

Calcium Signaling

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Distribution of ion channels in trigeminal ganglion neuron of rat. The Journal of Korean Academy of Conservative Dentistry, 2002, 27, 451.	0.3	0
2	Cellular pathology induced by snake venom phospholipase A2 myotoxins and neurotoxins: common aspects of their mechanisms of action. Cellular and Molecular Life Sciences, 2008, 65, 2897-2912.	2.4	230
3	Glycogen branching enzyme: a novel deltamethrin resistance-associated gene from Culex pipiens pallens. Parasitology Research, 2008, 103, 449-458.	0.6	10
4	Molecular characterization of the Aspergillus fumigatus NCS-1 homologue, NcsA. Molecular Genetics and Genomics, 2008, 280, 483-95.	1.0	11
5	Metals in Neurobiology: Probing Their Chemistry and Biology with Molecular Imaging. Chemical Reviews, 2008, 108, 1517-1549.	23.0	1,873
6	Bax Inhibitor-1 Is a pH-dependent Regulator of Ca ²⁺ Channel Activity in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2008, 283, 15946-15955.	1.6	101
7	Ca ²⁺ microdomains near plasma membrane Ca ²⁺ channels: impact on cell function. Journal of Physiology, 2008, 586, 3043-3054.	1.3	204
8	Orai, STIM1 and iPLA ₂ ^γ : a view from a different perspective. Journal of Physiology, 2008, 586, 3035-3042.	1.3	79
9	Calcium and apoptosis: ER-mitochondria Ca ²⁺ transfer in the control of apoptosis. Oncogene, 2008, 27, 6407-6418.	2.6	944
10	Ca ²⁺ signalling checkpoints in cancer: remodelling Ca ²⁺ for cancer cell proliferation and survival. Nature Reviews Cancer, 2008, 8, 361-375.	12.8	600
11	STIM, ORAI AND TRPC CHANNELS IN THE CONTROL OF CALCIUM ENTRY SIGNALS IN SMOOTH MUSCLE. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 1127-1133.	0.9	98
12	The versatility of mitochondrial calcium signals: From stimulation of cell metabolism to induction of cell death. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 808-816.	0.5	106
13	Timing in Cellular Ca ²⁺ Signaling. Current Biology, 2008, 18, R769-R776.	1.8	52
14	Structures of CaV2 Ca ²⁺ /CaM-IQ Domain Complexes Reveal Binding Modes that Underlie Calcium-Dependent Inactivation and Facilitation. Structure, 2008, 16, 1455-1467.	1.6	96
15	An Altered Mode of Calcium Coordination in Methionine-Oxidized Calmodulin. Biophysical Journal, 2008, 95, 5268-5280.	0.2	12
16	Feedback Loops Shape Cellular Signals in Space and Time. Science, 2008, 322, 390-395.	6.0	415
17	Genetically encoded fluorescent sensors for studying healthy and diseased nervous systems. Drug Discovery Today: Disease Models, 2008, 5, 27-35.	1.2	10
18	Control of hyperactivation in sperm. Human Reproduction Update, 2008, 14, 647-657.	5.2	472

#	ARTICLE	IF	CITATIONS
19	Zinc signalling and subcellular distribution: emerging targets in type 2 diabetes. <i>Trends in Molecular Medicine</i> , 2008, 14, 419-428.	3.5	80
20	Calmodulin-Kinases: Modulators of Neuronal Development and Plasticity. <i>Neuron</i> , 2008, 59, 914-931.	3.8	506
21	Imaging a target of Ca ²⁺ signalling: Dense core granule exocytosis viewed by total internal reflection fluorescence microscopy. <i>Methods</i> , 2008, 46, 233-238.	1.9	20
22	Akt kinase reducing endoplasmic reticulum Ca ²⁺ release protects cells from Ca ²⁺ -dependent apoptotic stimuli. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 501-505.	1.0	109
23	Cloning and characterization of myosin regulatory light chain (MRLC) gene from <i>Culex pipiens pallens</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 151, 230-235.	0.7	18
24	Calcium Sparks. <i>Physiological Reviews</i> , 2008, 88, 1491-1545.	13.1	540
25	Structure of Ca ²⁺ -Bound S100A4 and Its Interaction with Peptides Derived from Nonmuscle Myosin-IIA. <i>Biochemistry</i> , 2008, 47, 5111-5126.	1.2	72
26	AQP4 knockout impairs proliferation, migration and neuronal differentiation of adult neural stem cells. <i>Journal of Cell Science</i> , 2008, 121, 4029-4036.	1.2	128
27	Mechanism of Ca ²⁺ -dependent desensitization in TRP channels. <i>Channels</i> , 2008, 2, 125-129.	1.5	50
28	Regulation of the Endoplasmic Reticulum Ca ²⁺ -Store in Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2008, 8, 705-709.	0.9	35
29	Differential Integration of Ca ²⁺ -Calmodulin Signal in Intact Ventricular Myocytes at Low and High Affinity Ca ²⁺ -Calmodulin Targets. <i>Journal of Biological Chemistry</i> , 2008, 283, 31531-31540.	1.6	37
30	Actin Pedestal Formation by Enteropathogenic <i>Escherichia coli</i> Is Regulated by IQGAP1, Calcium, and Calmodulin. <i>Journal of Biological Chemistry</i> , 2008, 283, 35212-35222.	1.6	39
31	Regulation of P2X2 Receptors by the Neuronal Calcium Sensor VILIP1. <i>Science Signaling</i> , 2008, 1, ra8.	1.6	55
32	Ca ²⁺ Signaling, Mitochondria and Cell Death. <i>Current Molecular Medicine</i> , 2008, 8, 119-130.	0.6	258
33	Calcium-mediated Interactions Regulate the Subcellular Localization of Extracellular Signal-regulated Kinases. <i>Journal of Biological Chemistry</i> , 2008, 283, 11176-11189.	1.6	35
34	Disassembly of endothelial and epithelial junctions during leukocyte transmigration. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6638.	3.0	34
35	Dynamic imaging of calcium and STIM1 in the same cell using wide-field and TIRF microscopy. <i>BioTechniques</i> , 2008, 45, 347-348.	0.8	6
36	Proteomics to Identify Proteins Interacting with P2X2 Ligand-Gated Cation Channels. <i>Journal of Visualized Experiments</i> , 2009, , .	0.2	10

#	ARTICLE	IF	CITATIONS
37	Regulation of Ca ²⁺ Signaling with Particular Focus on Mast Cells. <i>Critical Reviews in Immunology</i> , 2009, 29, 155-186.	1.0	80
38	Conformational change path between closed and open forms of C2 domain of coagulation factor V on a two-dimensional free-energy surface. <i>Physical Review E</i> , 2009, 79, 041909.	0.8	3
39	Discretization of the induced-charge boundary integral equation. <i>Physical Review E</i> , 2009, 80, 011906.	0.8	24
40	Characterization of Rhythmic Ca ²⁺ Transients in Early Embryonic Chick Motoneurons: Ca ²⁺ Sources and Effects of Altered Activation of Transmitter Receptors. <i>Journal of Neuroscience</i> , 2009, 29, 15232-15244.	1.7	33
41	The Calmodulin-related Calcium Sensor CML42 Plays a Role in Trichome Branching. <i>Journal of Biological Chemistry</i> , 2009, 284, 31647-31657.	1.6	87
42	Ca ²⁺ Waves Initiate Antigen-Stimulated Ca ²⁺ Responses in Mast Cells. <i>Journal of Immunology</i> , 2009, 183, 6478-6488.	0.4	43
43	Cyclopiazonic Acid Is Complexed to a Divalent Metal Ion When Bound to the Sarcoplasmic Reticulum Ca ²⁺ -ATPase. <i>Journal of Biological Chemistry</i> , 2009, 284, 13513-13518.	1.6	90
44	Coupling of Ca ²⁺ Microdomains to Spatially and Temporally Distinct Cellular Responses by the Tyrosine Kinase Syk. <i>Journal of Biological Chemistry</i> , 2009, 284, 24767-24772.	1.6	47
45	Facilitatory Interplay in β 1a and β 2 Adrenoceptor Function Reveals a Non-Gq Signaling Mode: Implications for Diversification of Intracellular Signal Transduction. <i>Molecular Pharmacology</i> , 2009, 75, 713-728.	1.0	17
46	Insulin stimulates fibroblast proliferation through calcium-calmodulin-dependent kinase II. <i>Cell Cycle</i> , 2009, 8, 2024-2030.	1.3	32
47	Shiga Toxin 1-Induced Proinflammatory Cytokine Production Is Regulated by the Phosphatidylinositol 3-Kinase/Akt/Mammalian Target of Rapamycin Signaling Pathway. <i>Infection and Immunity</i> , 2009, 77, 3919-3931.	1.0	28
48	Dynamic Expression of Calcium-Regulatory Molecules, TRPV6 and S100G, in the Uterine Endometrium During Pregnancy in Pigs1. <i>Biology of Reproduction</i> , 2009, 81, 1122-1130.	1.2	47
49	Critical role of TRPC6 channels in G2 phase transition and the development of human oesophageal cancer. <i>Gut</i> , 2009, 58, 1443-1450.	6.1	79
50	Structure and Distribution of Organelles and Cellular Location of Calcium Transporters in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2009, 8, 1845-1855.	3.4	108
51	Separate Elements within a Single IQ-like Motif in Adenylyl Cyclase Type 8 Impart Ca ²⁺ /Calmodulin Binding and Autoinhibition. <i>Journal of Biological Chemistry</i> , 2009, 284, 15573-15588.	1.6	15
52	Hexabromocyclododecane Inhibits Depolarization-Induced Increase in Intracellular Calcium Levels and Neurotransmitter Release in PC12 Cells. <i>Toxicological Sciences</i> , 2009, 107, 490-497.	1.4	49
53	Novel Types of Ca ²⁺ Release Channels Participate in the Secretory Cycle of <i>Paramecium</i> Cells. <i>Molecular and Cellular Biology</i> , 2009, 29, 3605-3622.	1.1	55
54	In with the TRP Channels: Intracellular Functions for TRPM1 and TRPM2. <i>Science Signaling</i> , 2009, 2, pe69.	1.6	26

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55	Calcium regulation in endosymbiotic organelles of plants. <i>Plant Signaling and Behavior</i> , 2009, 4, 805-808.	1.2	8
56	Mysteries in Ca ²⁺ signaling during osteoclast differentiation. <i>IBMS BoneKEy</i> , 2009, 6, 301-306.	0.1	5
57	Disruption of the IS6-AID Linker Affects Voltage-gated Calcium Channel Inactivation and Facilitation. <i>Journal of General Physiology</i> , 2009, 133, 327-343.	0.9	64
58	Fine-Tuning of the Cytoplasmic Ca ²⁺ Concentration Is Essential for Pollen Tube Growth. <i>Plant Physiology</i> , 2009, 150, 1322-1334.	2.3	172
59	Glutamate Transporters and the Excitotoxic Path to Motor Neuron Degeneration in Amyotrophic Lateral Sclerosis. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1587-1602.	2.5	224
60	Sensitizing the Slit Diaphragm with TRPC6 Ion Channels. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 950-953.	3.0	55
61	Signal transduction in electrically stimulated articular chondrocytes involves translocation of extracellular calcium through voltage-gated channels. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 397-405.	0.6	96
62	Cadmium and cellular signaling cascades: To be or not to be?. <i>Toxicology and Applied Pharmacology</i> , 2009, 238, 221-239.	1.3	306
63	Functional linkage of Na ⁺ + Ca ²⁺ exchanger to sarco/endoplasmic reticulum Ca ²⁺ pump in coronary artery: comparison of smooth muscle and endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1775-1783.	1.6	22
64	Calcium sensing receptor-dependent and receptor-independent activation of osteoblast replication and survival by strontium ranelate. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2189-2199.	1.6	114
65	Decoding of Cytoplasmic Ca ²⁺ Oscillations through the Spatial Signature Drives Gene Expression. <i>Current Biology</i> , 2009, 19, 853-858.	1.8	139
66	SR/ER mitochondrial local communication: Calcium and ROS. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1352-1362.	0.5	257
67	Microarray expression analysis of human dopaminergic neuroblastoma cells after RNA interference of SNCA. A key player in the pathogenesis of Parkinson's disease. <i>Brain Research</i> , 2009, 1256, 19-33.	1.1	7
68	Rapid downregulation of the Ca ²⁺ -signal after exocytosis stimulation in <i>Paramecium</i> cells: Essential role of a centrin-rich filamentous cortical network, the infraciliary lattice. <i>Cell Calcium</i> , 2009, 45, 89-97.	1.1	21
69	Lipids in Ca ²⁺ signalling. An introduction. <i>Cell Calcium</i> , 2009, 45, 517-520.	1.1	14
70	Perturbing plasma membrane hemichannels attenuates calcium signalling in cardiac cells and HeLa cells expressing connexins. <i>European Journal of Cell Biology</i> , 2009, 88, 79-90.	1.6	28
71	The effects of extracellular calcium on motility, pseudopod and uropod formation, chemotaxis, and the cortical localization of myosin II in <i>Dictyostelium discoideum</i> . <i>Cytoskeleton</i> , 2009, 66, 567-587.	4.4	31
72	The role of calcium in apoptosis induced by 7 β -hydroxycholesterol and cholesterol 5 β ,6 α -epoxide. <i>Journal of Biochemical and Molecular Toxicology</i> , 2009, 23, 324-332.	1.4	21

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73	Substrate rigidity regulates Ca ²⁺ oscillation via RhoA pathway in stem cells. <i>Journal of Cellular Physiology</i> , 2009, 218, 285-293.	2.0	128
74	The two-pore channel TPCN2 mediates NAADP-dependent Ca ²⁺ -release from lysosomal stores. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 458, 891-899.	1.3	244
75	Glioblastoma cells express functional cell membrane receptors activated by daily used medical drugs. <i>Journal of Cancer Research and Clinical Oncology</i> , 2009, 135, 1729-1745.	1.2	7
76	Expression profile, localization of an 8-kDa calcium-binding protein from <i>Schistosoma japonicum</i> (SjCa8), and vaccine potential of recombinant SjCa8 (rSjCa8) against infections in mice. <i>Parasitology Research</i> , 2009, 104, 733-743.	0.6	22
77	Genetics of nephrotic syndrome: new insights into molecules acting at the glomerular filtration barrier. <i>Journal of Molecular Medicine</i> , 2009, 87, 849-857.	1.7	52
78	Molecular mechanisms of BK channel activation. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 852-875.	2.4	186
79	Functions and pathologies of BiP and its interaction partners. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1556-1569.	2.4	170
80	Cell Adhesion and Spreading Affect Adipogenesis from Embryonic Stem Cells: The Role of Calreticulin. <i>Stem Cells</i> , 2009, 27, 2092-2102.	1.4	23
81	Menthol increases human glioblastoma intracellular Ca ²⁺ , BK channel activity and cell migration. <i>Journal of Biomedical Science</i> , 2009, 16, 90.	2.6	85
82	CBL-mediated targeting of CIPKs facilitates the decoding of calcium signals emanating from distinct cellular stores. <i>Plant Journal</i> , 2010, 61, 211-222.	2.8	228
83	Mitochondrial medicine: entering the era of treatment. <i>Journal of Internal Medicine</i> , 2009, 265, 193-209.	2.7	72
84	Widespread transcriptional changes pre-empt the critical pelagic-benthic transition in the vetigastropod <i>Haliotis asinina</i> . <i>Molecular Ecology</i> , 2009, 18, 1006-1025.	2.0	55
85	Proteomic analysis of the effect of iptakalim on human pulmonary arterial smooth muscle cell proliferation. <i>Acta Pharmacologica Sinica</i> , 2009, 30, 175-183.	2.8	5
86	Nicotinic acetylcholine receptor-mediated calcium signaling in the nervous system. <i>Acta Pharmacologica Sinica</i> , 2009, 30, 673-680.	2.8	186
87	Auxin and other signals on the move in plants. <i>Nature Chemical Biology</i> , 2009, 5, 325-332.	3.9	209
88	Spotted vesicles, striped micelles and Janus assemblies induced by ligand binding. <i>Nature Materials</i> , 2009, 8, 843-849.	13.3	283
89	Ca ²⁺ -NFATc1 signaling is an essential axis of osteoclast differentiation. <i>Immunological Reviews</i> , 2009, 231, 241-256.	2.8	355
90	<i>Arabidopsis</i> ATPase family gene 1-like protein 1 is a calmodulin-binding AAA ⁺ ATPase with a dual localization in chloroplasts and mitochondria. <i>FEBS Journal</i> , 2009, 276, 3870-3880.	2.2	35

#	ARTICLE	IF	CITATIONS
91	A novel sensitive biosensor for Ca ²⁺ based on electropolymerized melatonin modified electrode. <i>Electrochemistry Communications</i> , 2009, 11, 393-396.	2.3	5
92	Identification of CANT1 Mutations in Desbuquois Dysplasia. <i>American Journal of Human Genetics</i> , 2009, 85, 706-710.	2.6	81
93	The Hypervariable Region of K-Ras4B Is Responsible for Its Specific Interactions with Calmodulin. <i>Biochemistry</i> , 2009, 48, 7575-7583.	1.2	58
94	Indo-1 Derivatives for Local Calcium Sensing. <i>ACS Chemical Biology</i> , 2009, 4, 179-190.	1.6	98
95	Structural and functional link between the mitochondrial network and the endoplasmic reticulum. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1817-1827.	1.2	337
96	Calcium oscillations in the olfactory nonsensory cells of the goldfish, <i>Carassius auratus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1681-1688.	1.1	5
97	Mammary gland involution is associated with rapid down regulation of major mammary Ca ²⁺ -ATPases. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 99-102.	1.0	56
98	Regulation of neuronal T-type calcium channels. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 32-40.	4.0	145
99	Intracellular signaling pathways activated by kisspeptins through GPR54: Do multiple signals underlie function diversity?. <i>Peptides</i> , 2009, 30, 10-15.	1.2	103
100	The β -Crystallin Superfamily Contains a Universal Motif for Binding Calcium. <i>Biochemistry</i> , 2009, 48, 12180-12190.	1.2	63
101	Calmodulin Mediates the Ca ²⁺ -Dependent Regulation of Cx44 Gap Junctions. <i>Biophysical Journal</i> , 2009, 96, 2832-2848.	0.2	42
102	EGFR Juxtamembrane Domain, Membranes, and Calmodulin: Kinetics of Their Interaction. <i>Biophysical Journal</i> , 2009, 96, 4887-4895.	0.2	37
103	Calmodulin Mediates DNA Repair Pathways Involving H2AX in Response to Low-Dose Radiation Exposure of RAW 264.7 Macrophages. <i>Chemical Research in Toxicology</i> , 2009, 22, 460-470.	1.7	12
104	Chapter 3 Acquisition of Membrane Polarity in Epithelial Tube Formation. <i>International Review of Cell and Molecular Biology</i> , 2009, 274, 129-182.	1.6	19
105	Regulation of intracellular Ca ²⁺ in the cytotoxic response to photodynamic therapy with a chlorin-based photosensitizer. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 811-817.	0.4	6
106	Calcium in biological systems. <i>Advances in Inorganic Chemistry</i> , 2009, , 251-366.	0.4	14
107	Endoplasmic reticulum Ca ²⁺ -homeostasis is altered in small and non-small cell lung cancer cell lines. <i>Journal of Experimental and Clinical Cancer Research</i> , 2009, 28, 25.	3.5	55
108	Calmodulin Is a Nonessential Activator of Secretory Phospholipase A ₂ . <i>Biochemistry</i> , 2009, 48, 11319-11328.	1.2	17

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109	A two-photon fluorescent probe for near-membrane calcium ions in live cells and tissues. <i>Chemical Communications</i> , 2009, , 5365.	2.2	35
110	A cell chip for sequential imaging of individual non-adherent live cells reveals transients and oscillations. <i>Lab on A Chip</i> , 2009, 9, 2965.	3.1	24
111	Roles for Bmp4 and CaM1 in Shaping the Jaw: Evo-Devo and Beyond. <i>Annual Review of Genetics</i> , 2009, 43, 369-388.	3.2	56
112	PCaPs, possible regulators of PtdInsP signals on plasma membrane. <i>Plant Signaling and Behavior</i> , 2010, 5, 848-850.	1.2	25
113	Antagonistic Regulation of Actin Dynamics and Cell Motility by TRPC5 and TRPC6 Channels. <i>Science Signaling</i> , 2010, 3, ra77.	1.6	233
114	TRPC Channels and their Implications for Neurological Diseases. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 94-104.	0.8	61
116	Paraoxonase 2 is down-regulated by the <i>Pseudomonas aeruginosa</i> quorum-sensing signal <i>N</i> -(3-oxododecanoyl)-L-homoserine lactone and attenuates oxidative stress induced by pyocyanin. <i>Biochemical Journal</i> , 2010, 426, 73-83.	1.7	54
117	Site-specific modification of calmodulin Ca ²⁺ affinity tunes the skeletal muscle ryanodine receptor activation profile. <i>Biochemical Journal</i> , 2010, 432, 89-99.	1.7	18
118	Ticks of a Random clock. <i>European Physical Journal: Special Topics</i> , 2010, 187, 223-230.	1.2	1
119	Docking of calcium ions in proteins with flexible side chains and deformable backbones. <i>European Biophysics Journal</i> , 2010, 39, 825-838.	1.2	7
120	Genomic expression profiles in liver of mice exposed to purified terephthalic acid manufacturing wastewater. <i>Journal of Hazardous Materials</i> , 2010, 181, 1121-1126.	6.5	15
121	Ryanodine receptor channelopathies. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 467-480.	1.3	113
122	Excretory/secretory proteome of the adult stage of <i>Echinostoma caproni</i> . <i>Parasitology Research</i> , 2010, 107, 691-697.	0.6	46
123	Ca ²⁺ -modulated membrane guanylate cyclase in the testes. <i>Molecular and Cellular Biochemistry</i> , 2010, 334, 169-179.	1.4	6
124	Overexpression of Trpp5 contributes to cell proliferation and apoptosis probably through involving calcium homeostasis. <i>Molecular and Cellular Biochemistry</i> , 2010, 339, 155-161.	1.4	11
125	Proximity of Na ⁺ -Ca ²⁺ -exchanger and sarco/endoplasmic reticulum Ca ²⁺ pump in pig coronary artery smooth muscle: fluorescence microscopy. <i>Molecular and Cellular Biochemistry</i> , 2010, 339, 293-300.	1.4	10
126	Structural Basis for the Differential Effects of CaBP1 and Calmodulin on CaV1.2 Calcium-Dependent Inactivation. <i>Structure</i> , 2010, 18, 1617-1631.	1.6	50
127	Acidic calcium stores open for business: expanding the potential for intracellular Ca ²⁺ signaling. <i>Trends in Cell Biology</i> , 2010, 20, 277-286.	3.6	233

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146	Flavonoid-induced calcium signalling in <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> . <i>New Phytologist</i> , 2010, 188, 814-823.	3.5	59
147	Effects of motilin on intracellular free calcium in cultured smooth muscle cells from the antrum of neonatal rats. <i>Acta Physiologica</i> , 2010, 199, 53-61.	1.8	9
148	Calcium-dependent mitochondrial function and dysfunction in neurons. <i>FEBS Journal</i> , 2010, 277, 3622-3636.	2.2	266
149	Calcium ion-mediated assembly and function of glycosylated flagellar sheath of marine magnetotactic bacterium. <i>Molecular Microbiology</i> , 2010, 78, 1304-1312.	1.2	19
150	Multiple C-terminal tail Ca ²⁺ /CaMs regulate CaV1.2 function but do not mediate channel dimerization. <i>EMBO Journal</i> , 2010, 29, 3924-3938.	3.5	66
151	Cracking CRAC. <i>Nature Cell Biology</i> , 2010, 12, 416-418.	4.6	8
152	Store-operated CRAC channels: function in health and disease. <i>Nature Reviews Drug Discovery</i> , 2010, 9, 399-410.	21.5	284
153	Role of Oxidant Scavengers in the Prevention of Ca ²⁺ Homeostasis Disorders. <i>Molecules</i> , 2010, 15, 7167-7187.	1.7	20
154	TRPC channels in smooth muscle cells. <i>Frontiers in Bioscience - Landmark</i> , 2010, 15, 1023.	3.0	75
155	Ligand Depletion in vivo Modulates the Dynamic Range and Cooperativity of Signal Transduction. <i>PLoS ONE</i> , 2010, 5, e8449.	1.1	18
156	Calcium Regulation of EGF-Induced ERK5 Activation: Role of Lad1-MEKK2 Interaction. <i>PLoS ONE</i> , 2010, 5, e12627.	1.1	17
158	A STAT3-mediated metabolic switch is involved in tumour transformation and STAT3 addiction. <i>Aging</i> , 2010, 2, 823-842.	1.4	231
159	Regulation of Sodium-Calcium Exchanger Activity by Creatine Kinase under Energy-compromised Conditions*. <i>Journal of Biological Chemistry</i> , 2010, 285, 28275-28285.	1.6	17
160	Regulation of store-operated Ca ²⁺ entry during the cell cycle. <i>Journal of Cell Science</i> , 2010, 123, 2155-2162.	1.2	28
161	Natural Killer Cell Protocols. <i>Methods in Molecular Biology</i> , 2010, , .	0.4	4
162	Mitochondrial Ca ²⁺ uptake and not mitochondrial motility is required for STIM1-Orai1-dependent store-operated Ca ²⁺ entry. <i>Journal of Cell Science</i> , 2010, 123, 2553-2564.	1.2	76
163	Integrated Protein Array Screening and High Throughput Validation of 70 Novel Neural Calmodulin-binding Proteins. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1118-1132.	2.5	41
164	Actomyosin Contraction at the Cell Rear Drives Nuclear Translocation in Migrating Cortical Interneurons. <i>Journal of Neuroscience</i> , 2010, 30, 8660-8670.	1.7	105

