112-127.	3.4	42
33	Ca ²⁺ Homeostasis during Mitochondrial Fragmentation and Perinuclear Clustering Induced by hFis1. <i>Journal of Biological Chemistry</i> , 2004, 279, 22704-22714.	3.4	183
34	Measurements of the free luminal ER Ca ²⁺ concentration with targeted <i>cameleon</i> fluorescent proteins. <i>Cell Calcium</i> , 2003, 34, 109-119.	2.4	113
35	Sustained Ca ²⁺ Transfer across Mitochondria Is Essential for Mitochondrial Ca ²⁺ Buffering, Store-operated Ca ²⁺ Entry, and Ca ²⁺ Store Refilling. <i>Journal of Biological Chemistry</i> , 2003, 278, 44769-44779.	3.4	170
36	Mitochondria Efficiently Buffer Subplasmalemmal Ca ²⁺ Elevation during Agonist Stimulation. <i>Journal of Biological Chemistry</i> , 2003, 278, 10807-10815.	3.4	84

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37	Calreticulin Differentially Modulates Calcium Uptake and Release in the Endoplasmic Reticulum and Mitochondria. <i>Journal of Biological Chemistry</i> , 2002, 277, 46696-46705.	3.4	141
38	Subplasmalemmal endoplasmic reticulum controls KCachannel activity upon stimulation with a moderate histamine concentration in a human umbilical vein endothelial cell line. <i>Journal of Physiology</i> , 2002, 540, 73-84.	2.9	37
39	Tissue-specific expression of human lipoprotein lipase in the vascular system affects vascular reactivity in transgenic mice. <i>British Journal of Pharmacology</i> , 2002, 135, 143-154.	5.4	25
40	Histamine-induced Ca ²⁺ oscillations in a human endothelial cell line depend on transmembrane ion flux, ryanodine receptors and endoplasmic reticulum Ca ²⁺ -ATPase. <i>Journal of Physiology</i> , 2000, 524, 701-713.	2.9	73
41	Subplasmalemmal ryanodine-sensitive Ca ²⁺ release contributes to Ca ²⁺ -dependent K ⁺ channel activation in a human umbilical vein endothelial cell line. <i>Journal of Physiology</i> , 2000, 524, 715-724.	2.9	30
42	An intercellular regenerative calcium wave in porcine coronary artery endothelial cells in primary culture. <i>Journal of Physiology</i> , 1998, 513, 103-116.	2.9	52