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165	The Ca ²⁺ -calmodulin-dependent kinase II is activated in papillary thyroid carcinoma (PTC) and mediates cell proliferation stimulated by RET/PTC. <i>Endocrine-Related Cancer</i> , 2010, 17, 113-123.	1.6	21
166	Degeneration of an Intracellular Ion Channel in the Primate Lineage by Relaxation of Selective Constraints. <i>Molecular Biology and Evolution</i> , 2010, 27, 2352-2359.	3.5	56
167	TGF- β 1 Induces Podocyte Injury Through Smad3-ERK-NF- κ B Pathway and Fyn-dependent TRPC6 phosphorylation. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 869-878.	1.1	36
168	Calcium-Related Processes Involved in the Inhibition of Depolarization-Evoked Calcium Increase by Hydroxylated PBDEs in PC12 Cells. <i>Toxicological Sciences</i> , 2010, 114, 302-309.	1.4	47
169	Structural basis of the significant calmodulin-induced increase in the enzymatic activity of secreted phospholipases A2. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 479-487.	1.0	14
170	Calcium Signaling by STIM and Orai: Intimate Coupling Details Revealed. <i>Science Signaling</i> , 2010, 3, pe42.	1.6	67
171	Functional linkage as a direction for studies in oxidative stress: α -adrenergic receptors This review is one of a selection of papers published in a Special Issue on Oxidative Stress in Health and Disease.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010, 88, 220-232.	0.7	17
172	Secretory granules in inositol 1,4,5-trisphosphate-dependent Ca ²⁺ signaling in the cytoplasm of neuroendocrine cells. <i>FASEB Journal</i> , 2010, 24, 653-664.	0.2	48
173	Kinectin-mediated endoplasmic reticulum dynamics supports focal adhesion growth in the cellular lamella. <i>Journal of Cell Science</i> , 2010, 123, 3901-3912.	1.2	37
174	En masse in vitro functional profiling of the axonal mechanosensitivity of sensory neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16336-16341.	3.3	14
175	The Neuroprotective Functions of Selenoprotein M and its Role in Cytosolic Calcium Regulation. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 809-818.	2.5	129
176	PML Regulates Apoptosis at Endoplasmic Reticulum by Modulating Calcium Release. <i>Science</i> , 2010, 330, 1247-1251.	6.0	360
177	Regulation of Embryonic Kidney Branching Morphogenesis and Glomerular Development by KISS1 Receptor (Gpr54) through NFAT2- and Sp1-mediated Bmp7 Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 17811-17820.	1.6	26
178	Quantitative proteomics of the Cav2 channel nano-environments in the mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14950-14957.	3.3	274
179	Time course of retinal degeneration associated with the absence of 1, 4, 5-inositol trisphosphate receptor in <i>Drosophila melanogaster</i> . <i>Experimental Biology and Medicine</i> , 2010, 235, 365-372.	1.1	3
180	Calmodulin Suppresses Synaptotagmin-2 Transcription in Cortical Neurons*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33930-33939.	1.6	30
181	Bromination Pattern of Hydroxylated Metabolites of BDE-47 Affects Their Potency to Release Calcium from Intracellular Stores in PC12 Cells. <i>Environmental Health Perspectives</i> , 2010, 118, 519-525.	2.8	57
182	An Overview of Ion Channel Structure. , 2010, , 201-207.		3

#	ARTICLE	IF	CITATIONS
183	Quantitative Proteomics Discloses MET Expression in Mitochondria as a Direct Target of MET Kinase Inhibitor in Cancer Cells. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2629-2641.	2.5	22
184	Exercise training decreases store-operated Ca ²⁺ entry associated with metabolic syndrome and coronary atherosclerosis. <i>Cardiovascular Research</i> , 2010, 85, 631-640.	1.8	80
185	Disruption of the Vacuolar Calcium-ATPases in Arabidopsis Results in the Activation of a Salicylic Acid-Dependent Programmed Cell Death Pathway. <i>Plant Physiology</i> , 2010, 154, 1158-1171.	2.3	111
186	Extracellular Nucleotides Elicit Cytosolic Free Calcium Oscillations in Arabidopsis. <i>Plant Physiology</i> , 2010, 154, 705-719.	2.3	121
187	Calcium Signals: The Lead Currency of Plant Information Processing. <i>Plant Cell</i> , 2010, 22, 541-563.	3.1	918
188	TRPM2 channel properties, functions and therapeutic potentials. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 973-988.	1.5	77
189	Progress in the structural understanding of voltage-gated calcium channel (Ca _v) function and modulation. <i>Channels</i> , 2010, 4, 459-474.	1.5	99
190	Fluorescence Imaging of Calcium Loading and Mitochondrial Depolarization in Cancer Cells Exposed to Heat Stress. <i>Reviews in Fluorescence</i> , 2010, , 89-118.	0.5	2
191	Rethinking the Relationship Between Hyperactivation and Chemotaxis in Mammalian Sperm. <i>Biology of Reproduction</i> , 2010, 83, 507-513.	1.2	74
192	Membrane Trafficking in Protozoa. <i>International Review of Cell and Molecular Biology</i> , 2010, 280, 79-184.	1.6	35
193	Antimicrobial peptaibols, novel suppressors of tumor cells, targeted calcium-mediated apoptosis and autophagy in human hepatocellular carcinoma cells. <i>Molecular Cancer</i> , 2010, 9, 26.	7.9	78
194	Chemical biology suggests a role for calcium signaling in mediating sustained JNK activation during apoptosis. <i>Molecular BioSystems</i> , 2010, 6, 767.	2.9	33
195	Localizable and Highly Sensitive Calcium Indicator Based on a BODIPY Fluorophore. <i>Analytical Chemistry</i> , 2010, 82, 6472-6479.	3.2	110
196	Fura-2FF-based calcium indicator for protein labeling. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3398.	1.5	15
197	Hydrogen sulfide: A novel signaling molecule in the central nervous system. <i>Neurochemistry International</i> , 2010, 56, 3-10.	1.9	208
198	Effect of hydrogen sulfide on intracellular calcium homeostasis in neuronal cells. <i>Neurochemistry International</i> , 2010, 56, 508-515.	1.9	81
199	Calcium wave signaling in cancer cells. <i>Life Sciences</i> , 2010, 87, 587-595.	2.0	131
200	Small mitochondria-targeting molecules as anti-cancer agents. <i>Molecular Aspects of Medicine</i> , 2010, 31, 75-92.	2.7	119

#	ARTICLE	IF	CITATIONS
201	Identification of novel families and classification of the C2 domain superfamily elucidate the origin and evolution of membrane targeting activities in eukaryotes. <i>Gene</i> , 2010, 469, 18-30.	1.0	124
202	Effects of S100A9 in a rat model of asthma and in isolated tracheal spirals. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 547-552.	1.0	29
203	Crosstalk between insulin receptor and G protein-coupled receptor signaling systems leads to Ca ²⁺ oscillations in pancreatic cancer PANC-1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 154-158.	1.0	20
204	Store-Independent Activation of Orai1 by SPCA2 in Mammary Tumors. <i>Cell</i> , 2010, 143, 84-98.	13.5	254
205	Extracellular Calcium Controls Background Current and Neuronal Excitability via an UNC79-UNC80-NALCN Cation Channel Complex. <i>Neuron</i> , 2010, 68, 488-499.	3.8	176
206	Monitoring transient Ca ²⁺ dynamics with large-conductance Ca ²⁺ -dependent K ⁺ channels at active zones in frog saccular hair cells. <i>Neuroscience</i> , 2010, 165, 715-722.	1.1	2
207	Calcium-induced calcium release contributes to synaptic release from mouse rod photoreceptors. <i>Neuroscience</i> , 2010, 165, 1447-1456.	1.1	45
208	Simvastatin promotes osteoblast viability and differentiation via Ras/Smad/Erk/BMP-2 signaling pathway. <i>Nutrition Research</i> , 2010, 30, 191-199.	1.3	144
209	Paclitaxel accelerates spontaneous calcium oscillations in cardiomyocytes by interacting with NCS-1 and the InsP3R. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 829-835.	0.9	55
210	Reciprocal enhancement of uptake and toxicity of cadmium and calcium in rainbow trout (<i>Oncorhynchus mykiss</i>) liver mitochondria. <i>Aquatic Toxicology</i> , 2010, 96, 319-327.	1.9	26
212	<i>Vascular Physiology and Pharmacology</i> , 2010, , 35-50.		1
213	Ca ²⁺ and cAMP Signaling in Human Embryonic Stem Cell-Derived Dopamine Neurons. <i>Stem Cells and Development</i> , 2010, 19, 1355-1364.	1.1	41
214	Channel-Mediated Tonic GABA Release from Glia. <i>Science</i> , 2010, 330, 790-796.	6.0	470
215	Redox Control of Protein Kinase C: Cell- and Disease-Specific Aspects. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1051-1085.	2.5	123
216	Monitoring astrocyte calcium microdomains with improved membrane targeted GCaMP reporters. <i>Neuron Glia Biology</i> , 2010, 6, 183-191.	2.0	72
217	Nitric oxide and calcium signaling regulate myocardial tumor necrosis factor- α expression and cardiac function in sepsis This article is one of a selection of papers published in this special issue on Calcium Signaling.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010, 88, 92-104.	0.7	22
218	Breaking the code: Ca ²⁺ sensors in plant signalling. <i>Biochemical Journal</i> , 2010, 425, 27-40.	1.7	433
219	Regulation of calcium signaling in dendritic cells by 1,25-dihydroxyvitamin D ₃ . <i>FASEB Journal</i> , 2010, 24, 1989-1996.	0.2	28

#	ARTICLE	IF	CITATIONS
220	Ion Mediated Monolayer Deposition of Gold Nanoparticles on Microorganisms: Discrimination by Age. <i>Langmuir</i> , 2010, 26, 371-377.	1.6	30
221	Molecular Basis of Calcium Signaling in Lymphocytes: STIM and ORAI. <i>Annual Review of Immunology</i> , 2010, 28, 491-533.	9.5	684
222	Characterization of the effect of physiological cations on quantum dots by using single-particle detection. <i>Analyst, The</i> , 2010, 135, 2355.	1.7	4
223	Mechanisms of Action and Clinical Application of Macrolides as Immunomodulatory Medications. <i>Clinical Microbiology Reviews</i> , 2010, 23, 590-615.	5.7	535
224	Ca ²⁺ Signaling During Mammalian Fertilization: Requirements, Players, and Adaptations. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a006767-a006767.	2.3	51
225	Identification of a high-affinity network of secretagogin-binding proteins involved in vesicle secretion. <i>Molecular BioSystems</i> , 2011, 7, 2196.	2.9	35
226	Titanium dioxide nanoparticles induced intracellular calcium homeostasis modification in primary human keratinocytes. Towards an <i>in vitro</i> explanation of titanium dioxide nanoparticles toxicity. <i>Nanotoxicology</i> , 2011, 5, 125-139.	1.6	46
227	Diffusion-based channel characterization in molecular nanonetworks. , 2011, , .		42
228	Silencing calcineurin A subunit reduces SERCA2 expression in cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H173-H180.	1.5	21
229	Nanoprobes: Quantitatively Detecting the Femtogram Level of Arsenite Ions in Live Cells. <i>ACS Nano</i> , 2011, 5, 5560-5565.	7.3	19
230	Development of a Far-Red to Near-Infrared Fluorescence Probe for Calcium Ion and its Application to Multicolor Neuronal Imaging. <i>Journal of the American Chemical Society</i> , 2011, 133, 14157-14159.	6.6	176
232	Probing Calmodulin Protein-Protein Interactions Using High-Content Protein Arrays. <i>Methods in Molecular Biology</i> , 2011, 785, 289-303.	0.4	10
233	Calcium Dysregulation and Homeostasis of Neural Calcium in the Molecular Mechanisms of Neurodegenerative Diseases Provide Multiple Targets for Neuroprotection. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1275-1288.	2.5	319
235	POST, partner of stromal interaction molecule 1 (STIM1), targets STIM1 to multiple transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19234-19239.	3.3	96
236	Protein Microarrays. <i>Methods in Molecular Biology</i> , 2011, , .	0.4	7
237	Reporting from the Field: Genetically Encoded Fluorescent Reporters Uncover Signaling Dynamics in Living Biological Systems. <i>Annual Review of Biochemistry</i> , 2011, 80, 375-401.	5.0	83
238	Regulators of Ca ²⁺ Signaling in Mast Cells: Potential Targets for Treatment of Mast Cell-Related Diseases?. <i>Advances in Experimental Medicine and Biology</i> , 2011, 716, 62-90.	0.8	75
239	STIM Proteins and the Endoplasmic Reticulum-Plasma Membrane Junctions. <i>Annual Review of Biochemistry</i> , 2011, 80, 973-1000.	5.0	222

#	ARTICLE	IF	CITATIONS
240	The proteomic response of sea squirts (genus <i>Ciona</i>) to acute heat stress: A global perspective on the thermal stability of proteins. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 322-334.	0.4	35
241	Characterization of the β -crystallin domains of β -crystallin-CAT, a non-lens β -crystallin and trefoil factor complex, from the skin of the toad <i>Bombina maxima</i> . <i>Biochimie</i> , 2011, 93, 1865-1872.	1.3	20
242	Differential roles of the phospholipase C genes in fungal development and pathogenicity of <i>Magnaporthe oryzae</i> . <i>Fungal Genetics and Biology</i> , 2011, 48, 445-455.	0.9	37
243	Sodium-calcium exchanger and lipid rafts in pig coronary artery smooth muscle. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 589-596.	1.4	7
244	Bile-acid-induced calcium signaling in mouse esophageal epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 789-794.	1.0	7
245	Temperature effects on morphological integrity and Ca^{2+} signaling in freshly isolated murine feed artery endothelial cell tubes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H773-H783.	1.5	31
246	Metabotropic Actions of Kainate Receptors in Dorsal Root Ganglion Cells. <i>Advances in Experimental Medicine and Biology</i> , 2011, 717, 69-80.	0.8	8
247	Ca^{2+} signaling in the regulation of dendritic cell functions. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C1205-C1214.	2.1	75
248	Involvement of Ca^{2+} signaling in intracellular invasion of non-phagocytic host cells by <i>Orientia tsutsugamushi</i> . <i>Microbial Pathogenesis</i> , 2011, 50, 326-330.	1.3	10
249	L-type Ca^{2+} channel agonist inhibits RANKL-induced osteoclast formation via NFATc1 down-regulation. <i>Life Sciences</i> , 2011, 89, 159-164.	2.0	12
250	ESCRT Machinery Potentiates HIV-1 Utilization of the PI(4,5)P2-PLC-IP3R- Ca^{2+} Signaling Cascade. <i>Journal of Molecular Biology</i> , 2011, 413, 347-358.	2.0	18
251	Mechanisms of specificity in neuronal activity-regulated gene transcription. <i>Progress in Neurobiology</i> , 2011, 94, 259-295.	2.8	174
252	Sodium Leak Channels in Neuronal Excitability and Rhythmic Behaviors. <i>Neuron</i> , 2011, 72, 899-911.	3.8	128
253	Therapy for stressed bacteria. <i>Nature Chemical Biology</i> , 2011, 7, 345-347.	3.9	5
254	Exploring the Physical Channel of Diffusion-Based Molecular Communication by Simulation. , 2011, , .		26
255	Allosteric inhibitors of plasma membrane Ca^{2+} pumps: Invention and applications of caloxins. <i>World Journal of Biological Chemistry</i> , 2011, 2, 39.	1.7	17
256	Calcium, Ca^{2+} -Sensing Receptor and Breast Cancer. , 0, , .		0
257	STIM and Orai in hemostasis and thrombosis. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 2144.	3.0	42

#	ARTICLE	IF	CITATIONS
258	Molecular Understanding and Assessment of Hypoparathyroidism. <i>Endocrinology and Metabolism</i> , 2011, 26, 25.	1.3	1
259	Calcium-Release Channels in Paramecium. Genomic Expansion, Differential Positioning and Partial Transcriptional Elimination. <i>PLoS ONE</i> , 2011, 6, e27111.	1.1	44
260	Live Cell Calcium Imaging Combined with siRNA Mediated Gene Silencing Identifies Ca ²⁺ Leak Channels in the ER Membrane and their Regulatory Mechanisms. <i>Journal of Visualized Experiments</i> , 2011, , e2730.	0.2	17
261	High-dose glucocorticoids induce decreases calcium in hypothalamus neurons via plasma membrane Ca ²⁺ pumps. <i>NeuroReport</i> , 2011, 22, 660-663.	0.6	10
262	Sec61 complexes form ubiquitous ER Ca ²⁺ leak channels. <i>Channels</i> , 2011, 5, 228-235.	1.5	75
263	Two distinct calcium pools in the endoplasmic reticulum of HEK-293T cells. <i>Biochemical Journal</i> , 2011, 435, 227-235.	1.7	20
264	Elevation of Intracellular Ca ²⁺ Level by Triclosan in Rat Thymic Lymphocytes: Increase in Membrane Ca ²⁺ Permeability and Induction of Intracellular Ca ²⁺ Release. <i>Journal of Health Science</i> , 2011, 57, 540-546.	0.9	6
265	Î³ regulates store-operated Ca ²⁺ entry and promotes the invasion of human hepatocellular carcinoma cells. <i>Cell Biology International</i> , 2011, 35, 811-817.	1.4	13
267	Bcl-2 SNP rs956572 associates with disrupted intracellular calcium homeostasis in bipolar I disorder. <i>Bipolar Disorders</i> , 2011, 13, 41-51.	1.1	45
268	The Bartonella henselae VirB/Bep system interferes with vascular endothelial growth factor (VEGF) signalling in human vascular endothelial cells. <i>Cellular Microbiology</i> , 2011, 13, 419-431.	1.1	11
269	Verapamil, a Calcium Channel Blocker, Induces Systemic Antiviral Resistance in Susceptible Plants. <i>Journal of Phytopathology</i> , 2011, 159, 127-129.	0.5	3
270	Calpastatin, an endogenous calpain-inhibitor protein, regulates the cleavage of the Cdk5 activator p35 to p25. <i>Journal of Neurochemistry</i> , 2011, 117, 504-515.	2.1	30
271	Protein transamidation by transglutaminase 2 in cells: a disputed Ca ²⁺ -dependent action of a multifunctional protein. <i>FEBS Journal</i> , 2011, 278, 4717-4739.	2.2	79
272	Effect of Methoxychlor on Ca ²⁺ Handling and Viability in OC2 Human Oral Cancer Cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 108, 341-348.	1.2	7
273	A novel in vitro assay for electrophysiological research on human skin fibroblasts: Degenerate electrical waves downregulate collagen I expression in keloid fibroblasts. <i>Experimental Dermatology</i> , 2011, 20, 64-68.	1.4	25
274	Calcium controls cardiac function “ by all means!. <i>Journal of Physiology</i> , 2011, 589, 2919-2920.	1.3	13
275	The role of PML in the control of apoptotic cell fate: a new key player at ER“mitochondria sites. <i>Cell Death and Differentiation</i> , 2011, 18, 1450-1456.	5.0	88
276	Bax inhibitor-1: a highly conserved endoplasmic reticulum-resident cell death suppressor. <i>Cell Death and Differentiation</i> , 2011, 18, 1271-1278.	5.0	122

#	ARTICLE	IF	CITATIONS
277	Evolutionary origins of STIM1 and STIM2 within ancient Ca ²⁺ signaling systems. <i>Trends in Cell Biology</i> , 2011, 21, 202-211.	3.6	89
278	Decoding cytosolic Ca ²⁺ oscillations. <i>Trends in Biochemical Sciences</i> , 2011, 36, 78-87.	3.7	205
279	Involvement of the cAMP messenger system and extracellular Ca ²⁺ during hyposmotically-induced prolactin release in the Mozambique tilapia. <i>General and Comparative Endocrinology</i> , 2011, 170, 401-407.	0.8	11
280	Dynamics of the calcium ion level in rat hepatocytes primary cultures and its age-related changes. <i>Doklady Biological Sciences</i> , 2011, 441, 421-423.	0.2	0
281	The platinum (II) complex [Pt(O,O- ϵ^2 -acac)(β^3 -acac)(DMS)] alters the intracellular calcium homeostasis in MCF-7 breast cancer cells. <i>Biochemical Pharmacology</i> , 2011, 81, 91-103.	2.0	56
282	Microenvironment induced spheroid to sheeting transition of immortalized human keratinocytes (HaCaT) cultured in microbubbles formed in polydimethylsiloxane. <i>Biomaterials</i> , 2011, 32, 7159-7168.	5.7	30
283	Calcium signaling in placenta. <i>Cell Calcium</i> , 2011, 49, 350-356.	1.1	35
284	Vacuolar Ca ²⁺ uptake. <i>Cell Calcium</i> , 2011, 50, 139-146.	1.1	126
285	Acidic Ca ²⁺ stores come to the fore. <i>Cell Calcium</i> , 2011, 50, 109-112.	1.1	61
286	The endo-lysosomal system as an NAADP-sensitive acidic Ca ²⁺ store: Role for the two-pore channels. <i>Cell Calcium</i> , 2011, 50, 157-167.	1.1	60
287	Mitochondrial permeability transition in Ca ²⁺ -dependent apoptosis and necrosis. <i>Cell Calcium</i> , 2011, 50, 222-233.	1.1	455
288	Ca ²⁺ signaling, genes and the cell cycle. <i>Cell Calcium</i> , 2011, 49, 323-330.	1.1	42
289	Bcl-2 interaction with the inositol 1,4,5-trisphosphate receptor: Role in Ca ²⁺ signaling and disease. <i>Cell Calcium</i> , 2011, 50, 234-241.	1.1	79
290	GABAergic signaling in primary lens epithelial and lentoid cells and its involvement in intracellular Ca ²⁺ modulation. <i>Cell Calcium</i> , 2011, 50, 381-392.	1.1	6
291	Redox regulation of calcium ion channels: Chemical and physiological aspects. <i>Cell Calcium</i> , 2011, 50, 407-423.	1.1	108
292	The central role of calcium in the effects of cytokines on beta-cell function: Implications for type 1 and type 2 diabetes. <i>Cell Calcium</i> , 2011, 50, 481-490.	1.1	77
293	Cadmium- and calcium-mediated toxicity in rainbow trout (<i>Oncorhynchus mykiss</i>) in vivo: Interactions on fitness and mitochondrial endpoints. <i>Chemosphere</i> , 2011, 85, 1604-1613.	4.2	17
294	Review: NAD ⁺ : A modulator of immune functions. <i>Innate Immunity</i> , 2011, 17, 212-233.	1.1	70

#	ARTICLE	IF	CITATIONS
295	Simultaneous pH and Temperature Measurements Using Pyranine as a Molecular Probe. <i>Journal of Fluorescence</i> , 2011, 21, 299-312.	1.3	15
296	Proteinase-activated receptor 2-mediated calcium signaling in hepatocellular carcinoma cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2011, 137, 965-973.	1.2	16
297	prag01, a novel deltamethrin-resistance-associated gene from <i>Culex pipiens pallens</i> . <i>Parasitology Research</i> , 2011, 108, 417-423.	0.6	9
298	Subcellular localization of calcium during <i>Alpinia mutica</i> Roxb. (Zingiberaceae) style movement. <i>Protoplasma</i> , 2011, 248, 251-256.	1.0	2
299	Maslinic acid induces apoptosis in salivary gland adenoid cystic carcinoma cells by Ca ²⁺ -evoked p38 signaling pathway. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 321-330.	1.4	30
300	Calcium and copper transport ATPases: analogies and diversities in transduction and signaling mechanisms. <i>Journal of Cell Communication and Signaling</i> , 2011, 5, 227-237.	1.8	6
301	The role of calcium ions in the stability and instability of a thermolysin-like protease. <i>Protein Science</i> , 2011, 20, 1346-1355.	3.1	43
302	Vascular Endothelial Growth Factor Stimulates Endothelial Colony Forming Cells Proliferation and Tubulogenesis by Inducing Oscillations in Intracellular Ca ²⁺ Concentration. <i>Stem Cells</i> , 2011, 29, 1898-1907.	1.4	140
303	Type 2 inositol 1,4,5-trisphosphate receptor modulates bile salt export pump activity in rat hepatocytes. <i>Hepatology</i> , 2011, 54, 1790-1799.	3.6	65
304	Facile synthesis and biological evaluation of 3,3-diphenylpropanoyl piperazines as T-type calcium channel blockers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 215-219.	1.0	15
305	Stimulation of Ca ²⁺ signals in neurons by electrically coupled electrolyte-oxide-semiconductor capacitors. <i>Journal of Neuroscience Methods</i> , 2011, 198, 1-7.	1.3	8
306	Separate Detection of Sodium and Potassium Ions with Sub-micropipette Probe. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 08LB13.	0.8	7
307	Mitochondria associated membranes (MAMs) as critical hubs for apoptosis. <i>Communicative and Integrative Biology</i> , 2011, 4, 334-335.	0.6	42
308	An integrated mechanostimulation system for probing architecture based calcium signaling in HUVEC cells. , 2011, , .		0
309	Calcium-sensing receptor modulates extracellular Ca ²⁺ entry via TRPC-encoded receptor-operated channels in human aortic smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C461-C468.	2.1	49
310	Role of Four Calcium Transport Proteins, Encoded by <i>nca-1</i> , <i>nca-2</i> , <i>nca-3</i> , and <i>cax</i> , in Maintaining Intracellular Calcium Levels in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2011, 10, 654-661.	3.4	43
311	Massive calcium-activated endocytosis without involvement of classical endocytic proteins. <i>Journal of General Physiology</i> , 2011, 137, 111-132.	0.9	90
312	Mid1, a Mechanosensitive Calcium Ion Channel, Affects Growth, Development, and Ascospore Discharge in the Filamentous Fungus <i>Gibberella zeae</i> . <i>Eukaryotic Cell</i> , 2011, 10, 832-841.	3.4	50

#	ARTICLE	IF	CITATIONS
313	Calcium-dependent copper redistributions in neuronal cells revealed by a fluorescent copper sensor and X-ray fluorescence microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5980-5985.	3.3	182
314	Parallel adaptive feedback enhances reliability of the Ca ²⁺ signaling system. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14485-14490.	3.3	43
315	G Protein-coupled Receptor Signaling via Src Kinase Induces Endogenous Human Transient Receptor Potential Vanilloid Type 6 (TRPV6) Channel Activation. Journal of Biological Chemistry, 2011, 286, 13184-13192.	1.6	40
316	Pathway-driven gene stability selection of two rheumatoid arthritis GWAS identifies and validates new susceptibility genes in receptor mediated signalling pathways. Human Molecular Genetics, 2011, 20, 3494-3506.	1.4	72
317	Highly Cooperative Dependence of Sarco/Endoplasmic Reticulum Calcium ATPase (SERCA) 2a Pump Activity on Cytosolic Calcium in Living Cells. Journal of Biological Chemistry, 2011, 286, 20591-20599.	1.6	34
318	New Insights into the Regulation of Vascular Permeability. International Review of Cell and Molecular Biology, 2011, 290, 205-248.	1.6	37
319	Infrasound increases intracellular calcium concentration and induces apoptosis in hippocampi of adult rats. Molecular Medicine Reports, 2012, 5, 73-7.	1.1	21
320	Tumor Progression Locus 2 Mediates Signal-Induced Increases in Cytoplasmic Calcium and Cell Migration. Science Signaling, 2011, 4, ra55.	1.6	27
321	Calmodulin regulation of the calcium-leak channel Sec61 is unique to vertebrates. Channels, 2011, 5, 293-298.	1.5	15
322	Potent suppression of vascular smooth muscle cell migration and human neointimal hyperplasia by KV1.3 channel blockers. Cardiovascular Research, 2011, 89, 282-289.	1.8	55
323	CANT1 mutation is also responsible for Desbuquois dysplasia, type 2 and Kim variant. Journal of Medical Genetics, 2011, 48, 32-37.	1.5	39
324	Local Cytosolic Ca ²⁺ Elevations Are Required for Stromal Interaction Molecule 1 (STIM1) De-oligomerization and Termination of Store-operated Ca ²⁺ Entry. Journal of Biological Chemistry, 2011, 286, 36448-36459.	1.6	37
325	Chemosensory Ca ²⁺ Dynamics Correlate with Diverse Behavioral Phenotypes in Human Sperm. Journal of Biological Chemistry, 2011, 286, 17311-17325.	1.6	69
326	Balancing Calcium Signals through TRPC5 and TRPC6 in Podocytes. Journal of the American Society of Nephrology: JASN, 2011, 22, 1969-1980.	3.0	109
327	Stanniocalcin 2 Is a Negative Modulator of Store-Operated Calcium Entry. Molecular and Cellular Biology, 2011, 31, 3710-3722.	1.1	62
328	Design and application of a class of sensors to monitor Ca ²⁺ dynamics in high Ca ²⁺ concentration cellular compartments. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16265-16270.	3.3	96
329	Intracellular ATP supports TRPV6 activity via lipid kinases and the generation of PtdIns(4,5)P ₂ . FASEB Journal, 2011, 25, 3915-3928.	0.2	50
330	Membrane Topology of NAADP-sensitive Two-pore Channels and Their Regulation by N-linked Glycosylation. Journal of Biological Chemistry, 2011, 286, 9141-9149.	1.6	57

#	ARTICLE	IF	CITATIONS
331	Calmodulin Mediates Fas-induced FADD-independent Survival Signaling in Pancreatic Cancer Cells via Activation of Src-Extracellular Signal-regulated Kinase (ERK). <i>Journal of Biological Chemistry</i> , 2011, 286, 24776-24784.	1.6	44
332	Interaction of Actin with Carcinoembryonic Antigen-related Cell Adhesion Molecule 1 (CEACAM1) Receptor in Liposomes Is Ca ²⁺ - and Phospholipid-dependent. <i>Journal of Biological Chemistry</i> , 2011, 286, 27528-27536.	1.6	9
333	Assessing the Relevance of Light for Fungi. <i>Advances in Applied Microbiology</i> , 2011, 76, 27-78.	1.3	21
334	STIM1 senses both Ca ²⁺ and heat. <i>Nature Chemical Biology</i> , 2011, 7, 344-345.	3.9	12
335	Apo and InsP3-bound crystal structures of the ligand-binding domain of an InsP3 receptor. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1172-1174.	3.6	81
336	Neuronal Activity-Regulated Gene Transcription in Synapse Development and Cognitive Function. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005744-a005744.	2.3	426
337	Effect of dexamethasone on Na ⁺ /Ca ²⁺ exchanger in dendritic cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C1306-C1313.	2.1	21
338	Calcium-dependent inhibition of adrenal TREK-1 channels by angiotensin II and ionomycin. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C619-C629.	2.1	7
339	Differential mitochondrial calcium responses in different cell types detected with a mitochondrial calcium fluorescent indicator, mito-GCaMP2. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 822-830.	0.9	23
340	An Analysis of the Cooperative Mechano-Sensitive Feedback Between Intracellular Signaling, Focal Adhesion Development, and Stress Fiber Contractility. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2011, 78, .	1.1	25
341	Ca ²⁺ Signaling Tools Acquired from Prostatomes Are Required for Progesterone-Induced Sperm Motility. <i>Science Signaling</i> , 2011, 4, ra31.	1.6	146
342	The SV40 Late Protein VP4 Is a Viroporin that Forms Pores to Disrupt Membranes for Viral Release. <i>PLoS Pathogens</i> , 2011, 7, e1002116.	2.1	43
343	Two Distinct Ca ²⁺ Signaling Pathways Modulate Sperm Flagellar Beating Patterns in Mice. <i>Biology of Reproduction</i> , 2011, 85, 296-305.	1.2	75
344	Calcium " Cellular Signalling. , 2012, , 215-228.		1
345	HIV Assembly and Budding: Ca ²⁺ Signaling and Non-ESCRT Proteins Set the Stage. <i>Molecular Biology International</i> , 2012, 2012, 1-12.	1.7	13
346	Over-expression of Arabidopsis Bax inhibitor-1 delays methyl jasmonate-induced leaf senescence by suppressing the activation of MAP kinase 6. <i>Journal of Experimental Botany</i> , 2012, 63, 4463-4474.	2.4	37
347	Structural Insight into the Ion-Exchange Mechanism of the Sodium/Calcium Exchanger. <i>Science</i> , 2012, 335, 686-690.	6.0	228
348	Abnormal Intracellular Calcium Homeostasis in Sympathetic Neurons From Young Prehypertensive Rats. <i>Hypertension</i> , 2012, 59, 642-649.	1.3	47

#	ARTICLE	IF	CITATIONS
349	Ancestral Ca ²⁺ Signaling Machinery in Early Animal and Fungal Evolution. <i>Molecular Biology and Evolution</i> , 2012, 29, 91-100.	3.5	89
350	Relevance of the sterilization-induced effects on the properties of different hydroxyapatite nanoparticles and assessment of the osteoblastic cell response. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3397-3410.	1.5	38
351	Mitofusin 2 Joins the Sarcoplasmic Reticulum and Mitochondria at the Hip to Sustain Cardiac Energetics. <i>Circulation Research</i> , 2012, 111, 821-823.	2.0	10
352	The function of calreticulin in plant immunity. <i>Plant Signaling and Behavior</i> , 2012, 7, 907-910.	1.2	43
353	Hematopoietic Progenitor and Stem Cells Circulate by Surfing on Intracellular Ca ²⁺ Waves: A Novel Target for Cell-based Therapy and Anti-cancer Treatment?. <i>Current Signal Transduction Therapy</i> , 2012, 7, 161-176.	0.3	41
354	A Short Polybasic Segment between the Two Conserved Domains of the β 2a-Subunit Modulates the Rate of Inactivation of R-type Calcium Channel. <i>Journal of Biological Chemistry</i> , 2012, 287, 32588-32597.	1.6	10
355	The Glaucoma-associated Olfactomedin Domain of Myocilin Is a Novel Calcium Binding Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 43370-43377.	1.6	25
356	Editorial [Hot Topic Intracellular Calcium Signaling: Holding the Balance between Health and Disease Guest Editor: Luca Munaron]. <i>Current Medicinal Chemistry</i> , 2012, 19, 5765-5767.	1.2	6
357	Simulation of Charged Systems in Heterogeneous Dielectric Media via a True Energy Functional. <i>Physical Review Letters</i> , 2012, 109, 223905.	2.9	68
358	Critical role for calcium mobilization in activation of the NLRP3 inflammasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11282-11287.	3.3	709
359	Plant organellar calcium signalling: an emerging field. <i>Journal of Experimental Botany</i> , 2012, 63, 1525-1542.	2.4	296
360	A mechanostimulation system for revealing intercellular calcium communication in HUVEC networks. , 2012, , .		0
361	A new paradigm for channel coding in diffusion-based molecular communications: Molecular coding distance function. , 2012, , .		5
362	Regulation of the Ligand-dependent Activation of the Epidermal Growth Factor Receptor by Calmodulin. <i>Journal of Biological Chemistry</i> , 2012, 287, 3273-3281.	1.6	34
363	Enhanced Ca ²⁺ entry and Na ⁺ /Ca ²⁺ exchanger activity in dendritic cells from AMP-activated protein kinase-deficient mice. <i>FASEB Journal</i> , 2012, 26, 3049-3058.	0.2	34
364	Molecular and biophysical basis of glutamate and trace metal modulation of voltage-gated Cav2.3 calcium channels. <i>Journal of General Physiology</i> , 2012, 139, 219-234.	0.9	32
365	Structural and mechanistic insights into the activation of Stromal interaction molecule 1 (STIM1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5657-5662.	3.3	185
366	TRPC5 Channel Is the Mediator of Neurotrophin-3 in Regulating Dendritic Growth via CaMKII α in Rat Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 9383-9395.	1.7	41

#	ARTICLE	IF	CITATIONS
367	Constitutively Active TRPC Channels of Adipocytes Confer a Mechanism for Sensing Dietary Fatty Acids and Regulating Adiponectin. <i>Circulation Research</i> , 2012, 111, 191-200.	2.0	90
368	Identification of the functional binding pocket for compounds targeting small-conductance Ca ²⁺ -activated potassium channels. <i>Nature Communications</i> , 2012, 3, 1021.	5.8	62
369	Biochemical and functional characterization of human phospholipid scramblase 4 (hPLSCR4). <i>Biological Chemistry</i> , 2012, 393, 1173-1181.	1.2	13
370	Physiological Phenotype and Vulnerability in Parkinson's Disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a009290-a009290.	2.9	97
371	Store-operated Ca ²⁺ entry (SOCE) pathways. , 2012, , .		2
372	Constitutive lysosome exocytosis releases ATP and engages P2Y receptors in human monocytes. <i>Journal of Cell Science</i> , 2012, 125, 4567-75.	1.2	41
373	Structure of androcam supports specialized interactions with myosin VI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13290-13295.	3.3	4
374	Mitofilin complexes: conserved organizers of mitochondrial membrane architecture. <i>Biological Chemistry</i> , 2012, 393, 1247-1261.	1.2	111
375	Role of Molecular Determinants of Store-operated Ca ²⁺ Entry (Orai1, Phospholipase A2 Group 6, and) Tj ETQq0 0 0 rgBT /Overlock 10 T 40745-40757.	1.6	29
376	Calcium Signaling in Osteoclast Differentiation and Bone Resorption. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 917-932.	0.8	79
377	TRP Channels: Emerging Links Between Ca ²⁺ , Kidney and Hypertension. <i>Current Hypertension Reviews</i> , 2012, 8, 181-189.	0.5	0
378	X-Ray Fluorescence Microscopy for Investigation of Archival Tissues. <i>Health Physics</i> , 2012, 103, 181-186.	0.3	25
379	Membrane associated complexes : new approach to calcium dynamics modelling. <i>Mathematical Modelling of Natural Phenomena</i> , 2012, 7, 167-186.	0.9	3
380	Microfabricated magnetic structures for future medicine: from sensors to cell actuators. <i>Nanomedicine</i> , 2012, 7, 1611-1624.	1.7	52
381	Calcium-dependent folding of single calmodulin molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17814-17819.	3.3	71
382	Effects of SiC nanoparticles orally administered in a rat model: Biodistribution, toxicity and elemental composition changes in feces and organs. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 232-245.	1.3	29
383	Multifunctional Ferromagnetic Disks for Modulating Cell Function. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3269-3274.	1.2	27
384	Inflammatory Mediators Alter the Astrocyte Transcriptome and Calcium Signaling Elicited by Multiple G-Protein-Coupled Receptors. <i>Journal of Neuroscience</i> , 2012, 32, 14489-14510.	1.7	178

#	ARTICLE	IF	CITATIONS
385	Down-Regulation of S100A11, a Calcium-Binding Protein, in Human Endometrium May Cause Reproductive Failure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 3672-3683.	1.8	44
386	Serine Regulates Proliferation and Neuronal Differentiation of Neural Stem Cells from Postnatal Mouse Forebrain. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 4-13.	1.9	36
387	Plasma membrane calcium ATPase regulates bone mass by fine-tuning osteoclast differentiation and survival. <i>Journal of Cell Biology</i> , 2012, 199, 1145-1158.	2.3	58
388	The mitochondrial permeability transition pore (PTP) – An example of multiple molecular exaptation?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 2072-2086.	0.5	72
389	The role of calcium in chloroplasts – an intriguing and unresolved puzzle. <i>Protoplasma</i> , 2012, 249, 957-966.	1.0	61
390	High Molecular Weight Calmodulin-Binding Protein: 20 Years Onwards – A Potential Therapeutic Calpain Inhibitor. <i>Cardiovascular Drugs and Therapy</i> , 2012, 26, 321-330.	1.3	5
391	TREK-1 and Best1 Channels Mediate Fast and Slow Glutamate Release in Astrocytes upon GPCR Activation. <i>Cell</i> , 2012, 151, 25-40.	13.5	283
392	High throughput measurement of Ca ²⁺ dynamics for drug risk assessment in human stem cell-derived cardiomyocytes by kinetic image cytometry. <i>Journal of Pharmacological and Toxicological Methods</i> , 2012, 66, 246-256.	0.3	92
393	Calcium Regulates Podocyte Actin Dynamics. <i>Seminars in Nephrology</i> , 2012, 32, 319-326.	0.6	61
394	CaMKII determines mitochondrial stress responses in heart. <i>Nature</i> , 2012, 491, 269-273.	13.7	340
395	Proteomic Identification of a Novel Hsp90-Containing Protein – Mineral Complex Which Can Be Induced in Cells in Response to Massive Calcium Influx. <i>Journal of Proteome Research</i> , 2012, 11, 3160-3174.	1.8	9
396	A bimodular mechanism of calcium control in eukaryotes. <i>Nature</i> , 2012, 491, 468-472.	13.7	110
397	X-ray Structures of Magnesium and Manganese Complexes with the N-Terminal Domain of Calmodulin: Insights into the Mechanism and Specificity of Metal Ion Binding to an EF-Hand. <i>Biochemistry</i> , 2012, 51, 6182-6194.	1.2	58
399	Regucalcin, a calcium-binding protein with a role in male reproduction?. <i>Molecular Human Reproduction</i> , 2012, 18, 161-170.	1.3	35
400	Investigation of 2,6-diisopropylphenol (propofol)-evoked Ca ²⁺ movement and cell death in human glioblastoma cells. <i>Toxicology in Vitro</i> , 2012, 26, 862-871.	1.1	18
401	Compartmentation of membrane processes and nucleotide dynamics in diffusion-restricted cardiac cell microenvironment. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 401-409.	0.9	38
402	Calcium Oscillations and Waves in Cells. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 521-529.	0.8	4
403	The Control of Male Fertility by Spermatozoan Ion Channels. <i>Annual Review of Physiology</i> , 2012, 74, 453-475.	5.6	291

#	ARTICLE	IF	CITATIONS
404	Carvacrol-induced $[Ca^{2+}]_i$ rise and apoptosis in human glioblastoma cells. <i>Life Sciences</i> , 2012, 90, 703-711.	2.0	61
405	Mitochondrial calcium homeostasis as potential target for mitochondrial medicine. <i>Mitochondrion</i> , 2012, 12, 77-85.	1.6	158
406	Similarities and differences of innate immune responses elicited by smooth and rough LPS. <i>Immunology Letters</i> , 2012, 142, 41-47.	1.1	42
407	Thapsigargin decreases the Na^+ - Ca^{2+} exchanger mediated Ca^{2+} entry in pig coronary artery smooth muscle. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 730-737.	1.4	8
408	Diospyrin derivative, an anticancer quinonoid, regulates apoptosis at endoplasmic reticulum as well as mitochondria by modulating cytosolic calcium in human breast carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 903-909.	1.0	24
409	Rebuttal to Letter-to-Editor on a€“Distinction between PCa^{2+} PLC and PIa^{2+} PLC needs clarificationa€™ received for our manuscript titled a€“Diospyrin derivative, an anticancer quinonoid, regulates apoptosis at endoplasmic reticulum as well as mitochondria by modulating cytosolic calcium in human breast carcinoma cellsa€“ [BBRC 417 (2012) 903a€“909]. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 448-449.	1.0	1
410	Identification of ryanodine receptor isoforms in prostate DU-145, LNCaP, and PWR-1E cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 431-435.	1.0	11
411	Expression of the Cameleon calcium biosensor in fungi reveals distinct Ca^{2+} signatures associated with polarized growth, development, and pathogenesis. <i>Fungal Genetics and Biology</i> , 2012, 49, 589-601.	0.9	48
412	Mechanical Stretch Induced Calcium Efflux from Bone Matrix Stimulates Osteoblasts. <i>Bone</i> , 2012, 50, 581-591.	1.4	37
413	Stage-specific changes in calcium concentration in crustacean (<i>Callinectes sapidus</i>) Y-organs during a natural molting cycle, and their relation to the hemolymphatic ecdysteroid titer. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 163, 170-173.	0.8	26
414	Metal ions as modulators of protein conformation and misfolding in neurodegeneration. <i>Coordination Chemistry Reviews</i> , 2012, 256, 2253-2270.	9.5	147
415	The Role of Endoplasmic Reticulum in Hepatic Lipid Homeostasis and Stress Signaling. <i>Cell Metabolism</i> , 2012, 15, 623-634.	7.2	468
416	Applications of Calcium and its Supplement derived from Marine Organisms. <i>Critical Reviews in Food Science and Nutrition</i> , 2012, 52, 469-474.	5.4	16
417	A new frontier of wireless communication theory: diffusion-based molecular communications. <i>IEEE Wireless Communications</i> , 2012, 19, 28-35.	6.6	51
418	Spatiotemporal dynamics of intracellular calcium in the middle cerebral artery isolated from stroke-prone spontaneously hypertensive rats. <i>Experimental Physiology</i> , 2012, 97, 265-276.	0.9	1
419	Knockdown of PLC-gamma-2 and calmodulin 1 genes sensitizes human cervical adenocarcinoma cells to doxorubicin and paclitaxel. <i>Cancer Cell International</i> , 2012, 12, 30.	1.8	15
420	TRPV6 and Calbindin-D9k-expression and localization in the bovine uterus and placenta during pregnancy. <i>Reproductive Biology and Endocrinology</i> , 2012, 10, 66.	1.4	15
421	STEPS: efficient simulation of stochastic reaction-diffusion models in realistic morphologies. <i>BMC Systems Biology</i> , 2012, 6, 36.	3.0	133

#	ARTICLE	IF	CITATIONS
422	Gonadotrophinâ€Releasing Hormone Signalling Downstream of Calmodulin. Journal of Neuroendocrinology, 2012, 24, 1463-1475.	1.2	28
423	The vascular barrier-protecting hawthorn extract WSÂ® 1442 raises endothelial calcium levels by inhibition of SERCA and activation of the IP3 pathway. Journal of Molecular and Cellular Cardiology, 2012, 53, 567-577.	0.9	18
424	Oligogalacturonides: Novel Signaling Molecules in Rhizobium-Legume Communications. Molecular Plant-Microbe Interactions, 2012, 25, 1387-1395.	1.4	17
425	Decreases in plasma membrane Ca ²⁺ â€ATPase in brain synaptic membrane rafts from aged rats. Journal of Neurochemistry, 2012, 123, 689-699.	2.1	29
426	Thymosin Î²4 is rapidly internalized by cells and does not induce intracellular Ca ²⁺ elevation. Annals of the New York Academy of Sciences, 2012, 1269, 44-52.	1.8	11
428	Role of Ion Channels and Transporters in Cell Migration. Physiological Reviews, 2012, 92, 1865-1913.	13.1	350
429	A link between LRRK2, autophagy and NAADP-mediated endolysosomal calcium signalling. Biochemical Society Transactions, 2012, 40, 1140-1146.	1.6	26
430	Roles of Arabidopsis bax inhibitor-1 in delaying methyl jasmonate-induced leaf senescence. Plant Signaling and Behavior, 2012, 7, 1488-1489.	1.2	7
431	Osteoblasts detect pericellular calcium concentration increase via neomycin-sensitive voltage gated calcium channels. Bone, 2012, 51, 860-867.	1.4	16
432	Criticality in Intracellular Calcium Signaling in Cardiac Myocytes. Biophysical Journal, 2012, 102, 2433-2442.	0.2	81
433	Calcium Regulation of Myosin-I Tension Sensing. Biophysical Journal, 2012, 102, 2799-2807.	0.2	27
434	Electrical synapses between All amacrine cells in the retina: Function and modulation. Brain Research, 2012, 1487, 160-172.	1.1	54
435	Quantitative Fluorescent Live Cell Imaging of Intracellular Ca ²⁺ and H ⁺ Ions in Malaria Parasites. Methods in Enzymology, 2012, 505, 469-483.	0.4	4
436	Plexin structures are coming: opportunities for multilevel investigations of semaphorin guidance receptors, their cell signaling mechanisms, and functions. Cellular and Molecular Life Sciences, 2012, 69, 3765-3805.	2.4	145
438	Plant Signaling Under Abiotic Stress Environment. , 2012, , 297-323.		29
439	A common response to common danger? Comparison of animal and plant signaling pathways involved in cadmium sensing. Journal of Cell Communication and Signaling, 2012, 6, 191-204.	1.8	18
440	Induction of the mitochondrial permeability transition (MPT) by micromolar iron: Liberation of calcium is more important than NAD(P)H oxidation. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1537-1549.	0.5	10
441	Visualizing Dynamic Activities of Signaling Enzymes Using Genetically Encodable Fret-Based Biosensors. Methods in Enzymology, 2012, 504, 317-340.	0.4	49

#	ARTICLE	IF	CITATIONS
442	Chemical Genetics of Cardiac Regeneration. , 2012, , 707-720.		0
443	Intracellular Alkalinization Induces Cytosolic Ca ²⁺ Increases by Inhibiting Sarco/Endoplasmic Reticulum Ca ²⁺ -ATPase (SERCA). PLoS ONE, 2012, 7, e31905.	1.1	39
444	Human U87 Astrocytoma Cell Invasion Induced by Interaction of β 1g-h3 with Integrin α 5 β 1 Involves Calpain-2. PLoS ONE, 2012, 7, e37297.	1.1	33
445	Blockage of Spontaneous Ca ²⁺ Oscillation Causes Cell Death in Intraerythrocytic Plasmodium falciparum. PLoS ONE, 2012, 7, e39499.	1.1	27
446	Characterization and Functional Analysis of the Calmodulin-Binding Domain of Rac1 GTPase. PLoS ONE, 2012, 7, e42975.	1.1	15
447	Myogenic Potential of Whole Bone Marrow Mesenchymal Stem Cells In Vitro and In Vivo for Usage in Urinary Incontinence. PLoS ONE, 2012, 7, e45538.	1.1	40
448	Comparative Analysis of Calcium Spikes upon Activation of Serotonin1A and Purinergic Receptors. PLoS ONE, 2012, 7, e51857.	1.1	2
449	Physiological and pathophysiological functions of SOCE in the immune system. Frontiers in Bioscience - Elite, 2012, E4, 2253.	0.9	47
450	Calcium signaling as a regulator of hematopoiesis. Frontiers in Bioscience - Elite, 2012, E4, 1375-1384.	0.9	14
451	Information-Selectivity of Beta-Amyloid Pathology in an Associative Memory Model. Frontiers in Computational Neuroscience, 2012, 6, 2.	1.2	6
452	Ca ²⁺ sensor proteins in dendritic spines: a race for Ca ²⁺ . Frontiers in Molecular Neuroscience, 2012, 5, 61.	1.4	33
453	Update on vascular endothelial Ca ²⁺ signalling: A tale of ion channels, pumps and transporters. World Journal of Biological Chemistry, 2012, 3, 127.	1.7	105
454	STIM and Orai in cellular proliferation and division. Frontiers in Bioscience - Elite, 2012, E4, 331.	0.9	21
455	Multilevel complexity of calcium signaling: Modeling angiogenesis. World Journal of Biological Chemistry, 2012, 3, 121.	1.7	13
456	Millimeter Wave-induced Modulation of Calcium Dynamics in an Engineered Skin Co-culture Model: Role of Secreted ATP on Calcium Spiking. Journal of Radiation Research, 2012, 53, 159-167.	0.8	6
457	Expression of transient receptor potential channel 6 in cervical cancer. OncoTargets and Therapy, 2012, 5, 171.	1.0	8
458	Calcium channels as therapeutic targets. Environmental Sciences Europe, 2012, 1, 433-451.	2.6	15
459	Ca ^v ₃ β type calcium channels. Environmental Sciences Europe, 2012, 1, 467-491.	2.6	22

#	ARTICLE	IF	CITATIONS
460	Phosphorylation of Calcineurin B-like (CBL) Calcium Sensor Proteins by Their CBL-interacting Protein Kinases (CIPKs) Is Required for Full Activity of CBL-CIPK Complexes toward Their Target Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 7956-7968.	1.6	179
461	Ca ²⁺ Signaling: An Outlook on the Characterization of Ca ²⁺ Channels and Their Importance in Cellular Functions. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 143-157.	0.8	34
462	HDAC5 is a novel injury-regulated tubulin deacetylase controlling axon regeneration. <i>EMBO Journal</i> , 2012, 31, 3063-3078.	3.5	178
463	The impact of alpha-N-acetylation on structural and functional status of parvalbumin. <i>Cell Calcium</i> , 2012, 52, 366-376.	1.1	25
464	Mitochondria as sensors and regulators of calcium signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 566-578.	16.1	1,369
465	Extracellular calcium chronically induced human osteoblasts effects: Specific modulation of osteocalcin and collagen type XV. <i>Journal of Cellular Physiology</i> , 2012, 227, 3151-3161.	2.0	27
466	Common variants in RYR1 are associated with left ventricular hypertrophy assessed by electrocardiogram. <i>European Heart Journal</i> , 2012, 33, 1250-1256.	1.0	19
467	Subcellular Resolution Imaging in Neural Circuits. <i>Neuromethods</i> , 2012, , 61-89.	0.2	0
468	Physiological Implications of Hydrogen Sulfide: A Whiff Exploration That Blossomed. <i>Physiological Reviews</i> , 2012, 92, 791-896.	13.1	1,618
470	A Multiscale Hybrid Model for Pro-angiogenic Calcium Signals in a Vascular Endothelial Cell. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 1253-1291.	0.9	10
471	17 β -Estradiol Rapidly Activates Calcium Release from Intracellular Stores via the GPR30 Pathway and MAPK Phosphorylation in Osteocyte-Like MLO-Y4 Cells. <i>Calcified Tissue International</i> , 2012, 90, 411-419.	1.5	23
472	A type of voltage-dependent Ca ²⁺ channel on <i>Vicia faba</i> guard cell plasma membrane outwardly permeates K ⁺ . <i>Protoplasma</i> , 2012, 249, 699-708.	1.0	3
473	Cytoprotective effects of melatonin on astroglial cells subjected to palmitic acid treatment in vitro. <i>Journal of Pineal Research</i> , 2012, 52, 253-264.	3.4	40
474	Store operated Ca ²⁺ entry dependent contraction of coronary artery smooth muscle: Inhibition by peroxide pretreatment. <i>Cell Calcium</i> , 2012, 51, 149-154.	1.1	15
475	Calcium signaling in closely related protozoan groups (Alveolata): Non-parasitic ciliates (Paramecium.) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.1	46
476	Mitochondrial Ca ²⁺ and apoptosis. <i>Cell Calcium</i> , 2012, 52, 36-43.	1.1	361
477	The renaissance of Ca ²⁺ -binding proteins in the nervous system: secretagogin takes center stage. <i>Cellular Signalling</i> , 2012, 24, 378-387.	1.7	59
478	Down-regulation of Homer1b/c attenuates glutamate-mediated excitotoxicity through endoplasmic reticulum and mitochondria pathways in rat cortical neurons. <i>Free Radical Biology and Medicine</i> , 2012, 52, 208-217.	1.3	112

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479	CRAC Channels Drive Digital Activation and Provide Analog Control and Synergy to Ca ²⁺ -Dependent Gene Regulation. <i>Current Biology</i> , 2012, 22, 242-247.	1.8	61
480	Differential alterations of synaptic plasticity in dentate gyrus and CA1 hippocampal area of Calbindin-D28K knockout mice. <i>Brain Research</i> , 2012, 1450, 1-10.	1.1	31
481	Effect of Methoxychlor on Ca ²⁺ Movement and Viability in MDCK Renal Tubular Cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 111, 224-231.	1.2	1
482	Active regulation of the epidermal calcium profile. <i>Journal of Theoretical Biology</i> , 2012, 301, 112-121.	0.8	18
483	Privileged coupling between Ca ²⁺ entry through plasma membrane store-operated Ca ²⁺ channels and the endoplasmic reticulum Ca ²⁺ pump. <i>Molecular and Cellular Endocrinology</i> , 2012, 353, 37-44.	1.6	46
484	Structural Basis for Calmodulin as a Dynamic Calcium Sensor. <i>Structure</i> , 2012, 20, 911-923.	1.6	106
485	Thymosin β 4 promotes the migration of endothelial cells without intracellular Ca ²⁺ elevation. <i>Experimental Cell Research</i> , 2012, 318, 1659-1666.	1.2	13
486	Osmoreception: Perspectives on signal transduction and environmental modulation. <i>General and Comparative Endocrinology</i> , 2012, 176, 354-360.	0.8	42
487	Differential regulation of TRPV4 mRNA levels by acclimation salinity and extracellular osmolality in euryhaline tilapia. <i>General and Comparative Endocrinology</i> , 2012, 178, 123-130.	0.8	20
488	Thinking of Co ²⁺ staining explant tissue or cultured cells? How to make it reliable and specific. <i>European Journal of Neuroscience</i> , 2012, 35, 1201-1207.	1.2	4
489	Human keratinocytes respond to direct current stimulation by increasing intracellular calcium: Preferential response of poorly differentiated cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 2660-2667.	2.0	25
490	Ancient Origin of Four-Domain Voltage-gated Na ⁺ Channels Predates the Divergence of Animals and Fungi. <i>Journal of Membrane Biology</i> , 2012, 245, 117-123.	1.0	27
491	Effects of external calcium on the biotransformation of ginsenoside Rb1 to ginsenoside Rd by <i>Paecilomyces bainier</i> 229-7. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 857-863.	1.7	7
492	The Arabidopsis calmodulin-like proteins AtCML30 and AtCML3 are targeted to mitochondria and peroxisomes, respectively. <i>Plant Molecular Biology</i> , 2012, 78, 211-222.	2.0	70
493	Regulation and rate limiting mechanisms of Ca ²⁺ ATPase (SERCA2) expression in cardiac myocytes. <i>Molecular and Cellular Biochemistry</i> , 2012, 361, 85-96.	1.4	15
494	Integrin-mediated signaling contributes to gadolinium-containing-particle-promoted cell survival and G1 to S phase cell cycle transition by enhancing focal adhesion formation. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 375-385.	1.1	11
495	Xanthorrhizol Induces Apoptosis Through ROS-Mediated MAPK Activation in Human Oral Squamous Cell Carcinoma Cells and Inhibits DMBA-Induced Oral Carcinogenesis in Hamsters. <i>Phytotherapy Research</i> , 2013, 27, 493-498.	2.8	34
496	Development of UV-Excitable Red and Near-Infrared Fluorescent Labels and Their Application for Simultaneous Multicolor Bioimaging by Single-Wavelength Excitation. <i>Journal of Fluorescence</i> , 2013, 23, 1007-1018.	1.3	8

#	ARTICLE	IF	CITATIONS
497	TF/FVIIa/PAR2 promotes cell proliferation and migration via PKC δ and ERK-dependent c-Jun/AP-1 pathway in colon cancer cell line SW620. <i>Tumor Biology</i> , 2013, 34, 2573-2581.	0.8	46
498	Retinal Degeneration. <i>Methods in Molecular Biology</i> , 2013, , .	0.4	12
499	Emerging mechanisms and consequences of calcium regulation of alternative splicing in neurons and endocrine cells. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4527-4536.	2.4	28
500	Critical role of TRPC6 channels in the development of human renal cell carcinoma. <i>Molecular Biology Reports</i> , 2013, 40, 5115-5122.	1.0	32
501	Optical control and study of biological processes at the single-cell level in a live organism. <i>Reports on Progress in Physics</i> , 2013, 76, 072601.	8.1	14
502	In pursuit of small molecule chemistry for calcium Ca^{2+} -permeable non Ca^{2+} -selective TRPC channels – mirage or pot of gold?. <i>British Journal of Pharmacology</i> , 2013, 170, 459-474.	2.7	86
503	Metal Ion Sensing Using Ion Chemical Exchange Saturation Transfer ^{19}F Magnetic Resonance Imaging. <i>Journal of the American Chemical Society</i> , 2013, 135, 12164-12167.	6.6	67
504	Intracellular calcium release modulates polycystin-2 trafficking. <i>BMC Nephrology</i> , 2013, 14, 34.	0.8	12
505	Cytoplasmic free Ca^{2+} is essential for multiple steps in malaria parasite egress from infected erythrocytes. <i>Malaria Journal</i> , 2013, 12, 41.	0.8	46
506	Intracellular click reaction with a fluorescent chemical Ca^{2+} indicator to prolong its cytosolic retention. <i>Chemical Communications</i> , 2013, 49, 7313.	2.2	6
508	Oxidative stress induced by P2X7 receptor stimulation in murine macrophages is mediated by c-Src/Pyk2 and ERK1/2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4650-4659.	1.1	40
509	Enhancement of reproductive performances of Gangetic leaffish, <i>Nandus nandus</i> through up regulation of serum Ca^{2+} concentration, improved morphological alteration of liver and ovary with dietary polyunsaturated fatty acids. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 779-791.	0.9	14
510	Cadmium and cellular signaling cascades: interactions between cell death and survival pathways. <i>Archives of Toxicology</i> , 2013, 87, 1743-1786.	1.9	207
511	Chemical Activators of Protein Phosphatase-1 Induce Calcium Release inside Intact Cells. <i>Chemistry and Biology</i> , 2013, 20, 1179-1186.	6.2	17
512	Nuclear calcium signalling in the regulation of brain function. <i>Nature Reviews Neuroscience</i> , 2013, 14, 593-608.	4.9	295
513	Biochemical alterations induced by acute oral doses of iron oxide nanoparticles in Wistar rats. <i>Drug and Chemical Toxicology</i> , 2013, 36, 296-305.	1.2	57
514	Effect of Mechanochemical Treatment on Physicochemical and Antitumor Properties of Betulin Diacetate Mixtures with Arabinogalactan. <i>Chemistry of Natural Compounds</i> , 2013, 49, 470-474.	0.2	11
515	Protons as Second Messenger Regulators of G Protein Signaling. <i>Molecular Cell</i> , 2013, 51, 531-538.	4.5	70

#	ARTICLE	IF	CITATIONS
516	Bioinorganic Neurochemistry. , 2013, , 207-240.		1
517	Cardiac Hypertrophy. , 2013, , 569-569.		0
518	Ca ²⁺ released from calcium alginate gels can promote inflammatory responses in vitro and in vivo. Acta Biomaterialia, 2013, 9, 9281-9291.	4.1	78
519	TRPV3 Channels Mediate Strontium-Induced Mouse-Egg Activation. Cell Reports, 2013, 5, 1375-1386.	2.9	61
520	Design, synthesis and pharmacological characterization of analogs of 2-aminoethyl diphenylborinate (2-APB), a known store-operated calcium channel blocker, for inhibition of TRPV6-mediated calcium transport. Bioorganic and Medicinal Chemistry, 2013, 21, 3202-3213.	1.4	54
521	Photoactivatable Lipid Probes for Studying Biomembranes by Photoaffinity Labeling. Chemical Reviews, 2013, 113, 7880-7929.	23.0	79
522	Isradipine prevents rotenone-induced intracellular calcium rise that accelerates senescence in human neuroblastoma SH-SY5Y cells. Neuroscience, 2013, 246, 243-253.	1.1	32
523	Calcium homeostasis in Pseudomonas aeruginosa requires multiple transporters and modulates swarming motility. Cell Calcium, 2013, 54, 350-361.	1.1	49
524	Structural Basis for the Counter-Transport Mechanism of a H ⁺ /Ca ²⁺ Exchanger. Science, 2013, 341, 168-172.	6.0	73
525	Apo States of Calmodulin and CaBP1 Control CaV1 Voltage-Gated Calcium Channel Function through Direct Competition for the IQ Domain. Journal of Molecular Biology, 2013, 425, 3217-3234.	2.0	50
526	Crystal structure of Ca ²⁺ /H ⁺ antiporter protein YfkE reveals the mechanisms of Ca ²⁺ efflux and its pH regulation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11367-11372.	3.3	52
527	Modulation of membrane phospholipids, the cytosolic calcium influx and cell proliferation following treatment of B16-F10 cells with recombinant phospholipase-D from Loxosceles intermedia (brown spider) venom. Toxicon, 2013, 67, 17-30.	0.8	28
528	Genetically Encoded Calcium Indicators and Astrocyte Calcium Microdomains. Neuroscientist, 2013, 19, 274-291.	2.6	56
529	Subcellular calcium measurements in mammalian cells using jellyfish photoprotein aequorin-based probes. Nature Protocols, 2013, 8, 2105-2118.	5.5	149
530	Characterization of the depth distribution of Ca, Fe and Zn in skin samples, using synchrotron micro-x-ray fluorescence (Si ⁴ XRF) to help quantify in-vivo measurements of elements in the skin. Applied Radiation and Isotopes, 2013, 77, 68-75.	0.7	26
531	Primary cilia are specialized calcium signalling organelles. Nature, 2013, 504, 311-314.	13.7	429
532	MICU1 Motifs Define Mitochondrial Calcium Uniporter Binding and Activity. Cell Reports, 2013, 5, 1576-1588.	2.9	112
533	A genome-wide association study of chemotherapy-induced alopecia in breast cancer patients. Breast Cancer Research, 2013, 15, R81.	2.2	29

#	ARTICLE	IF	CITATIONS
534	How Does the Cell Overcome LCP Nanoparticle-Induced Calcium Toxicity?. <i>Molecular Pharmaceutics</i> , 2013, 10, 4391-4395.	2.3	38
535	mTORC1 enhancement of STIM1-mediated store-operated Ca ²⁺ entry constrains tuberous sclerosis complex-related tumor development. <i>Oncogene</i> , 2013, 32, 4702-4711.	2.6	33
536	Calmodulin in a Heartbeat. <i>FEBS Journal</i> , 2013, 280, 5511-5532.	2.2	80
537	Analytical surveillance of emerging drugs of abuse and drug formulations. <i>Life Sciences</i> , 2013, 92, 512-519.	2.0	10
538	Ubiquilin 1 interacts with Orai1 to regulate calcium mobilization. <i>Molecules and Cells</i> , 2013, 35, 41-46.	1.0	22
539	Regulation of endothelial MAPK/ERK signalling and capillary morphogenesis by low-amplitude electric field. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120548.	1.5	48
540	Pisiferdiol restores the growth of a mutant yeast suffering from hyperactivated Ca ²⁺ signalling through calcineurin inhibition. <i>FEMS Yeast Research</i> , 2013, 13, 16-22.	1.1	7
541	Arabidopsis SOS3 plays an important role in salt tolerance by mediating calcium-dependent microfilament reorganization. <i>Plant Cell Reports</i> , 2013, 32, 139-148.	2.8	42
542	Noncanonical EF-hand motif strategically delays Ca ²⁺ buffering to enhance cardiac performance. <i>Nature Medicine</i> , 2013, 19, 305-312.	15.2	39
543	Synthesis and biological evaluation of 1-(2-hydroxy-3-phenyloxypropyl)piperazine derivatives as T-type calcium channel blockers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1887-1890.	1.0	3
544	TRPM7 triggers Ca ²⁺ sparks and invadosome formation in neuroblastoma cells. <i>Cell Calcium</i> , 2013, 54, 404-415.	1.1	64
545	Inhibition of store-operated Ca ²⁺ entry suppresses EGF-induced migration and eliminates extravasation from vasculature in nasopharyngeal carcinoma cell. <i>Cancer Letters</i> , 2013, 336, 390-397.	3.2	35
546	The mechanism of carvacrol-evoked [Ca ²⁺] _i rises and non-Ca ²⁺ -triggered cell death in OC2 human oral cancer cells. <i>Toxicology</i> , 2013, 303, 152-161.	2.0	28
547	Calcium binding by the PKD1 domain regulates interdomain flexibility in <i>Vibrio cholerae</i> metalloprotease PrtV. <i>FEBS Open Bio</i> , 2013, 3, 263-270.	1.0	10
548	Method for Accurate Determination of Dissociation Constants of Optical Ratiometric Systems: Chemical Probes, Genetically Encoded Sensors, and Interacting Molecules. <i>Analytical Chemistry</i> , 2013, 85, 11479-11486.	3.2	41
549	Over-expression of N-type calcium channels in cortical neurons from a mouse model of Amyotrophic Lateral Sclerosis. <i>Experimental Neurology</i> , 2013, 247, 349-358.	2.0	45
550	Effect of Resveratrol on Oxygen Consumption by <i>Philasterides dicentrarchi</i> , a Scuticociliate Parasite of Turbot. <i>Protist</i> , 2013, 164, 206-217.	0.6	13
551	Dimerization of pro-oncogenic protein Anterior Gradient 2 is required for the interaction with BiP/GRP78. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 610-615.	1.0	29

#	ARTICLE	IF	CITATIONS
552	Molecular cloning of a plasma membrane Ca ²⁺ ATPase (PMCA) from Y-organs of the blue crab (<i>Callinectes sapidus</i>), and determination of spatial and temporal patterns of PMCA gene expression. <i>Gene</i> , 2013, 522, 8-17.	1.0	8
553	A new <i>Atp2b2</i> deafwaddler allele, <i>dfwi5</i> , interacts strongly with <i>Cdh23</i> and other auditory modifiers. <i>Hearing Research</i> , 2013, 304, 41-48.	0.9	20
554	Calcium and Endoplasmic Reticulum-Mitochondria Tethering in Neurodegeneration. <i>DNA and Cell Biology</i> , 2013, 32, 140-146.	0.9	53
555	The molecular hug between the ER and the mitochondria. <i>Current Opinion in Cell Biology</i> , 2013, 25, 443-448.	2.6	127
556	Organization and function of membrane contact sites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2526-2541.	1.9	399
557	The role of transcription-independent damage signals in the initiation of epithelial wound healing. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 249-262.	16.1	217
558	Regulation of Cation Balance in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2013, 193, 677-713.	1.2	222
559	Cysteine-Mediated Redox Signaling: Chemistry, Biology, and Tools for Discovery. <i>Chemical Reviews</i> , 2013, 113, 4633-4679.	23.0	941
561	NCLX: The mitochondrial sodium calcium exchanger. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 59, 205-213.	0.9	132
562	Inhibition of T-type calcium channels disrupts Akt signaling and promotes apoptosis in glioblastoma cells. <i>Biochemical Pharmacology</i> , 2013, 85, 888-897.	2.0	80
563	Red Fluorescent Probe for Monitoring the Dynamics of Cytoplasmic Calcium Ions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3874-3877.	7.2	71
564	Disruption of Intracellular Calcium Regulation Is Integral to Aminoglycoside-Induced Hair Cell Death. <i>Journal of Neuroscience</i> , 2013, 33, 7513-7525.	1.7	75
565	Microsolvation and hydration enthalpies of CaC ₂ O ₄ (H ₂ O) _n (n = 0-16) and C ₂ O ₄ ²⁻ (H ₂ O) _n (n = 0-14): an ab initio study. <i>Journal of Molecular Modeling</i> , 2013, 19, 1459-1471.	0.8	4
566	Exapting exaptation. <i>Trends in Ecology and Evolution</i> , 2013, 28, 497-498.	4.2	46
567	Downregulation of the Mitochondrial Calcium Uniporter by Cancer-Related miR-25. <i>Current Biology</i> , 2013, 23, 58-63.	1.8	198
569	Capturing single L-type Ca ²⁺ channel function with optics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1657-1664.	1.9	11
570	A review on ochratoxin A transcriptomic studies. <i>Food and Chemical Toxicology</i> , 2013, 59, 766-783.	1.8	49
571	Förster resonance energy transfer studies of calmodulin produced by native protein ligation reveal interdomain electrostatic repulsion. <i>FEBS Journal</i> , 2013, 280, 2675-2687.	2.2	15

#	ARTICLE	IF	CITATIONS
572	Detergent resistant membrane fractions are involved in calcium signaling in Müller glial cells of retina. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1758-1766.	1.2	8
573	Effect of lead sulfide nanoparticles exposure on calcium homeostasis in rat hippocampus neurons. <i>Journal of Inorganic Biochemistry</i> , 2013, 126, 70-75.	1.5	30
574	Cu,Zn-SOD. , 2013, , 743-743.		0
575	Ca ²⁺ , Calmodulin and Plant-Specific Calmodulin-Binding Proteins: Implications in Abiotic Stress Adaptation. , 2013, , 1-23.		2
576	Ca ²⁺ channels and praziquantel: A view from the free world. <i>Parasitology International</i> , 2013, 62, 619-628.	0.6	55
577	Photoresponsive Ion Extraction/Release Systems: Dynamic Ion Optodes for Calcium and Sodium Based on Photochromic Spiropyran. <i>Analytical Chemistry</i> , 2013, 85, 2983-2990.	3.2	34
578	Roles of Ion Transport in Control of Cell Motility. , 2013, 3, 59-119.		32
579	Membrane associated complexes in calcium dynamics modelling. <i>Physical Biology</i> , 2013, 10, 035004.	0.8	25
580	Mechanically induced intercellular calcium communication in confined endothelial structures. <i>Biomaterials</i> , 2013, 34, 2049-2056.	5.7	21
581	Regulation of NKG2D-ligand cell surface expression by intracellular calcium after HDAC-inhibitor treatment. <i>Molecular Immunology</i> , 2013, 53, 255-264.	1.0	9
582	Cd ²⁺ as a Ca ²⁺ Surrogate in Protein-Membrane Interactions: Isostructural but Not Isofunctional. <i>Journal of the American Chemical Society</i> , 2013, 135, 12980-12983.	6.6	12
583	Calmodulin-like protein AtCML3 mediates dimerization of peroxisomal processing protease AtDEG15 and contributes to normal peroxisome metabolism. <i>Plant Molecular Biology</i> , 2013, 83, 607-624.	2.0	23
584	Free-energy functionals of the electrostatic potential for Poisson-Boltzmann theory. <i>Physical Review E</i> , 2013, 88, 022305.	0.8	9
585	Calmodulin Transduces Ca ²⁺ Oscillations into Differential Regulation of Its Target Proteins. <i>ACS Chemical Neuroscience</i> , 2013, 4, 601-612.	1.7	18
586	DNA 5-Methylcytosine Demethylation Activities of the Mammalian DNA Methyltransferases. <i>Journal of Biological Chemistry</i> , 2013, 288, 9084-9091.	1.6	95
587	A variational formulation of electrostatics in a medium with spatially varying dielectric permittivity. <i>Journal of Chemical Physics</i> , 2013, 138, 054119.	1.2	39
588	Transient disorder. <i>Intrinsically Disordered Proteins</i> , 2013, 1, e26412.	1.9	16
590	Morphological, immunocytochemical, and functional characterization of esophageal enteric neurons in primary culture. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G129-G138.	1.6	7

#	ARTICLE	IF	CITATIONS
591	Inactive ERBB Receptors Cooperate With Reactive Oxygen Species To Suppress Cancer Progression. <i>Molecular Therapy</i> , 2013, 21, 1996-2007.	3.7	15
592	Interorganellar Membrane Microdomains: Dynamic Platforms in the Control of Calcium Signaling and Apoptosis. <i>Cells</i> , 2013, 2, 574-590.	1.8	14
593	Detection Techniques for Diffusion-based Molecular Communication. <i>IEEE Journal on Selected Areas in Communications</i> , 2013, 31, 726-734.	9.7	147
594	Purinergic stimulation of K ⁺ -dependent Na ⁺ /Ca ²⁺ exchanger isoform 4 requires dual activation by PKC and CaMKII. <i>Bioscience Reports</i> , 2013, 33, .	1.1	11
596	Barcoding T Cell Calcium Response Diversity with Methods for Automated and Accurate Analysis of Cell Signals (MAAACS). <i>PLoS Computational Biology</i> , 2013, 9, e1003245.	1.5	36
597	Ca ²⁺ signalling early in evolution “all but primitive”. <i>Journal of Cell Science</i> , 2013, 126, 2141-50.	1.2	63
598	Involvement of Calcium-Mediated Reactive Oxygen Species in Inductive GRP78 Expression by Geldanamycin in 9L Rat Brain Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2013, 14, 19169-19185.	1.8	6
599	Enhancement of Palmarumycins C12 and C13 Production in Liquid Culture of Endophytic Fungus <i>Berkleasmium</i> sp. Dzf12 after Treatments with Metal Ions. <i>International Journal of Molecular Sciences</i> , 2013, 14, 979-998.	1.8	17
600	Alternative Splicing of the Pituitary Adenylate Cyclase-Activating Polypeptide Receptor PAC1: Mechanisms of Fine Tuning of Brain Activity. <i>Frontiers in Endocrinology</i> , 2013, 4, 55.	1.5	82
601	Coordinated waves of actomyosin flow and apical cell constriction immediately after wounding. <i>Journal of Cell Biology</i> , 2013, 202, 365-379.	2.3	125
602	ATP2B1 and blood pressure. <i>Current Opinion in Nephrology and Hypertension</i> , 2013, 22, 177-184.	1.0	18
603	Overexpression of CXCR4 in tracheal epithelial cells promotes their proliferation and migration to a stromal cell-derived factor-1 gradient. <i>Experimental Biology and Medicine</i> , 2013, 238, 144-150.	1.1	4
604	Coupled Ca ²⁺ /H ⁺ transport by cytoplasmic buffers regulates local Ca ²⁺ and H ⁺ ion signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2064-73.	3.3	81
605	Ion channels and regulation of insulin secretion in human β^2 -cells. <i>Islets</i> , 2013, 5, 1-15.	0.9	64
606	Kisspeptin Activation of TRPC4 Channels in Female GnRH Neurons Requires PIP2 Depletion and cSrc Kinase Activation. <i>Endocrinology</i> , 2013, 154, 2772-2783.	1.4	51
607	Calcium in Red Blood Cells—A Perilous Balance. <i>International Journal of Molecular Sciences</i> , 2013, 14, 9848-9872.	1.8	204
608	Novel Role for SHP-2 in Nutrient-Responsive Control of S6 Kinase 1 Signaling. <i>Molecular and Cellular Biology</i> , 2013, 33, 293-306.	1.1	24
609	Regulators of Calcium Homeostasis Identified by Inference of Kinetic Model Parameters from Live Single Cells Perturbed by siRNA. <i>Science Signaling</i> , 2013, 6, ra56.	1.6	69

#	ARTICLE	IF	CITATIONS
610	Cadmium-Induced Apoptosis in Primary Rat Cerebral Cortical Neurons Culture Is Mediated by a Calcium Signaling Pathway. PLoS ONE, 2013, 8, e64330.	1.1	132
611	Characterization of inward currents and channels underlying burst activity in motoneurons of crab cardiac ganglion. Journal of Neurophysiology, 2013, 110, 42-54.	0.9	22
612	Parasitoid wasp venom SERCA regulates <i>Drosophila</i> calcium levels and inhibits cellular immunity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9427-9432.	3.3	70
613	Ca ²⁺ /S100 Proteins Act as Upstream Regulators of the Chaperone-associated Ubiquitin Ligase CHIP (C) Tj ETQq1 1,0,784314 rgBT /Ove	1.6	34
614	Store-Independent Orai1/3 Channels Activated by Intracrine LeukotrieneC ₄ . Circulation Research, 2013, 112, 1013-1025.	2.0	106
615	Quantitative interactions between the A-type K ⁺ current and inositol trisphosphate receptors regulate intraneuronal Ca ²⁺ waves and synaptic plasticity. Journal of Physiology, 2013, 591, 1645-1669.	1.3	40
616	Identification and characterization of D410E, a novel mutation in the loop 3 domain of <sc>CASR</sc>, in autosomal dominant hypocalcemia and a therapeutic approach using a novel calcilytic, <sc>AXT</sc>914. Clinical Endocrinology, 2013, 78, 687-693.	1.2	14
617	Spontaneous Calcium Transients in Human Neural Progenitor Cells Mediated by Transient Receptor Potential Channels. Stem Cells and Development, 2013, 22, 2477-2486.	1.1	26
618	A Ca ²⁺ -dependent signalling circuit regulates influenza A virus internalization and infection. Nature Communications, 2013, 4, 2763.	5.8	90
619	Inhibition of endothelial cell <sc>Ca</sc>²⁺</sc> entry and transient receptor potential channels by <sc>S</sc> receptor ligands. British Journal of Pharmacology, 2013, 168, 1445-1455.	2.7	48
620	Phospho-regulation and nucleocytoplasmic trafficking of <sc>CrzA</sc> in response to calcium and alkaline stress in <i>Aspergillus nidulans</i> . Molecular Microbiology, 2013, 89, 532-551.	1.2	63
621	Calcium, Bioenergetics, and Neuronal Vulnerability in Parkinson's Disease. Journal of Biological Chemistry, 2013, 288, 10736-10741.	1.6	179
622	Molecular pharmacology of store-operated CRAC channels. Channels, 2013, 7, 402-414.	1.5	77
623	STIM proteins, Orai1, and gene expression. Channels, 2013, 7, 374-378.	1.5	14
624	Nuclear factor of activated T cells mediates RhoA-induced fibronectin upregulation in glomerular podocytes. American Journal of Physiology - Renal Physiology, 2013, 304, F849-F862.	1.3	12
625	Role of transient receptor potential channels in adipocyte biology. Expert Review of Endocrinology and Metabolism, 2013, 8, 173-182.	1.2	8
626	Interaction between p68 RNA helicase and Ca ²⁺ -calmodulin promotes cell migration and metastasis. Nature Communications, 2013, 4, 1354.	5.8	44
627	The histone variant MacroH2A regulates Ca ²⁺ influx through TRPC3 and TRPC6 channels. Oncogenesis, 2013, 2, e77-e77.	2.1	31

#	ARTICLE	IF	CITATIONS
628	Imaging calcium microdomains within entire astrocyte territories and endfeet with GCaMPs expressed using adeno-associated viruses. <i>Journal of General Physiology</i> , 2013, 141, 633-647.	0.9	312
629	Ca ²⁺ signals: The versatile decoders of environmental cues. <i>Critical Reviews in Biotechnology</i> , 2013, 33, 97-109.	5.1	59
630	Calcium influx in mammalian eggs. <i>Reproduction</i> , 2013, 145, R97-R105.	1.1	22
631	Near-optimal low complexity receiver design for diffusion-based molecular communication. , 2013, , .		2
632	Parasitoid wasp virulence. <i>Fly</i> , 2013, 7, 242-248.	0.9	15
633	Characteristics of Transient Receptor Potential Canonical Calcium-Permeable Channels and Their Relevance to Vascular Physiology and Disease. <i>Circulation Journal</i> , 2013, 77, 570-579.	0.7	73
634	Riboavin (Vitamin B2). , 2013, , 204-279.		0
635	Highlighted Ca ²⁺ imaging with a genetically encoded "caged"™ indicator. <i>Scientific Reports</i> , 2013, 3, 1398.	1.6	26
636	Enhanced radiation response in radioresistant MCF-7 cells by targeting peroxiredoxin II. <i>Breast Cancer: Targets and Therapy</i> , 2013, 5, 87.	1.0	8
637	Inositol Trisphosphate and Calcium Signaling. , 2013, , 583-589.		18
638	The Yeast Transcription Factor Crz1 Is Activated by Light in a Ca ²⁺ /Calcineurin-Dependent and PKA-Independent Manner. <i>PLoS ONE</i> , 2013, 8, e53404.	1.1	41
639	Proteome Mapping of Adult Zebrafish Marrow Neutrophils Reveals Partial Cross Species Conservation to Human Peripheral Neutrophils. <i>PLoS ONE</i> , 2013, 8, e73998.	1.1	8
640	The Inhibitory Helix Controls the Intramolecular Conformational Switching of the C-Terminus of STIM1. <i>PLoS ONE</i> , 2013, 8, e74735.	1.1	40
641	Relationship between NaCl- and H ₂ O ₂ -Induced Cytosolic Ca ²⁺ Increases in Response to Stress in Arabidopsis. <i>PLoS ONE</i> , 2013, 8, e76130.	1.1	28
642	The Involvement of PI3K-Mediated and L-VGCC-Gated Transient Ca ²⁺ Influx in 17 β -Estradiol-Mediated Protection of Retinal Cells from H ₂ O ₂ -Induced Apoptosis with Ca ²⁺ Overload. <i>PLoS ONE</i> , 2013, 8, e77218.	1.1	24
643	Direct Regulation of Cytochrome c Oxidase by Calcium Ions. <i>PLoS ONE</i> , 2013, 8, e74436.	1.1	32
644	TAZ Expression as a Prognostic Indicator in Colorectal Cancer. <i>PLoS ONE</i> , 2013, 8, e54211.	1.1	132
645	Properties of BK-type Ca ⁺⁺ -dependent K ⁺ channel currents in medial prefrontal cortex pyramidal neurons in rats of different ages. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 185.	1.8	20

#	ARTICLE	IF	CITATIONS
646	Identification of CP12 as a Novel Calcium-Binding Protein in Chloroplasts. <i>Plants</i> , 2013, 2, 530-540.	1.6	19
647	Towards the Physics of Calcium Signalling in Plants. <i>Plants</i> , 2013, 2, 541-588.	1.6	27
648	Modulating Plant Calcium for Better Nutrition and Stress Tolerance. <i>ISRN Botany</i> , 2013, 2013, 1-22.	0.8	10
649	Directing Adult Human Periodontal Ligament-Derived Stem Cells to Retinal Fate. <i>Stem Cells</i> , 2013, 31, 3965.		45
650	Applications of Electrochemistry to Redox Metalloproteins and Cofactors. <i>Electrochimica Acta</i> , 2014, 111, 99-157.		0
651	Profiling of Concanavalin A-Binding Glycoproteins in Human Hepatic Stellate Cells Activated with Transforming Growth Factor- β 1. <i>Molecules</i> , 2014, 19, 19845-19867.	1.7	13
652	Sorcini Links Calcium Signaling to Vesicle Trafficking, Regulates Polo-Like Kinase 1 and Is Necessary for Mitosis. <i>PLoS ONE</i> , 2014, 9, e85438.	1.1	43
653	Mitochondrial Calcium Uniporter MCU Supports Cytoplasmic Ca ²⁺ Oscillations, Store-Operated Ca ²⁺ Entry and Ca ²⁺ -Dependent Gene Expression in Response to Receptor Stimulation. <i>PLoS ONE</i> , 2014, 9, e101188.	1.1	85
654	Two Structural Motifs within Canonical EF-Hand Calcium-Binding Domains Identify Five Different Classes of Calcium Buffers and Sensors. <i>PLoS ONE</i> , 2014, 9, e109287.	1.1	61
655	Regucalcin Expression in Bovine Tissues and Its Regulation by Sex Steroid Hormones in Accessory Sex Glands. <i>PLoS ONE</i> , 2014, 9, e113950.	1.1	10
656	Ca ²⁺ Signalling in Endothelial Progenitor Cells: A Novel Means to Improve Cell-Based Therapy and Impair Tumour Vascularisation. <i>Current Vascular Pharmacology</i> , 2014, 12, 87-105.	0.8	61
657	Tsg101 regulates PI(4,5)P ₂ /Ca ²⁺ signaling for HIV-1 Gag assembly. <i>Frontiers in Microbiology</i> , 2014, 5, 234.	1.5	10
658	Physiological characterization of formyl peptide receptor expressing cells in the mouse vomeronasal organ. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 134.	0.9	15
659	Elongation factor-2 phosphorylation in dendrites and the regulation of dendritic mRNA translation in neurons. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 35.	1.8	84
660	1D-3D hybrid modeling from multi-compartment models to full resolution models in space and time. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 68.	1.3	9
661	Osteoclastogenesis and osteoimmunology. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 758.	3.0	17
663	Store-operated Ca ²⁺ entry regulates glioma cell migration and invasion via modulation of Pyk2 phosphorylation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2014, 33, 98.	3.5	40
664	Ca ²⁺ -mediated Mitochondrial Reactive Oxygen Species Metabolism Augments Wnt/ β -Catenin Pathway Activation to Facilitate Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2014, 289, 27937-27951.	1.6	90

#	ARTICLE	IF	CITATIONS
665	Deficiency of osteoblastic Arl6ip5 impaired osteoblast differentiation and enhanced osteoclastogenesis via disturbance of ER calcium homeostasis and induction of ER stress-mediated apoptosis. <i>Cell Death and Disease</i> , 2014, 5, e1464-e1464.	2.7	28
666	Photocaged DNAzymes as a General Method for Sensing Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13798-13802.	7.2	181
667	Activation of mGluR5 Attenuates NMDA-Induced Neurotoxicity through Disruption of the NMDAR-PSD-95 Complex and Preservation of Mitochondrial Function in Differentiated PC12 Cells. <i>International Journal of Molecular Sciences</i> , 2014, 15, 10892-10907.	1.8	13
668	Convergent regulation of the lysosomal two-pore channel-2 by Mg ²⁺ , NAADP, PI(3,5)P ₂ and multiple protein kinases. <i>EMBO Journal</i> , 2014, 33, 501-511.	3.5	162
669	Dimerization of Peptides by Calcium Ions: Investigation of a Calcium-Binding Motif. <i>International Journal of Proteomics</i> , 2014, 2014, 1-8.	2.0	6
670	Ca ²⁺ /S100 proteins inhibit the interaction of FKBP38 with Bcl-2 and Hsp90. <i>Biochemical Journal</i> , 2014, 458, 141-152.	1.7	23
671	Dracocephalum: Novel Anticancer Plant Acting on Liver Cancer Cell Mitochondria. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	48
672	Ca ²⁺ switches the effect of PS-containing membranes on Factor Xa from activating to inhibiting: implications for initiation of blood coagulation. <i>Biochemical Journal</i> , 2014, 462, 591-601.	1.7	18
673	Caffeine-induced Ca ²⁺ oscillations in type I horizontal cell of carp retina: A mathematical model. <i>Channels</i> , 2014, 8, 509-518.	1.5	2
674	Comparative phylogenomics of the CBL-CIPK calcium-decoding network in the moss <i>Physcomitrella</i> , <i>Arabidopsis</i> , and other green lineages. <i>Frontiers in Plant Science</i> , 2014, 5, 187.	1.7	72
675	Ca ²⁺ -dependent Signal Transduction. <i>Colloquium Series on Building Blocks of the Cell Cell Structure and Function</i> , 2014, 2, 1-68.	0.5	0
676	Activation of a TRP-like channel and intracellular calcium dynamics during phospholipase C-mediated cell death. <i>Journal of Cell Science</i> , 2014, 127, 3817-29.	1.2	16
677	Execution of RIPK3-regulated necrosis. <i>Molecular and Cellular Oncology</i> , 2014, 1, e960759.	0.3	30
678	Calcium Binding to Calmodulin by Molecular Dynamics with Effective Polarization. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3964-3969.	2.1	60
679	T-Type Ca ²⁺ Channel Inhibition Induces p53-Dependent Cell Growth Arrest and Apoptosis through Activation of p38-MAPK in Colon Cancer Cells. <i>Molecular Cancer Research</i> , 2014, 12, 348-358.	1.5	51
680	A Pollen Coat-Inducible Autoinhibited Ca ²⁺ -ATPase Expressed in Stigmatic Papilla Cells Is Required for Compatible Pollination in the Brassicaceae. <i>Plant Cell</i> , 2014, 26, 636-649.	3.1	83
681	Photocaged DNAzymes as a General Method for Sensing Metal Ions in Living Cells. <i>Angewandte Chemie</i> , 2014, 126, 14018-14022.	1.6	43
682	Subcellular Elevation of Cytosolic Free Calcium Is Required for Osteoclast Migration. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 725-734.	3.1	14

#	ARTICLE	IF	CITATIONS
683	Calcium influx pathways in breast cancer: opportunities for pharmacological intervention. <i>British Journal of Pharmacology</i> , 2014, 171, 945-960.	2.7	123
684	Ca ²⁺ signals, NAADP and two-pore channels: role in cellular differentiation. <i>Acta Physiologica</i> , 2014, 211, 285-296.	1.8	21
686	Identifying Ca ²⁺ -Binding Sites in Proteins by Liquid Chromatography-Mass Spectrometry Using Ca ²⁺ -Directed Dissociations. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3177-3183.	2.5	0
687	Cell cultivation under different gravitational loads using a novel random positioning incubator. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1180-1190.	1.7	34
688	Calcium Regulation in the Protozoan Model, <i>Paramecium tetraurelia</i> . <i>Journal of Eukaryotic Microbiology</i> , 2014, 61, 95-114.	0.8	31
689	Stressed to death – mechanisms of ER stress-induced cell death. <i>Biological Chemistry</i> , 2014, 395, 1-13.	1.2	179
690	GAP, an aequorin-based fluorescent indicator for imaging Ca ²⁺ in organelles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2584-2589.	3.3	64
691	Integrating the interactome and the transcriptome of <i>Drosophila</i> . <i>BMC Bioinformatics</i> , 2014, 15, 177.	1.2	4
692	Characterization of ex vivo cultured neuronal- and glial- like cells from human idiopathic epiretinal membranes. <i>BMC Ophthalmology</i> , 2014, 14, 165.	0.6	8
693	Are cellular mechanosensors potential therapeutic targets in osteoarthritis?. <i>International Journal of Clinical Rheumatology</i> , 2014, 9, 155-167.	0.3	11
694	Active DNA demethylation of the vertebrate genomes by DNA methyltransferases: deaminase, dehydroxymethylase or demethylase?. <i>Epigenomics</i> , 2014, 6, 353-363.	1.0	20
695	Suppression of STIM1 in the early stage after global ischemia attenuates the injury of delayed neuronal death by inhibiting store-operated calcium entry-induced apoptosis in rats. <i>NeuroReport</i> , 2014, 25, 507-513.	0.6	28
696	Transient Receptor Potential Ion Channels. <i>Annals of Surgery</i> , 2014, 259, 229-235.	2.1	42
697	Conformational Mechanisms of Signaling Bias of Ion Channels. , 2014, , 173-207.		3
698	Enhanced Membrane Permeability of <i>Saccharomyces cerevisiae</i> Induced by Dielectric Barrier Discharge Plasma at Atmospheric Pressure. <i>Advanced Materials Research</i> , 2014, 1033-1034, 229-235.	0.3	1
699	A Simple Method for Establishing Adherent <i>Ex Vivo</i> Explant Cultures from Human Eye Pathologies for Use in Subsequent Calcium Imaging and Inflammatory Studies. <i>Journal of Immunology Research</i> , 2014, 2014, 1-10.	0.9	16
700	Wave instability of intercellular Ca ²⁺ oscillations. <i>Europhysics Letters</i> , 2014, 106, 18005.	0.7	20
701	Calmodulin and PI(3,4,5)P ₃ cooperatively bind to the Itk pleckstrin homology domain to promote efficient calcium signaling and IL-17A production. <i>Science Signaling</i> , 2014, 7, ra74.	1.6	22

#	ARTICLE	IF	CITATIONS
702	Physiological Function and Characterization of TRPCs in Neurons. <i>Cells</i> , 2014, 3, 455-475.	1.8	29
703	STAT3 Activities and Energy Metabolism: Dangerous Liaisons. <i>Cancers</i> , 2014, 6, 1579-1596.	1.7	35
704	Calcium's Role in Mechanotransduction during Muscle Development. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 249-272.	1.1	11,109
705	Metabolic memory of β -cells controls insulin secretion and is mediated by CaMKII α . <i>Molecular Metabolism</i> , 2014, 3, 484-489.	3.0	21
706	Can TiC nanoparticles produce toxicity in oral administration to rats?. <i>Toxicology Reports</i> , 2014, 1, 172-187.	1.6	13
707	Role of STIM1 in survival and neural differentiation of mouse embryonic stem cells independent of Orai1-mediated Ca ²⁺ entry. <i>Stem Cell Research</i> , 2014, 12, 452-466.	0.3	23
708	Macrophage alteration induced by inflammatory toxins isolated from <i>Tityus discrepans</i> scorpion venom. The role of Na ⁺ /Ca ²⁺ exchangers. <i>Toxicon</i> , 2014, 82, 61-75.	0.8	15
709	The elusive importance of being a mitochondrial Ca ²⁺ uniporter. <i>Cell Calcium</i> , 2014, 55, 139-145.	1.1	84
710	CaMKII oxidative activation and the pathogenesis of cardiac disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 73, 112-116.	0.9	122
711	H-Ras-driven tumoral maintenance is sustained through caveolin-1-dependent alterations in calcium signaling. <i>Oncogene</i> , 2014, 33, 2329-2340.	2.6	54
712	T-type calcium channels blockers as new tools in cancer therapies. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 801-810.	1.3	82
713	The many faces of calmodulin in cell proliferation, programmed cell death, autophagy, and cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 398-435.	1.9	264
714	Detection of alkali and alkaline earth metal ions by fluorescence spectroscopy. <i>Inorganica Chimica Acta</i> , 2014, 417, 109-141.	1.2	11
715	The clinically approved drugs amiodarone, dronedarone and verapamil inhibit filovirus cell entry. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2123-2131.	1.3	159
716	Microfluidic single-cell analysis for systems immunology. <i>Lab on A Chip</i> , 2014, 14, 1246.	3.1	82
717	G-protein-coupled receptor participates in 20-hydroxyecdysone signaling on the plasma membrane. <i>Cell Communication and Signaling</i> , 2014, 12, 9.	2.7	35
718	Calcium-induced calcium release mediates all-or-nothing responses of mesenchymal stromal cells to noradrenaline. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2014, 8, 82-88.	0.3	1
719	Synthesis and Evaluation of 1,4-Dihydropyridine Derivatives with Calcium Channel Blocking Activity. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 1355-1363.	1.3	53

#	ARTICLE	IF	CITATIONS
720	TLR-Mediated Secretion of Endoplasmic Reticulum Aminopeptidase 1 from Macrophages. <i>Journal of Immunology</i> , 2014, 192, 4443-4452.	0.4	29
721	Ion-Exchange Polymer Nanofibers for Enhanced Osteogenic Differentiation of Stem Cells and Ectopic Bone Formation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 72-82.	4.0	30
722	KCa and Ca ²⁺ channels: The complex thought. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2322-2333.	1.9	130
723	CYCLOPS, A DNA-Binding Transcriptional Activator, Orchestrates Symbiotic Root Nodule Development. <i>Cell Host and Microbe</i> , 2014, 15, 139-152.	5.1	302
724	Structural differences among subfamilies of EF-hand proteins-A view from the pseudo two-fold symmetry axis. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 2915-2924.	1.5	13
725	Ca ²⁺ -binding Motif of β -Crystallins. <i>Journal of Biological Chemistry</i> , 2014, 289, 10958-10966.	1.6	39
727	By inhibiting Src, verapamil and dasatinib overcome multidrug resistance via increased expression of Bim and decreased expressions of MDR1 and survivin in human multidrug-resistant myeloma cells. <i>Leukemia Research</i> , 2014, 38, 121-130.	0.4	47
728	Life and death under salt stress: same players, different timing?. <i>Journal of Experimental Botany</i> , 2014, 65, 2963-2979.	2.4	240
729	Synergistic effects of bisphosphonate and calcium phosphate nanoparticles on peri-implant bone responses in osteoporotic rats. <i>Biomaterials</i> , 2014, 35, 5482-5490.	5.7	79
730	Seipin Promotes Adipose Tissue Fat Storage through the ER Ca ²⁺ -ATPase SERCA. <i>Cell Metabolism</i> , 2014, 19, 861-871.	7.2	132
731	Exosomes Are Involved in Mediating Radiation Induced Bystander Signaling in Human Keratinocyte Cells. <i>Radiation Research</i> , 2014, 181, 138-145.	0.7	141
732	Functional expression of adrenoreceptors in mesenchymal stromal cells derived from the human adipose tissue. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1899-1908.	1.9	35
733	Nonlinear and stochastic dynamics in the heart. <i>Physics Reports</i> , 2014, 543, 61-162.	10.3	166
734	Structurally Distinct Ca ²⁺ Signaling Domains of Sperm Flagella Orchestrate Tyrosine Phosphorylation and Motility. <i>Cell</i> , 2014, 157, 808-822.	13.5	210
735	Using yeast to model calcium-related diseases: Example of the Hailey-Hailey disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2315-2321.	1.9	10
736	Frequency decoding of calcium oscillations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 964-969.	1.1	236
737	Oxidative Stress and Ion Channels. , 2014, , 355-373.		7
738	How ORAI and TRP channels interfere with each other: Interaction models and examples from the immune system and the skin. <i>European Journal of Pharmacology</i> , 2014, 739, 49-59.	1.7	51

#	ARTICLE	IF	CITATIONS
739	A polarized Ca ²⁺ , diacylglycerol and STIM1 signalling system regulates directed cell migration. <i>Nature Cell Biology</i> , 2014, 16, 133-144.	4.6	202
740	Intracellular calcium channels in protozoa. <i>European Journal of Pharmacology</i> , 2014, 739, 4-18.	1.7	18
741	Ion Channels in Regulation of Neuronal Regenerative Activities. <i>Translational Stroke Research</i> , 2014, 5, 156-162.	2.3	30
742	The endoplasmic reticulumâ€“mitochondria connection: One touch, multiple functions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 461-469.	0.5	392
743	Phosphatidic acid integrates calcium signaling and microtubule dynamics into regulating ABA-induced stomatal closure in <i>Arabidopsis</i> . <i>Planta</i> , 2014, 239, 565-575.	1.6	73
744	<i>MSMB</i> variation and prostate cancer risk: Clues towards a possible fungal etiology. <i>Prostate</i> , 2014, 74, 569-578.	1.2	36
745	The many functions of the endoplasmic reticulum chaperones and folding enzymes. <i>IUBMB Life</i> , 2014, 66, 318-326.	1.5	91
746	Distinguishing unfolding and functional conformational transitions of calmodulin using ultraviolet resonance Raman spectroscopy. <i>Protein Science</i> , 2014, 23, 1094-1101.	3.1	6
747	The TRPC channel blocker SKF 96365 inhibits glioblastoma cell growth by enhancing reverse mode of the Na ⁺ /Ca ²⁺ exchanger and increasing intracellular Ca ²⁺ . <i>British Journal of Pharmacology</i> , 2014, 171, 3432-3447.	2.7	47
748	Inverse regulation of melanoma growth and migration by Orai1/STIM2-dependent calcium entry. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 442-453.	1.5	84
749	Calcium signaling in insulin action on striated muscle. <i>Cell Calcium</i> , 2014, 56, 390-396.	1.1	40
750	The morphology and function of thrombotic calcite precipitating biofilms: A universal model derived from freshwater mesocosm experiments. <i>Sedimentology</i> , 2014, 61, 22-40.	1.6	45
751	Proteomics Analysis of Amyloid and Nonamyloid Prion Disease Phenotypes Reveals Both Common and Divergent Mechanisms of Neuropathogenesis. <i>Journal of Proteome Research</i> , 2014, 13, 4620-4634.	1.8	20
752	Mid-range Ca ²⁺ signalling mediated by functional coupling between store-operated Ca ²⁺ entry and IP3-dependent Ca ²⁺ release. <i>Nature Communications</i> , 2014, 5, 3916.	5.8	52
753	Fluorescent hydrogels for studying Ca ²⁺ -dependent reactionâ€“diffusion processes. <i>Chemical Communications</i> , 2014, 50, 3089-3092.	2.2	3
754	Samarium doped glass-reinforced hydroxyapatite with enhanced osteoblastic performance and antibacterial properties for bone tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5872-5881.	2.9	40
755	Interaction among the vacuole, the mitochondria, and the oxidative stress response is governed by the transient receptor potential channel in <i>Candida albicans</i> . <i>Free Radical Biology and Medicine</i> , 2014, 77, 152-167.	1.3	33
756	Store-Operated CRAC Channels Regulate Gene Expression and Proliferation in Neural Progenitor Cells. <i>Journal of Neuroscience</i> , 2014, 34, 9107-9123.	1.7	123

#	ARTICLE	IF	CITATIONS
757	Role of calcium in membrane interactions by PI(4,5)P2-binding proteins. <i>Biochemical Society Transactions</i> , 2014, 42, 1441-1446.	1.6	16
758	β CaMKII Shuttles Ca^{2+} /CaM to the Nucleus to Trigger CREB Phosphorylation and Gene Expression. <i>Cell</i> , 2014, 159, 281-294.	13.5	221
759	Protein transport into the human ER and related diseases, Sec61-channelopathies. <i>Biochemistry and Cell Biology</i> , 2014, 92, 499-509.	0.9	21
760	G-protein $\beta\gamma$ participates in the steroid hormone 20-hydroxycyclopropane nongenomic signal transduction. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 313-323.	1.2	14
761	Stromal Interaction Molecule 1 (STIM1) and Orai1 Mediate Histamine-evoked Calcium Entry and Nuclear Factor of Activated T-cells (NFAT) Signaling in Human Umbilical Vein Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 29446-29456.	1.6	33
762	Complex role of STIM1 in the activation of store-independent Orai1/3 channels. <i>Journal of General Physiology</i> , 2014, 143, 345-359.	0.9	70
763	Early Evolution of the Eukaryotic Ca^{2+} Signaling Machinery: Conservation of the CatSper Channel Complex. <i>Molecular Biology and Evolution</i> , 2014, 31, 2735-2740.	3.5	44
764	Neuropeptides as neuroprotective agents: Oxytocin a forefront developmental player in the mammalian brain. <i>Progress in Neurobiology</i> , 2014, 123, 37-78.	2.8	44
765	Epigallocatechin-3-gallate elicits Ca^{2+} spike in MCF-7 breast cancer cells: Essential role of Cav3.2 channels. <i>Cell Calcium</i> , 2014, 56, 285-295.	1.1	30
766	Connecting the Cytoskeleton to the Endoplasmic Reticulum and Golgi. <i>Current Biology</i> , 2014, 24, R660-R672.	1.8	158
768	The mechanism of honokiol-induced intracellular Ca^{2+} rises and apoptosis in human glioblastoma cells. <i>Chemico-Biological Interactions</i> , 2014, 221, 13-23.	1.7	14
769	Accurate Description of Calcium Solvation in Concentrated Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7902-7909.	1.2	125
770	UVB Irradiation Enhances TiO_2 Nanoparticle-Induced Disruption of Calcium Homeostasis in Human Lens Epithelial Cells. <i>Photochemistry and Photobiology</i> , 2014, 90, 1324-1331.	1.3	21
771	Dendritic cell membrane CD83 enhances immune responses by boosting intracellular calcium release in T lymphocytes. <i>Journal of Leukocyte Biology</i> , 2014, 95, 755-762.	1.5	27
772	Reduced Renal Calcium Excretion in the Absence of Sclerostin Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2159-2168.	3.0	19
773	An Arabidopsis mutant impaired in intracellular calcium elevation is sensitive to biotic and abiotic stress. <i>BMC Plant Biology</i> , 2014, 14, 162.	1.6	42
774	A Computational Model of Motor Neuron Degeneration. <i>Neuron</i> , 2014, 83, 975-988.	3.8	145
775	Signaling in cells and organisms – calcium holds the line. <i>Current Opinion in Plant Biology</i> , 2014, 22, 14-21.	3.5	147

#	ARTICLE	IF	CITATIONS
776	Mitochondria: from cell death executioners to regulators of cell differentiation. <i>Trends in Cell Biology</i> , 2014, 24, 761-770.	3.6	343
777	Role of Statherin in oral carcinogenesis. <i>Oral Oncology</i> , 2014, 50, e55-e56.	0.8	2
778	ERâ€™ Mitochondrial Calcium Flow Underlies Vulnerability of Mechanosensory Hair Cells to Damage. <i>Journal of Neuroscience</i> , 2014, 34, 9703-9719.	1.7	100
779	Effect of the Brugada syndrome mutation A39V on calmodulin regulation of Cav1.2 channels. <i>Molecular Brain</i> , 2014, 7, 34.	1.3	11
780	Extracellular calcium and CaSR drive osteoinduction in mesenchymal stromal cells. <i>Acta Biomaterialia</i> , 2014, 10, 2824-2833.	4.1	103
781	Activity of nicotinic acid substituted nicotinic acid adenine dinucleotide phosphate (NAADP) analogs in a human cell line: Difference in specificity between human and sea urchin NAADP receptors. <i>Cell Calcium</i> , 2014, 55, 93-103.	1.1	9
782	Calcium Influx, But Not Intracellular Calcium Release, Supports PACAP-Mediated ERK Activation in HEK PAC1 Receptor Cells. <i>Journal of Molecular Neuroscience</i> , 2014, 54, 342-350.	1.1	19
783	Ca ²⁺ /H ⁺ exchange, luminal Ca ²⁺ release and Ca ²⁺ /ATP coupling ratios in the sarcoplasmic reticulum ATPase. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 5-11.	1.8	45
784	Effects of polyunsaturated fatty acids (PUFAs) on gonadal maturation and spawning of striped gourami, <i>Colisa fasciatus</i> . <i>International Aquatic Research</i> , 2014, 6, 1.	1.5	10
785	Arachidonic acid activates release of calcium ions from reticulum via ryanodine receptor channels in C2C12 skeletal myotubes. <i>Biochemistry (Moscow)</i> , 2014, 79, 435-439.	0.7	6
786	Overexpression of UCP1 in tobacco induces mitochondrial biogenesis and amplifies a broad stress response. <i>BMC Plant Biology</i> , 2014, 14, 144.	1.6	39
787	Acute Phencyclidine Treatment Induces Extensive and Distinct Protein Phosphorylation in Rat Frontal Cortex. <i>Journal of Proteome Research</i> , 2014, 13, 1578-1592.	1.8	13
788	Neuronal Voltage-Gated Calcium Channels: Structure, Function, and Dysfunction. <i>Neuron</i> , 2014, 82, 24-45.	3.8	489
789	The intracellular delivery of TATâ€™equorin reveals calcium-mediated sensing of environmental and symbiotic signals by the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> . <i>New Phytologist</i> , 2014, 203, 1012-1020.	3.5	24
790	The Ca ²⁺ /H ⁺ antiporter TMEM165 expression, localization in the developing, lactating and involuting mammary gland parallels the secretory pathway Ca ²⁺ ATPase (SPCA1). <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 417-421.	1.0	20
791	Calmodulin modulates insect odorant receptor function. <i>Cell Calcium</i> , 2014, 55, 191-199.	1.1	51
792	Compartmentalisation of second messenger signalling pathways. <i>Current Opinion in Genetics and Development</i> , 2014, 27, 20-25.	1.5	50
793	ERp57 modulates mitochondrial calcium uptake through the MCU. <i>FEBS Letters</i> , 2014, 588, 2087-2094.	1.3	17

#	ARTICLE	IF	CITATIONS
794	An interplay between 2 signaling pathways: Melatonin-cAMP and IP3 \rightarrow Ca ²⁺ signaling pathways control intraerythrocytic development of the malaria parasite Plasmodium falciparum. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 125-131.	1.0	22
795	N3Sim: Simulation framework for diffusion-based molecular communication nanonetworks. <i>Simulation Modelling Practice and Theory</i> , 2014, 42, 210-222.	2.2	53
796	Bcl-2 regulation of the inositol 1,4,5-trisphosphate receptor and calcium signaling in normal and malignant lymphocytes: Potential new target for cancer treatment. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2205-2210.	1.9	42
797	A Self-Sequestered Calmodulin-like Ca ²⁺ Sensor of Mitochondrial SCaMC Carrier and Its Implication to Ca ²⁺ -Dependent ATP-Mg/Pi Transport. <i>Structure</i> , 2014, 22, 209-217.	1.6	28
798	Cation Binding Site of cytochrome c oxidase: Progress report. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1188-1195.	0.5	21
799	Ca ²⁺ signaling and fluid secretion by secretory cells of the airway epithelium. <i>Cell Calcium</i> , 2014, 55, 325-336.	1.1	50
800	A computational model of lysosome-ER Ca ²⁺ microdomains. <i>Journal of Cell Science</i> , 2014, 127, 2934-43.	1.2	56
801	HLA and rheumatoid arthritis: How do they connect?. <i>Annals of Medicine</i> , 2014, 46, 304-310.	1.5	26
802	Pumping Ca ²⁺ up H ⁺ gradients: a Ca ²⁺ \rightarrow H ⁺ exchanger without a membrane. <i>Journal of Physiology</i> , 2014, 592, 3179-3188.	1.3	22
803	Association of cellular and molecular alterations in Leydig cells with apoptotic changes in germ cells from testes of <i>Graomys griseoflavus</i> — <i>Graomys centralis</i> male hybrids. <i>Acta Histochemica</i> , 2014, 116, 1037-1045.	0.9	3
804	Functional and molecular features of the calmodulin-interacting protein IQCG required for haematopoiesis in zebrafish. <i>Nature Communications</i> , 2014, 5, 3811.	5.8	18
805	Assay for characterizing the recovery of vertebrate cells for adhesion measurements by single \rightarrow cell force spectroscopy. <i>FEBS Letters</i> , 2014, 588, 3639-3648.	1.3	28
806	Adaptive response and tolerance to sugar and salt stress in the food yeast <i>Zygosaccharomyces rouxii</i> . <i>International Journal of Food Microbiology</i> , 2014, 185, 140-157.	2.1	114
807	The tumor suppressor annexin A10 is a novel component of nuclear paraspeckles. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 311-329.	2.4	16
808	The coupling of plasma membrane calcium entry to calcium uptake by endoplasmic reticulum and mitochondria. <i>Journal of Physiology</i> , 2014, 592, 261-268.	1.3	39
809	Real \rightarrow time calcium measurements of live optically trapped microorganisms. <i>Journal of Biophotonics</i> , 2014, 7, 571-579.	1.1	1
810	\rightarrow -Mercuration of cellular proteins by methylmercury and its toxicological implications. <i>Journal of Toxicological Sciences</i> , 2014, 39, 687-700.	0.7	44
811	Sorcin, a Calcium Binding Protein Involved in the Multidrug Resistance Mechanisms in Cancer Cells. <i>Molecules</i> , 2014, 19, 13976-13989.	1.7	61

#	ARTICLE	IF	CITATIONS
812	When Neurons Encounter Nanoobjects: Spotlight on Calcium Signalling. International Journal of Environmental Research and Public Health, 2014, 11, 9621-9637.	1.2	12
813	Magnesium and embryonic development. Magnesium Research, 2014, 27, 1-8.	0.4	27
814	Purification, crystallization and preliminary X-ray diffraction of the N-terminal calmodulin-like domain of the human mitochondrial ATP-Mg/Picarrier S _{Ca} MC1. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 68-71.	0.4	3
815	Efficient and accurate simulation of dynamic dielectric objects. Journal of Chemical Physics, 2014, 140, 064903.	1.2	63
817	In Search of the Pivot Point of Mechanotransduction: Mechanosensing of Stem Cells. Cell Transplantation, 2014, 23, 1-11.	1.2	48
818	Effects of calcium signaling on coagulation factor VIIa-induced proliferation and migration of the SW620 colon cancer cell line. Molecular Medicine Reports, 2014, 10, 3021-3026.	1.1	6
819	The direct modulatory activity of zinc toward ion channels. Integrative Medicine Research, 2015, 4, 142-146.	0.7	29
820	Membrane potential governs calcium influx into microvascular endothelium: integral role for muscarinic receptor activation. Journal of Physiology, 2015, 593, 4531-4548.	1.3	35
821	Mitochondrion as a Target for Heart Failure Therapy – Role of Protein Lysine Acetylation. Circulation Journal, 2015, 79, 1863-1870.	0.7	37
822	NQO1-induced activation of AMPK contributes to cancer cell death by oxygen-glucose deprivation. Scientific Reports, 2015, 5, 7769.	1.6	19
823	CalQuo: automated, simultaneous single-cell and population-level quantification of global intracellular Ca ²⁺ responses. Scientific Reports, 2015, 5, 16487.	1.6	10
824	Transdifferentiation of periodontal ligament-derived stem cells into retinal ganglion-like cells and its microRNA signature. Scientific Reports, 2015, 5, 16429.	1.6	47
825	Alpha-lipoic acid protects against cadmium-induced hepatotoxicity via calcium signalling and gap junctional intercellular communication in rat hepatocytes. Journal of Toxicological Sciences, 2015, 40, 469-477.	0.7	19
827	Calcium Spikes in Epithelium: study on Drosophila early embryos. Scientific Reports, 2015, 5, 11379.	1.6	16
828	Ionic structure in liquids confined by dielectric interfaces. Journal of Chemical Physics, 2015, 143, 194508.	1.2	50
829	Impact of Na ⁺ /Ca ²⁺ Exchangers on Therapy Resistance of Ovary Carcinoma Cells. Cellular Physiology and Biochemistry, 2015, 37, 1857-1868.	1.1	16
830	A New Integrin-Binding Site on a Transglutaminase-Catalyzed Polymer. , 2015, , 129-151.		0
831	Cell-Based Modeling. , 2015, , 195-201.		4

#	ARTICLE	IF	CITATIONS
832	Molecular simulations study of novel 1,4-dihydropyridines derivatives with a high selectivity for Ca^{2+} calcium channel. <i>Protein Science</i> , 2015, 24, 1737-1747.	3.1	9
833	<i>A. thaliana</i> CML25 mediates the Ca^{2+} regulation of K^{+} transmembrane trafficking during pollen germination and tube elongation. <i>Plant, Cell and Environment</i> . 2015. 38. 2372-2386.	2.8	46
834	Intracellular Ca^{2+} -handling differs markedly between intact human muscle fibers and myotubes. <i>Skeletal Muscle</i> , 2015, 5, 26.	1.9	22
836	Surviving Mass Extinctions through Biomineralized DNA. <i>Chemistry - A European Journal</i> , 2015, 21, 18892-18898.	1.7	6
837	Label-Free Imaging of Dynamic and Transient Calcium Signaling in Single Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13576-13580.	7.2	26
838	The Application of LbL-Microcarriers for the Treatment of Chronic Inflammation: Monitoring the Impact of LbL-Microcarriers on Cell Viability. <i>Macromolecular Bioscience</i> , 2015, 15, 546-557.	2.1	7
840	A single and rapid calcium wave at egg activation in <i>Drosophila</i> . <i>Biology Open</i> , 2015, 4, 553-560.	0.6	36
841	TRPC1 and metabotropic glutamate receptor expression in rat auditory midbrain neurons. <i>Journal of Neuroscience Research</i> , 2015, 93, 964-972.	1.3	14
842	The CBL-CIPK signaling module in plants: a mechanistic perspective. <i>Physiologia Plantarum</i> , 2015, 155, 89-108.	2.6	83
844	Graphene-Oxide-Conjugated Polymer Hybrid Materials for Calmodulin Sensing by Using FRET Strategy. <i>Advanced Functional Materials</i> , 2015, 25, 4412-4418.	7.8	48
845	Polymer Surface Interacts with Calcium in Aqueous Media to Induce Stem Cell Assembly. <i>Advanced Healthcare Materials</i> , 2015, 4, 2186-2194.	3.9	8
846	Molecular cloning and expression of the calmodulin gene from guinea pig hearts. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 2311-2318.	0.8	0
847	SKF95365 induces apoptosis and cell-cycle arrest by disturbing oncogenic Ca^{2+} signaling in nasopharyngeal carcinoma cells. <i>OncoTargets and Therapy</i> , 2015, 8, 3123.	1.0	19
848	Calcium signals regulated by NAADP and two-pore channels - their role in development, differentiation and cancer. <i>International Journal of Developmental Biology</i> , 2015, 59, 341-355.	0.3	15
849	Generation of Red-Shifted Cameleons for Imaging Ca^{2+} Dynamics of the Endoplasmic Reticulum. <i>Sensors</i> , 2015, 15, 13052-13068.	2.1	26
850	Stim and Orai proteins in neuronal Ca^{2+} signaling and excitability. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 153.	1.8	135
851	Inhibitory and excitatory axon terminals share a common nano-architecture of their Cav2.1 (P/Q-type) Ca^{2+} channels. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 315.	1.8	33
852	Calcium sparks in the heart: dynamics and regulation. <i>Research and Reports in Biology</i> , 2015, 6, 203.	0.2	18

#	ARTICLE	IF	CITATIONS
853	Isoproterenol Acts as a Biased Agonist of the Alpha-1A-Adrenoceptor that Selectively Activates the MAPK/ERK Pathway. PLoS ONE, 2015, 10, e0115701.	1.1	25
854	Towards a Quantitative Theory of Epidermal Calcium Profile Formation in Unwounded Skin. PLoS ONE, 2015, 10, e0116751.	1.1	16
855	TMEM203 Is a Novel Regulator of Intracellular Calcium Homeostasis and Is Required for Spermatogenesis. PLoS ONE, 2015, 10, e0127480.	1.1	25
856	Septic Shock in Advanced Age: Transcriptome Analysis Reveals Altered Molecular Signatures in Neutrophil Granulocytes. PLoS ONE, 2015, 10, e0128341.	1.1	27
857	High-Throughput Tissue Bioenergetics Analysis Reveals Identical Metabolic Allometric Scaling for Teleost Hearts and Whole Organisms. PLoS ONE, 2015, 10, e0137710.	1.1	27
858	Design of a Novel Equi-Biaxial Stretcher for Live Cellular and Subcellular Imaging. PLoS ONE, 2015, 10, e0140283.	1.1	21
859	Impact of kinase activating and inactivating patient mutations on binary PKA interactions. Frontiers in Pharmacology, 2015, 6, 170.	1.6	10
860	Abiotic stress responses in plants: roles of calmodulin-regulated proteins. Frontiers in Plant Science, 2015, 6, 809.	1.7	134
861	Ca ²⁺ Signaling in Cytoskeletal Reorganization, Cell Migration, and Cancer Metastasis. BioMed Research International, 2015, 2015, 1-13.	0.9	146
862	Calcium specificity signaling mechanisms in abscisic acid signal transduction in Arabidopsis guard cells. ELife, 2015, 4, .	2.8	172
864	Vascular Calcification and Stone Disease: A New Look towards the Mechanism. Journal of Cardiovascular Development and Disease, 2015, 2, 141-164.	0.8	29
865	Resveratrol inhibits cadmium induced neuronal apoptosis by modulating calcium signalling pathway via regulation of MAPK/mTOR network. Bangladesh Journal of Pharmacology, 2015, 10, 366.	0.1	6
866	Altered intracellular calcium homeostasis and endoplasmic reticulum redox state in <i>Saccharomyces cerevisiae</i> cells lacking Grx6 glutaredoxin. Molecular Biology of the Cell, 2015, 26, 104-116.	0.9	21
867	Effect of different ions on larval metamorphosis of the mussel <i>Mytilus galloprovincialis</i> . Aquaculture Research, 2015, 46, 155-162.	0.9	6
868	The ancient roots of calcium signalling evolutionary tree. Cell Calcium, 2015, 57, 123-132.	1.1	74
869	Involvement of mitochondrial proteins in calcium signaling and cell death induced by staurosporine in <i>Neurospora crassa</i> . Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1064-1074.	0.5	14
870	Stress Responses from the Endoplasmic Reticulum in Cancer. Frontiers in Oncology, 2015, 5, 93.	1.3	78
871	Calcium signaling in membrane repair. Seminars in Cell and Developmental Biology, 2015, 45, 24-31.	2.3	69

#	ARTICLE	IF	CITATIONS
872	Naproxen-induced Ca ²⁺ movement and death in MDCK canine renal tubular cells. <i>Human and Experimental Toxicology</i> , 2015, 34, 1096-1105.	1.1	2
873	Structure of the voltage-gated calcium channel Ca _v 1.1 complex. <i>Science</i> , 2015, 350, aad2395.	6.0	270
874	iTRAQ-based analysis of progerin expression reveals mitochondrial dysfunction, reactive oxygen species accumulation and altered proteostasis. <i>Stem Cell Research and Therapy</i> , 2015, 6, 119.	2.4	28
875	A new low-Ca ²⁺ affinity GAP indicator to monitor high Ca ²⁺ in organelles by luminescence. <i>Cell Calcium</i> , 2015, 58, 558-564.	1.1	17
876	Patterning of wound-induced intercellular Ca ²⁺ -flashes in a developing epithelium. <i>Physical Biology</i> , 2015, 12, 056005.	0.8	34
877	Transglutaminases. , 2015, , .		10
878	The activating role of phospho-(Tyr)-calmodulin on the epidermal growth factor receptor. <i>Biochemical Journal</i> , 2015, 472, 195-204.	1.7	15
879	A spontaneous increase in intracellular Ca ²⁺ in metaphase II human oocytes in vitro can be prevented by drugs targeting ATP-sensitive K ⁺ channels. <i>Human Reproduction</i> , 2015, 31, dev300.	0.4	6
880	Diacylglycerol kinases in membrane trafficking. <i>Cellular Logistics</i> , 2015, 5, e1078431.	0.9	26
881	Role of Hydrogen Sulfide in Brain Synaptic Remodeling. <i>Methods in Enzymology</i> , 2015, 555, 207-229.	0.4	44
882	The proteomic response of cheliped myofibril tissue in the eurythermal porcelain crab <i>Petrolisthes cinctipes</i> to heat shock following acclimation to daily temperature fluctuations. <i>Journal of Experimental Biology</i> , 2015, 218, 388-403.	0.8	25
883	Calcium signaling in neocortical development. <i>Developmental Neurobiology</i> , 2015, 75, 360-368.	1.5	51
884	Molecular mechanism of mitochondrial calcium uptake. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 1489-1498.	2.4	28
885	Modulation of Microglial Process Convergence Toward Neuronal Dendrites by Extracellular Calcium. <i>Journal of Neuroscience</i> , 2015, 35, 2417-2422.	1.7	113
886	Evolution of voltage-gated ion channels at the emergence of Metazoa. <i>Journal of Experimental Biology</i> , 2015, 218, 515-525.	0.8	109
887	Effect of Ca ²⁺ on the Steady-State and Time-Resolved Emission Properties of the Genetically Encoded Fluorescent Sensor CatchER. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2103-2111.	1.2	18
888	Activation of InsP3 receptors is sufficient for inducing graded intrinsic plasticity in rat hippocampal pyramidal neurons. <i>Journal of Neurophysiology</i> , 2015, 113, 2002-2013.	0.9	22
889	Calcium ion as cellular messenger. <i>Science China Life Sciences</i> , 2015, 58, 1-5.	2.3	26

#	ARTICLE	IF	CITATIONS
890	p53 at the endoplasmic reticulum regulates apoptosis in a Ca ²⁺ -dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1779-1784.	3.3	247
891	Smart polymers in drug delivery systems on crossroads: Which way deserves following?. European Polymer Journal, 2015, 65, 82-97.	2.6	111
892	Multiple cellular roles of <i>Neurospora crassa</i> plc-1, splA2, and cpe-1 in regulation of cytosolic free calcium, carotenoid accumulation, stress responses, and acquisition of thermotolerance. Journal of Microbiology, 2015, 53, 226-235.	1.3	22
893	Astrocyte Calcium Signaling: From Observations to Functions and the Challenges Therein. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020404.	2.3	183
894	Transcriptome-wide identification of the genes responding to replanting disease in <i>Rehmannia glutinosa</i> L. roots. Molecular Biology Reports, 2015, 42, 881-892.	1.0	23
895	The impact of mitochondrial endosymbiosis on the evolution of calcium signaling. Cell Calcium, 2015, 57, 133-139.	1.1	42
896	Mesenchymal stromal cells for sphincter regeneration. Advanced Drug Delivery Reviews, 2015, 82-83, 123-136.	6.6	21
897	Increasing complexity and versatility: How the calcium signaling toolkit was shaped during plant land colonization. Cell Calcium, 2015, 57, 231-246.	1.1	122
898	A History of the Parathyroid Glands and their Secretory Product, Parathyroid Hormone. , 2015, , 1-20.		0
899	The calcium signaling toolkit of the Apicomplexan parasites <i>Toxoplasma gondii</i> and <i>Plasmodium</i> spp. Cell Calcium, 2015, 57, 186-193.	1.1	132
900	Agonist-Dependent Modulation of Cell Surface Expression of the Cold Receptor TRPM8. Journal of Neuroscience, 2015, 35, 571-582.	1.7	24
901	Intracellular calcium dynamics dependent on defined microtopographical features of titanium. Biomaterials, 2015, 46, 48-57.	5.7	35
902	Evolution of acidic Ca ²⁺ stores and their resident Ca ²⁺ -permeable channels. Cell Calcium, 2015, 57, 222-230.	1.1	74
903	Direct Observation of Ca ²⁺ -Induced Calmodulin Conformational Transitions in Intact <i>Xenopus laevis</i> Oocytes by ¹⁹ F-NMR Spectroscopy. Angewandte Chemie - International Edition, 2015, 54, 5328-5330.	7.2	38
904	Signaling Pathway Involved in the Immunomodulatory Effect of <i>Ganoderma atrum</i> Polysaccharide in Spleen Lymphocytes. Journal of Agricultural and Food Chemistry, 2015, 63, 2734-2740.	2.4	55
905	STIM1 and STIM2 Proteins Differently Regulate Endogenous Store-operated Channels in HEK293 Cells. Journal of Biological Chemistry, 2015, 290, 4717-4727.	1.6	27
906	Mitochondria: A target for bacteria. Biochemical Pharmacology, 2015, 94, 173-185.	2.0	74
907	Textbook of Cell Signalling in Cancer. , 2015, ,		6

#	ARTICLE	IF	CITATIONS
909	Malleable Mitochondrion of <i>Trypanosoma brucei</i> . <i>International Review of Cell and Molecular Biology</i> , 2015, 315, 73-151.	1.6	88
911	Ion Channel-Coupled Receptors. , 2015, , 179-189.		1
912	Optimization of calmodulin-affinity chromatography for brain and organelles. <i>EuPA Open Proteomics</i> , 2015, 8, 55-67.	2.5	1
913	Divalent Metal Ions Mg ²⁺ and Ca ²⁺ Have Distinct Effects on Protein Kinase A Activity and Regulation. <i>ACS Chemical Biology</i> , 2015, 10, 2303-2315.	1.6	57
914	Roles of three <i>Fusarium oxysporum</i> calcium ion (Ca ²⁺) channels in generating Ca ²⁺ signatures and controlling growth. <i>Fungal Genetics and Biology</i> , 2015, 82, 145-157.	0.9	19
915	<i>Vibrio vulnificus</i> RtxA1 modulated calcium flux contributes reduced internalization in phagocytes. <i>Life Sciences</i> , 2015, 132, 55-60.	2.0	2
916	Evolutionary and functional perspectives on signaling from neuronal surface to nucleus. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 88-99.	1.0	46
917	Metabolic Regulation of the Ultradian Oscillator Hes1 by Reactive Oxygen Species. <i>Journal of Molecular Biology</i> , 2015, 427, 1887-1902.	2.0	11
918	Transient receptor potential vanilloid 2-mediated shear stress responses in C2C12 myoblasts are regulated by serum and extracellular matrix. <i>FASEB Journal</i> , 2015, 29, 4726-4737.	0.2	28
919	Crocin protects PC12 cells against MPP ⁺ -induced injury through inhibition of mitochondrial dysfunction and ER stress. <i>Neurochemistry International</i> , 2015, 89, 101-110.	1.9	48
920	New insights into Lyme disease. <i>Redox Biology</i> , 2015, 5, 66-70.	3.9	13
921	Coupling acidic organelles with the ER through Ca ²⁺ microdomains at membrane contact sites. <i>Cell Calcium</i> , 2015, 58, 387-396.	1.1	64
922	Calcium Homeostasis and Organelle Function in the Pathogenesis of Obesity and Diabetes. <i>Cell Metabolism</i> , 2015, 22, 381-397.	7.2	245
923	Amphiphilic Residues 29-44 of DREAM N-Termini Mediate Calmodulin:DREAM Complex Formation. <i>Biochemistry</i> , 2015, 54, 4391-4403.	1.2	8
924	Tracing the Evolutionary History of Inositol, 1, 4, 5-Trisphosphate Receptor: Insights from Analyses of <i>Capsaspora owczarzaki</i> Ca ²⁺ Release Channel Orthologs. <i>Molecular Biology and Evolution</i> , 2015, 32, 2236-2253.	3.5	44
925	Molecular mechanism underlying chemoprotective effects of <i>Ganoderma atrum</i> polysaccharide in cyclophosphamide-induced immunosuppressed mice. <i>Journal of Functional Foods</i> , 2015, 15, 52-60.	1.6	54
926	Cytotoxic Plakortides from the Brazilian Marine Sponge <i>Plakortis angulospiculatus</i> . <i>Journal of Natural Products</i> , 2015, 78, 996-1004.	1.5	22
927	All-optical regulation of gene expression in targeted cells. <i>Scientific Reports</i> , 2014, 4, 5346.	1.6	13

#	ARTICLE	IF	CITATIONS
928	Is hydrogen ion (H ⁺) the real second messenger in calcium signalling?. <i>Cellular Signalling</i> , 2015, 27, 1392-1397.	1.7	5
929	Insights into the early evolution of animal calcium signaling machinery: A unicellular point of view. <i>Cell Calcium</i> , 2015, 57, 166-173.	1.1	54
930	Leucine-rich repeat kinase 2-sensitive Na ⁺ /Ca ²⁺ exchanger activity in dendritic cells. <i>FASEB Journal</i> , 2015, 29, 1701-1710.	0.2	16
931	Exploitation of Host Signal Transduction Pathways Induced by <i>Streptococcus pneumoniae</i> . , 2015, , 347-362.		0
932	Association of common variants in the calcium-sensing receptor gene with serum calcium levels in East Asians. <i>Journal of Human Genetics</i> , 2015, 60, 407-412.	1.1	11
933	Celebrating Soft Matter's 10th anniversary: screening of the calcium-induced spontaneous curvature of lipid membranes. <i>Soft Matter</i> , 2015, 11, 5030-5036.	1.2	31
934	β -Lactam antibiotic-degrading enzymes from non-pathogenic marine organisms: a potential threat to human health. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 639-651.	1.1	17
935	Organelle channels and transporters. <i>Cell Calcium</i> , 2015, 58, 1-10.	1.1	83
936	Interactions between Hofmeister Anions and the Binding Pocket of a Protein. <i>Journal of the American Chemical Society</i> , 2015, 137, 3859-3866.	6.6	89
937	Blockage of LMP1-modulated store-operated Ca ²⁺ entry reduces metastatic potential in nasopharyngeal carcinoma cell. <i>Cancer Letters</i> , 2015, 360, 234-244.	3.2	26
938	TRPC1 regulates fMLP-stimulated migration and chemotaxis of neutrophil granulocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2122-2130.	1.9	30
939	Ion Channels in Innate and Adaptive Immunity. <i>Annual Review of Immunology</i> , 2015, 33, 291-353.	9.5	541
940	Zinc and calcium modulate mitochondrial redox state and morphofunctional integrity. <i>Free Radical Biology and Medicine</i> , 2015, 84, 142-153.	1.3	18
941	Ca ²⁺ -independent sortase-A exhibits high selective protein ligation activity in the cytoplasm of <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2015, 10, 1487-1492.	1.8	67
942	STIM and Orai proteins as novel targets for cancer therapy. A Review in the Theme: Cell and Molecular Processes in Cancer Metastasis. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C457-C469.	2.1	102
943	Cardiomyogenesis of embryonic stem cells upon purinergic receptor activation by ADP and ATP. <i>Purinergic Signalling</i> , 2015, 11, 491-506.	1.1	8
944	Calcium ions open a selectivity filter gate during activation of the MthK potassium channel. <i>Nature Communications</i> , 2015, 6, 8342.	5.8	35
945	Charged Solvatochromic Dyes as Signal Transducers in pH Independent Fluorescent and Colorimetric Ion Selective Nanosensors. <i>Analytical Chemistry</i> , 2015, 87, 9954-9959.	3.2	62

#	ARTICLE	IF	CITATIONS
946	Store-Operated Calcium Channels. <i>Physiological Reviews</i> , 2015, 95, 1383-1436.	13.1	922
947	Ca ²⁺ Influx through Store-operated Calcium Channels Replenishes the Functional Phosphatidylinositol 4,5-Bisphosphate Pool Used by Cysteinyl Leukotriene Type I Receptors. <i>Journal of Biological Chemistry</i> , 2015, 290, 29555-29566.	1.6	13
948	Calcium Signaling throughout the <i>Toxoplasma gondii</i> Lytic Cycle. <i>Journal of Biological Chemistry</i> , 2015, 290, 26914-26926.	1.6	63
949	T-type calcium channel antagonists, mibefradil and NNC-55-0396 inhibit cell proliferation and induce cell apoptosis in leukemia cell lines. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 54.	3.5	44
950	What is the impact of Silicon Carbide nanoparticles to the mineral composition of rat lungs? A PIXE- $\frac{1}{4}$ PIXE comparative study. <i>Journal of Physics: Conference Series</i> , 2015, 617, 012016.	0.3	0
951	Two-Phase Greedy Pursuit Algorithm for Automatic Detection and Characterization of Transient Calcium Signaling. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 687-697.	3.9	7
952	Differential dependencies on [Ca ²⁺] and temperature of the monolayer spontaneous curvatures of DOPE, DOPA and cardiolipin: effects of modulating the strength of the inter-headgroup repulsion. <i>Soft Matter</i> , 2015, 11, 4041-4053.	1.2	36
953	TRPM7 and its role in neurodegenerative diseases. <i>Channels</i> , 2015, 9, 253-261.	1.5	57
954	Disseminating melanoma cells surf on calcium waves. <i>Molecular and Cellular Oncology</i> , 2015, 2, e1002714.	0.3	7
955	A calaxin Gene in the Pacific Oyster <i>Crassostrea gigas</i> and Its Potential Roles in Cilia. <i>Zoological Science</i> , 2015, 32, 419.	0.3	3
956	Presynaptic BK channel localization is dependent on the hierarchical organization of alpha-catulin and dystrobrevin and fine-tuned by CaV2 calcium channels. <i>BMC Neuroscience</i> , 2015, 16, 26.	0.8	17
957	Atomic view of the histidine environment stabilizing higher-pH conformations of pH-dependent proteins. <i>Nature Communications</i> , 2015, 6, 7771.	5.8	36
958	Mechanobiological oscillators control lymph flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10938-10943.	3.3	73
959	Crystallographic analysis of the <i>Arabidopsis thaliana</i> BAG5-calmodulin protein complex. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 870-875.	0.4	3
960	Endothelial progenitor cells support tumour growth and metastatisation: implications for the resistance to anti-angiogenic therapy. <i>Tumor Biology</i> , 2015, 36, 6603-6614.	0.8	66
961	Hexanal-induced changes in miRNA-mRNA interactions in A549 human alveolar epithelial cells. <i>Toxicology and Environmental Health Sciences</i> , 2015, 7, 143-159.	1.1	5
962	Signal integration by Ca ²⁺ regulates intestinal stem-cell activity. <i>Nature</i> , 2015, 528, 212-217.	13.7	132
963	Fluorescent biosensors illuminate calcium levels within defined beta-cell endosome subpopulations. <i>Cell Calcium</i> , 2015, 57, 263-274.	1.1	50

#	ARTICLE	IF	CITATIONS
964	Connexin43-containing gap junctions potentiate extracellular Ca ²⁺ -induced odontoblastic differentiation of human dental pulp stem cells via Erk1/2. <i>Experimental Cell Research</i> , 2015, 338, 1-9.	1.2	22
965	Carboxyl-functionalized polyurethane nanoparticles with immunosuppressive properties as a new type of anti-inflammatory platform. <i>Nanoscale</i> , 2015, 7, 20352-20364.	2.8	22
966	Identification of ferredoxin II as a major calcium binding protein in the nitrogen-fixing symbiotic bacterium <i>Mesorhizobium loti</i> . <i>BMC Microbiology</i> , 2015, 15, 16.	1.3	8
968	A membrane permeable fluorescent Ca ²⁺ probe based on bis-BODIPY with branched PEG. <i>Journal of Materials Chemistry B</i> , 2015, 3, 894-898.	2.9	19
969	Enemy attraction: bacterial agonists for leukocyte chemotaxis receptors. <i>Nature Reviews Microbiology</i> , 2015, 13, 95-104.	13.6	61
970	Calcium binding proteins and calcium signaling in prokaryotes. <i>Cell Calcium</i> , 2015, 57, 151-165.	1.1	185
971	United in Diversity: Mechanosensitive Ion Channels in Plants. <i>Annual Review of Plant Biology</i> , 2015, 66, 113-137.	8.6	173
972	A secretagogin locus of the mammalian hypothalamus controls stress hormone release. <i>EMBO Journal</i> , 2015, 34, 36-54.	3.5	75
973	Structural insights into endoplasmic reticulum stored calcium regulation by inositol 1,4,5-trisphosphate and ryanodine receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1980-1991.	1.9	57
974	Sequential Synthesis of Coordination Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1139-1143.	7.2	13
975	Reactive Oxygen and Nitrogen Species Signaling and Communication in Plants. <i>Signaling and Communication in Plants</i> , 2015, , .	0.5	22
976	Nitric oxide enhances extracellular ATP induced Ca ²⁺ oscillation in HeLa cells. <i>Archives of Biochemistry and Biophysics</i> , 2015, 565, 68-75.	1.4	3
977	Flagellar ion channels of sperm: similarities and differences between species. <i>Cell Calcium</i> , 2015, 58, 105-113.	1.1	93
979	Role of calcium channels in cellular antituberculosis effects: Potential of voltage-gated calcium-channel blockers in tuberculosis therapy. <i>Journal of Microbiology, Immunology and Infection</i> , 2015, 48, 471-476.	1.5	15
980	Molecular Activation of the NLRP3 Inflammasome in Fibrosis: Common Threads Linking Divergent Fibrogenic Diseases. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1162-1175.	2.5	53
981	Ions channels/transporters and chloroplast regulation. <i>Cell Calcium</i> , 2015, 58, 86-97.	1.1	111
982	May the remodeling of the Ca ²⁺ toolkit in endothelial progenitor cells derived from cancer patients suggest alternative targets for anti-angiogenic treatment?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1958-1973.	1.9	38
983	Effect of mitochondrial calcium uniporter blocking on human spermatozoa. <i>Andrologia</i> , 2015, 47, 662-668.	1.0	14

#	ARTICLE	IF	CITATIONS
984	Altered calcium signaling in cancer cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2502-2511.	1.4	256
985	The Cav1.2 β terminus contains a CaM kinase site that modulates channel trafficking and function. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 677-686.	1.3	14
986	Glutamate Excitotoxicity and Oxidative Stress in Epilepsy: Modulatory Role of Melatonin. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2016, 35, 365-374.	0.6	71
987	Core level regulatory network of osteoblast as molecular mechanism for osteoporosis and treatment. <i>Oncotarget</i> , 2016, 7, 3692-3701.	0.8	16
988	Fine structural detection of calcium ions by photoconversion. <i>European Journal of Histochemistry</i> , 2016, 60, 2695.	0.6	7
989	Identification of disturbed pathways in heart failure based on Gibbs sampling and pathway enrichment analysis. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	6
990	Polyamines as Snake Toxins and Their Probable Pharmacological Functions in Envenomation. <i>Toxins</i> , 2016, 8, 279.	1.5	8
992	DIGOXINA E VERAPAMIL INDUZEM HIPERTROFIA EM CARDIOMIÓCITOS DE RATOS SEDENTÁRIOS E/OU TREINADOS. <i>Revista Brasileira De Medicina Do Esporte</i> , 2016, 22, 398-402.	0.1	2
993	Hydrogen Sulfide Regulates the [Ca ²⁺] _i Level in the Primary Medullary Neurons. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	1.9	8
994	Differential Gene Expression during Larval Metamorphic Development in the Pearl Oyster, <i>Pinctada fucata</i> , Based on Transcriptome Analysis. <i>International Journal of Genomics</i> , 2016, 2016, 1-15.	0.8	9
995	Inhibition of Extracellular Calcium Influx Results in Enhanced IL-12 Production in LPS-Treated Murine Macrophages by Downregulation of the CaMKK β . http://www.w3.org/1998/Math/MathML \hat{I}^2 -AMPK-SIRT1 Signaling Pathway. <i>Mediators of Inflammation</i> , 2016, 2016, 1-15.	1.4	27
996	Principles of Hormone Action. , 2016, , 18-48.		4
997	Regulation of Store-Operated Ca ²⁺ Entry by Septins. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 142.	1.8	20
998	The Role of the Membrane-Initiated Heat Shock Response in Cancer. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 12.	1.6	18
999	AMPA Receptors Are Involved in Store-Operated Calcium Entry and Interact with STIM Proteins in Rat Primary Cortical Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 251.	1.8	32
1000	Organelle-Specific Sensors for Monitoring Ca ²⁺ Dynamics in Neurons. <i>Frontiers in Synaptic Neuroscience</i> , 2016, 8, 29.	1.3	16
1001	ER Stress-Mediated Signaling: Action Potential and Ca ²⁺ as Key Players. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1558.	1.8	170
1002	Effects of NH ₄ Cl application and removal on astrocytes and endothelial cells. <i>Cellular and Molecular Biology Letters</i> , 2016, 21, 13.	2.7	2

#	ARTICLE	IF	CITATIONS
1003	Lysosomal Calcium in Neurodegeneration. Messenger (Los Angeles, Calif: Print), 2016, 5, 56-66.	0.3	21
1004	Calcium Imaging of AM Dyes Following Prolonged Incubation in Acute Neuronal Tissue. PLoS ONE, 2016, 11, e0155468.	1.1	38
1005	Long-Lasting Sparks: Multi-Metastability and Release Competition in the Calcium Release Unit Network. PLoS Computational Biology, 2016, 12, e1004671.	1.5	25
1006	Cellular Interrogation: Exploiting Cell-to-Cell Variability to Discriminate Regulatory Mechanisms in Oscillatory Signalling. PLoS Computational Biology, 2016, 12, e1004995.	1.5	5
1007	The Arabidopsis Receptor Kinase ZAR1 Is Required for Zygote Asymmetric Division and Its Daughter Cell Fate. PLoS Genetics, 2016, 12, e1005933.	1.5	72
1008	Palmitoylation of the Cysteine Residue in the DHHC Motif of a Palmitoyl Transferase Mediates Ca ²⁺ Homeostasis in Aspergillus. PLoS Genetics, 2016, 12, e1005977.	1.5	43
1009	The Swine Plasma Metabolome Chronicles "Many Days" Biological Timing and Functions Linked to Growth. PLoS ONE, 2016, 11, e0145919.	1.1	28
1010	Calcium Binding and Disulfide Bonds Regulate the Stability of Secretagogen towards Thermal and Urea Denaturation. PLoS ONE, 2016, 11, e0165709.	1.1	11
1011	Catalpol Protects Pre-Myelinating Oligodendrocytes against Ischemia-induced Oxidative Injury through ERK1/2 Signaling Pathway. International Journal of Biological Sciences, 2016, 12, 1415-1426.	2.6	24
1012	Vomeronal Transduction and Cell Signaling. , 2016, , 191-206.		3
1013	Physiology and Evolution of Voltage-Gated Calcium Channels in Early Diverging Animal Phyla: Cnidaria, Placozoa, Porifera and Ctenophora. Frontiers in Physiology, 2016, 7, 481.	1.3	51
1014	Systematic Characterization of Dynamic Parameters of Intracellular Calcium Signals. Frontiers in Physiology, 2016, 7, 525.	1.3	16
1015	Characterization and Functional Analysis of Calmodulin and Calmodulin-Like Genes in <i>Fragaria vesca</i> . Frontiers in Plant Science, 2016, 7, 1820.	1.7	28
1016	Store-operated Ca ²⁺ entry in rhabdomyosarcoma cells. Biochemical and Biophysical Research Communications, 2016, 477, 129-136.	1.0	14
1017	Integration of calcium and ABA signaling. Current Opinion in Plant Biology, 2016, 33, 83-91.	3.5	132
1018	Phagocytosis Enhances Lysosomal and Bactericidal Properties by Activating the Transcription Factor TFEB. Current Biology, 2016, 26, 1955-1964.	1.8	97
1019	Plasmonic activation of gold nanorods for remote stimulation of calcium signaling and protein expression in HEK 293T cells. Biotechnology and Bioengineering, 2016, 113, 2228-2240.	1.7	14
1020	Poly(3,4-ethylenedioxythiophene):GlycosAminoGlycan Aqueous Dispersions: Toward Electrically Conductive Bioactive Materials for Neural Interfaces. Macromolecular Bioscience, 2016, 16, 1227-1238.	2.1	60

#	ARTICLE	IF	CITATIONS
1021	Hippocalcin-like 1 suppresses hepatocellular carcinoma progression by promoting p21Waf/Cip1 stabilization by activating the ERK1/2-MAPK pathway. <i>Hepatology</i> , 2016, 63, 880-897.	3.6	44
1022	Regulation of BMP2-induced intracellular calcium increases in osteoblasts. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1725-1733.	1.2	14
1023	Constant change: dynamic regulation of membrane transport by calcium signalling networks keeps plants in tune with their environment. <i>Plant, Cell and Environment</i> , 2016, 39, 467-481.	2.8	16
1024	Fluoride induced endoplasmic reticulum stress and calcium overload in ameloblasts. <i>Archives of Oral Biology</i> , 2016, 69, 95-101.	0.8	30
1025	Mitochondrial dysfunction in bipolar disorder: Evidence, pathophysiology and translational implications. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 694-713.	2.9	121
1026	Inseparable tandem: evolution chooses ATP and Ca ²⁺ to control life, death and cellular signalling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150419.	1.8	48
1027	Improved model of hydrated calcium ion for molecular dynamics simulations using classical biomolecular force fields. <i>Biopolymers</i> , 2016, 105, 752-763.	1.2	40
1028	Cadmium inhibits motility, activities of plasma membrane Ca ²⁺ -ATPase and axonemal dynein-ATPase of human spermatozoa. <i>Andrologia</i> , 2016, 48, 464-469.	1.0	24
1029	Protein Partners of α -Synuclein in Health and Disease. <i>Brain Pathology</i> , 2016, 26, 389-397.	2.1	40
1030	<i>N</i> -Glycan-based ER Molecular Chaperone and Protein Quality Control System: The Calnexin Binding Cycle. <i>Traffic</i> , 2016, 17, 308-326.	1.3	136
1031	Regulation of the T-type Ca ²⁺ channel Cav3.2 by hydrogen sulfide: emerging controversies concerning the role of H ₂ S in nociception. <i>Journal of Physiology</i> , 2016, 594, 4119-4129.	1.3	18
1032	The role of Orai ¹ STIM calcium channels in melanocytes and melanoma. <i>Journal of Physiology</i> , 2016, 594, 2825-2835.	1.3	29
1033	Ion Channels in Endothelial Responses to Fluid Shear Stress. <i>Physiology</i> , 2016, 31, 359-369.	1.6	59
1034	Epigallocatechin-3-Gallate Attenuates the Effects of TNF- α in Vascular Endothelial Cells by Causing Ectodomain Shedding of TNF Receptor 1. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 1963-1974.	1.1	17
1036	The Zebrafish Equivalent of Alzheimer's Disease-Associated PRESENILIN Isoform PS2V Regulates Inflammatory and Other Responses to Hypoxic Stress. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 581-608.	1.2	25
1037	<i>Staphylococcus aureus</i> α -toxin-mediated cation entry depolarizes membrane potential and activates p38 MAP kinase in airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L676-L685.	1.3	25
1038	<i>Drosophila</i> wing imaginal discs respond to mechanical injury via slow InsP3R-mediated intercellular calcium waves. <i>Nature Communications</i> , 2016, 7, 12450.	5.8	42
1039	Multimodal two-photon imaging using a second harmonic generation-specific dye. <i>Nature Communications</i> , 2016, 7, 11557.	5.8	71

#	ARTICLE	IF	CITATIONS
1040	Conductance of Channels of IP3 Receptors of the Nuclear Envelope in Purkinje Neurons. <i>Neurophysiology</i> , 2016, 48, 93-96.	0.2	0
1041	Conformational heterogeneity of the calmodulin binding interface. <i>Nature Communications</i> , 2016, 7, 10910.	5.8	49
1042	Ca ²⁺ monitoring in <i>Plasmodium falciparum</i> using the yellow cameleon-Nano biosensor. <i>Scientific Reports</i> , 2016, 6, 23454.	1.6	19
1043	A calcium sensor " protein kinase signaling module diversified in plants and is retained in all lineages of Bikonta species. <i>Scientific Reports</i> , 2016, 6, 31645.	1.6	34
1044	Cbl ubiquitin ligases mediate the inhibition of natural killer cell activity. <i>Communicative and Integrative Biology</i> , 2016, 9, e1216739.	0.6	12
1045	Widespread control of calcium signaling by a family of SERCA-inhibiting micropeptides. <i>Science Signaling</i> , 2016, 9, ra119.	1.6	168
1046	Endo-lysosomal TRP mucolipin-1 triggers global ER Ca ²⁺ release and Ca ²⁺ influx. <i>Journal of Cell Science</i> , 2016, 129, 3859-3867.	1.2	57
1047	Ca ²⁺ controls gating of voltage-gated calcium channels by releasing the β_2e subunit from the plasma membrane. <i>Science Signaling</i> , 2016, 9, ra67.	1.6	8
1048	Ca ²⁺ removal by the plasma membrane Ca ²⁺ -ATPase influences the contribution of mitochondria to activity-dependent Ca ²⁺ dynamics in <i>Aplysia</i> neuroendocrine cells. <i>Journal of Neurophysiology</i> , 2016, 115, 2615-2634.	0.9	7
1049	TLR3-/4-Priming Differentially Promotes Ca ²⁺ Signaling and Cytokine Expression and Ca ²⁺ -Dependently Augments Cytokine Release in hMSCs. <i>Scientific Reports</i> , 2016, 6, 23103.	1.6	16
1050	Bacterial Vesicle Secretion and the Evolutionary Origin of the Eukaryotic Endomembrane System. <i>Trends in Microbiology</i> , 2016, 24, 525-534.	3.5	133
1051	Varying butyric acid amounts induce different stress- and cell death-related signals in nerve growth factor-treated PC12 cells: implications in neuropathic pain absence during periodontal disease progression. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 699-707.	2.2	3
1052	Osmoregulatory inositol transporter SMIT1 modulates electrical activity by adjusting PI(4,5)P ₂ levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3290-9.	3.3	56
1053	Calcium-Oxidant Signaling Network Regulates AMP-activated Protein Kinase (AMPK) Activation upon Matrix Deprivation. <i>Journal of Biological Chemistry</i> , 2016, 291, 14410-14429.	1.6	62
1054	ALG-2 divalent-ion affinity: Calorimetric analysis of the des23 versions reveals high-affinity site for Mg ²⁺ . <i>Biophysical Chemistry</i> , 2016, 209, 28-40.	1.5	4
1055	Sleep Drive Is Encoded by Neural Plastic Changes in a Dedicated Circuit. <i>Cell</i> , 2016, 165, 1347-1360.	13.5	296
1056	Mechanism of extracellular ion exchange and binding-site occlusion in a sodium/calcium exchanger. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 590-599.	3.6	75
1057	SP6616 as a new Kv2.1 channel inhibitor efficiently promotes β_2 -cell survival involving both PKC/Erk1/2 and CaM/PI3K/Akt signaling pathways. <i>Cell Death and Disease</i> , 2016, 7, e2216-e2216.	2.7	27

#	ARTICLE	IF	CITATIONS
1058	TMCO1 Is an ER Ca ²⁺ Load-Activated Ca ²⁺ Channel. <i>Cell</i> , 2016, 165, 1454-1466.	13.5	112
1059	Low-Voltage-Activated Ca ^v 3.1 Calcium Channels Shape T Helper Cell Cytokine Profiles. <i>Immunity</i> , 2016, 44, 782-794.	6.6	35
1060	Antitumoral activity of novel 1,4-naphthoquinone derivative involves L-type calcium channel activation in human colorectal cancer cell line. <i>Journal of Applied Biomedicine</i> , 2016, 14, 229-234.	0.6	20
1061	Synthesis of radioiodinated probes to evaluate the biodistribution of a potent TRPC3 inhibitor. <i>MedChemComm</i> , 2016, 7, 1003-1006.	3.5	9
1062	Protein-specific localization of a rhodamine-based calcium-sensor in living cells. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5606-5611.	1.5	21
1063	Cell Permeable Ratiometric Fluorescent Sensors for Imaging Phosphoinositides. <i>ACS Chemical Biology</i> , 2016, 11, 1834-1843.	1.6	13
1064	Elemental analysis of tissue pellets for the differentiation of epidermal lesion and normal skin by laser-induced breakdown spectroscopy. <i>Biomedical Optics Express</i> , 2016, 7, 1626.	1.5	6
1065	LGR4 is a receptor for RANKL and negatively regulates osteoclast differentiation and bone resorption. <i>Nature Medicine</i> , 2016, 22, 539-546.	15.2	278
1066	The Complement System Component C5a Produces Thermal Hyperalgesia via Macrophage-to-Nociceptor Signaling That Requires NGF and TRPV1. <i>Journal of Neuroscience</i> , 2016, 36, 5055-5070.	1.7	64
1067	The role of ER stress in lipid metabolism and lipotoxicity. <i>Journal of Lipid Research</i> , 2016, 57, 1329-1338.	2.0	427
1068	Store-operated CRAC channel inhibitors: opportunities and challenges. <i>Future Medicinal Chemistry</i> , 2016, 8, 817-832.	1.1	82
1069	Calcium efflux from the endoplasmic reticulum regulates cisplatin-induced apoptosis in human cervical cancer HeLa cells. <i>Oncology Letters</i> , 2016, 11, 2411-2419.	0.8	34
1070	Tracking and localization of calmodulin in live cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2017-2026.	1.9	10
1071	Imaging calcium and redox signals using genetically encoded fluorescent indicators. <i>Cell Calcium</i> , 2016, 60, 55-64.	1.1	27
1072	A Microfluidic Platform for Real-Time Detection and Quantification of Protein-Ligand Interactions. <i>Biophysical Journal</i> , 2016, 110, 1957-1966.	0.2	29
1073	Modulation of Calcium Entry by the Endo-lysosomal System. <i>Advances in Experimental Medicine and Biology</i> , 2016, 898, 423-447.	0.8	12
1074	Emerging roles of the single EF-hand Ca ²⁺ sensor tescalcin in the regulation of gene expression, cell growth and differentiation. <i>Journal of Cell Science</i> , 2016, 129, 3533-3540.	1.2	21
1075	Effect of LED photobiomodulation on fluorescent light induced changes in cellular ATPases and Cytochrome c oxidase activity in Wistar rat. <i>Lasers in Medical Science</i> , 2016, 31, 1803-1809.	1.0	14

#	ARTICLE	IF	CITATIONS
1076	The Dark Matter of Biology. <i>Biophysical Journal</i> , 2016, 111, 909-916.	0.2	46
1077	Abnormal d-Serine Metabolism in Amyotrophic Lateral Sclerosis. , 2016, , 137-149.		2
1078	Neurons show the path: tip-to-nucleus communication in filamentous fungal development and pathogenesis. <i>FEMS Microbiology Reviews</i> , 2016, 40, 610-624.	3.9	25
1079	Mitochondria-Targeted Hydroxyapatite Nanoparticles for Selective Growth Inhibition of Lung Cancer in Vitro and in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25680-25690.	4.0	94
1080	Enzyme-linked immunosorbent assay for S100A9 in the stool of rats with dextran sulfate sodium-induced colitis. <i>Journal of Immunological Methods</i> , 2016, 439, 44-49.	0.6	8
1081	Pore architecture of TRIC channels and insights into their gating mechanism. <i>Nature</i> , 2016, 538, 537-541.	13.7	41
1082	Purinergic Signaling in Corneal Wound Healing: A Tale of 2 Receptors. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 498-503.	0.6	15
1083	The metal face of protein tyrosine phosphatase 1B. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 70-83.	9.5	73
1084	Spontaneous Ca ²⁺ transients in mouse microglia. <i>Cell Calcium</i> , 2016, 60, 396-406.	1.1	27
1085	Regulation of the CUL3-Ubiquitin Ligase by a Calcium-Dependent Co-adaptor. <i>Cell</i> , 2016, 167, 525-538.e14.	13.5	110
1086	Mechanisms underlying effect of the mycotoxin cytochalasin B on induction of cytotoxicity, modulation of cell cycle, Ca ²⁺ homeostasis and ROS production in human breast cells. <i>Toxicology</i> , 2016, 370, 1-19.	2.0	20
1087	Investigational calcium channel blockers for the treatment of hypertension. <i>Expert Opinion on Investigational Drugs</i> , 2016, 25, 1295-1309.	1.9	15
1088	Glutathione depletion activates the yeast vacuolar transient receptor potential channel, Yvc1p, by reversible glutathionylation of specific cysteines. <i>Molecular Biology of the Cell</i> , 2016, 27, 3913-3925.	0.9	23
1089	Metalloneurochemistry and the Pierian Spring: "Shallow Draughts Intoxicate the Brain"™. <i>Israel Journal of Chemistry</i> , 2016, 56, 791-802.	1.0	7
1090	Second Messengers. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a005926.	2.3	138
1091	A nonsense mutation of Stim1 identified in stroke-prone spontaneously hypertensive rats decreased the store-operated calcium entry in astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 406-411.	1.0	14
1092	Calcium Phosphates and Angiogenesis: Implications and Advances for Bone Regeneration. <i>Trends in Biotechnology</i> , 2016, 34, 983-992.	4.9	115
1093	Distinct purinergic signaling pathways in prepubescent mouse spermatogonia. <i>Journal of General Physiology</i> , 2016, 148, 253-271.	0.9	14

#	ARTICLE	IF	CITATIONS
1094	Development of practical red fluorescent probe for cytoplasmic calcium ions with greatly improved cell-membrane permeability. <i>Cell Calcium</i> , 2016, 60, 256-265.	1.1	24
1095	Structure of the voltage-gated calcium channel Cav1.1 at 3.6Å resolution. <i>Nature</i> , 2016, 537, 191-196.	13.7	398
1096	Following Optogenetic Dimerizers and Quantitative Prospects. <i>Biophysical Journal</i> , 2016, 111, 1132-1140.	0.2	26
1097	Luminal Ca ²⁺ dynamics during IP3R mediated signals. <i>Physical Biology</i> , 2016, 13, 036006.	0.8	7
1098	Monomeric adiponectin modulates nitric oxide release and calcium movements in porcine aortic endothelial cells in normal/high glucose conditions. <i>Life Sciences</i> , 2016, 161, 1-9.	2.0	12
1099	D-Amino Acids. , 2016, , .		8
1100	Electromagnetic Fields and Stem Cell Fate: When Physics Meets Biology. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2016, 171, 63-97.	0.9	17
1101	Bothriurus bonariensis scorpion venom activates voltage-dependent sodium channels in insect and mammalian nervous systems. <i>Chemico-Biological Interactions</i> , 2016, 258, 1-9.	1.7	5
1102	Calcium role in human carcinogenesis: a comprehensive analysis and critical review of literature. <i>Cancer and Metastasis Reviews</i> , 2016, 35, 391-411.	2.7	36
1103	Synergistic effects of ion transporter and MAP kinase pathway inhibitors in melanoma. <i>Nature Communications</i> , 2016, 7, 12336.	5.8	43
1104	Identification of ER-000444793, a Cyclophilin D-independent inhibitor of mitochondrial permeability transition, using a high-throughput screen in cryopreserved mitochondria. <i>Scientific Reports</i> , 2016, 6, 37798.	1.6	19
1105	C2-domain mediated nano-cluster formation increases calcium signaling efficiency. <i>Scientific Reports</i> , 2016, 6, 36028.	1.6	15
1106	The steroid hormone 20-hydroxyecdysone promotes switching from autophagy to apoptosis by increasing intracellular calcium levels. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 79, 73-86.	1.2	43
1107	Cancer cells become less deformable and more invasive with activation of β ₂ -adrenergic signaling. <i>Journal of Cell Science</i> , 2016, 129, 4563-4575.	1.2	63
1108	The Sur1-Trpm4 channel regulates NOS2 transcription in TLR4-activated microglia. <i>Journal of Neuroinflammation</i> , 2016, 13, 130.	3.1	75
1109	The Ca ²⁺ /Calmodulin/CaMKK2 Axis: Nature's Metabolic CaMshaft. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 706-718.	3.1	165
1111	Focal calcium monitoring with targeted nanosensors at the cytosolic side of endoplasmic reticulum. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 293-299.	2.8	2
1112	Store-operated Ca ²⁺ channels in airway epithelial cell function and implications for asthma. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150424.	1.8	11

#	ARTICLE	IF	CITATIONS
1113	Nuclear calcium is required for human T cell activation. <i>Journal of Cell Biology</i> , 2016, 215, 231-243.	2.3	26
1114	Reversible pH-independent optical potassium sensor with lipophilic solvatochromic dye transducer on surface modified microporous nylon. <i>Chemical Communications</i> , 2016, 52, 14254-14257.	2.2	25
1115	Dephosphorylation of the adaptor LAT and phospholipase Ca^{2+} by SHP-1 inhibits natural killer cell cytotoxicity. <i>Science Signaling</i> , 2016, 9, ra54.	1.6	59
1116	Gene expression profiles and neural activities of Kenyon cell subtypes in the honeybee brain: identification of novel \hat{e} -middle-type \hat{e} ™ Kenyon cells. <i>Zoological Letters</i> , 2016, 2, 14.	0.7	20
1117	Roles of calcium and Mitochondria-Associated Membranes in the development of obesity and diabetes. <i>Medicina Universitaria</i> , 2016, 18, 23-33.	0.1	6
1119	Near-Infrared Photoacoustic Imaging Probe Responsive to Calcium. <i>Analytical Chemistry</i> , 2016, 88, 10785-10789.	3.2	57
1120	EF5 Is the High-Affinity Mg^{2+} Site in ALG-2. <i>Biochemistry</i> , 2016, 55, 5128-5141.	1.2	2
1121	RNA sequencing analysis of human podocytes reveals glucocorticoid regulated gene networks targeting non-immune pathways. <i>Scientific Reports</i> , 2016, 6, 35671.	1.6	25
1122	Product fermented by <i>Lactobacilli</i> induces changes in intracellular calcium dynamics in rat brain neurons. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 37-45.	0.3	4
1123	The impact of species and cell type on the nanosafety profile of iron oxide nanoparticles in neural cells. <i>Journal of Nanobiotechnology</i> , 2016, 14, 69.	4.2	41
1124	Leucine zipper-EF-hand containing transmembrane protein 1 (LETM1) forms a Ca^{2+}/H^{+} antiporter. <i>Scientific Reports</i> , 2016, 6, 34174.	1.6	58
1125	Calcium influx through TRP channels induced by short-lived reactive species in plasma-irradiated solution. <i>Scientific Reports</i> , 2016, 6, 25728.	1.6	38
1126	Down-Regulation of Store-Operated Ca^{2+} Entry and Na^{+} Ca^{2+} Exchange in MCF-7 Breast Cancer Cells by Pharmacological JAK3 Inhibition. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 1643-1651.	1.1	11
1127	Effects of Leptin on Na^{+}/Ca^{2+} Exchanger in PC12 Cells. <i>Cellular Physiology and Biochemistry</i> , 2016, 40, 1529-1537.	1.1	7
1128	Decrease of Store-Operated Ca^{2+} Entry and Increase of Na^{+}/Ca^{2+} Exchange by Pharmacological JAK2 Inhibition. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 683-695.	1.1	11
1129	Article Commentary: Nematode Sodium Calcium Exchangers: A Surprising Lack of Transport. <i>Bioinformatics and Biology Insights</i> , 2016, 10, BBI.S37130.	1.0	6
1130	Mechanical regulation of calcium signaling of HL-60 on P-selectin under flow. <i>BioMedical Engineering OnLine</i> , 2016, 15, 153.	1.3	4
1131	Advances in intracellular Ca^{2+} signalling. <i>Journal of Physiology</i> , 2016, 594, 2811-2812.	1.3	1

#	ARTICLE	IF	CITATIONS
1132	Mitochondrial Dysfunction in Neurodegenerative Disorders. , 2016, , .		3
1133	A conditional Orco requirement in the somatic cyst cells for maintaining spermatids in a tight bundle in <i>Drosophila</i> testis. <i>Journal of Biosciences</i> , 2016, 41, 219-227.	0.5	5
1134	Heavy lessons in protein allostery. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 511-512.	3.6	7
1135	Atrial remodelling in atrial fibrillation: CaMKII as a nodal proarrhythmic signal. <i>Cardiovascular Research</i> , 2016, 109, 542-557.	1.8	61
1136	Therapeutic Modulation of Calcium Dynamics Using Ultrasound and Other Energy-Based Techniques. <i>IEEE Reviews in Biomedical Engineering</i> , 2016, 9, 177-191.	13.1	37
1137	Quantification of 10 elements in human cerebrospinal fluid from chronic pain patients with and without spinal cord stimulation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 37, 1-7.	1.5	21
1138	The principle of conformational signaling. <i>Chemical Society Reviews</i> , 2016, 45, 4252-4284.	18.7	46
1139	Calcium-permeable ion channels in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F1157-F1167.	1.3	25
1140	Steroid hormone 20-hydroxyecdysone promotes higher calcium mobilization to induce apoptosis. <i>Cell Calcium</i> , 2016, 60, 1-12.	1.1	26
1141	Correlation of particle properties with cytotoxicity and cellular uptake of hydroxyapatite nanoparticles in human gastric cancer cells. <i>Materials Science and Engineering C</i> , 2016, 67, 453-460.	3.8	45
1142	Optogenetic Control of Calcium Oscillation Waveform Defines NFAT as an Integrator of Calcium Load. <i>Cell Systems</i> , 2016, 2, 283-288.	2.9	67
1143	Stromal Interaction Molecule 1 rescues store-operated calcium entry and protects NG115-401L cells against cell death induced by endoplasmic reticulum and mitochondrial oxidative stress. <i>Neurochemistry International</i> , 2016, 97, 137-145.	1.9	10
1144	An Introduction to Mitochondria, Their Structure and Functions. , 2016, , 3-30.		3
1145	A calcium- and calpain-dependent pathway determines the response to lenalidomide in myelodysplastic syndromes. <i>Nature Medicine</i> , 2016, 22, 727-734.	15.2	68
1146	Transient receptor potential canonical 4 and 5 proteins as targets in cancer therapeutics. <i>European Biophysics Journal</i> , 2016, 45, 611-620.	1.2	37
1147	Temporally resolved direct delivery of second messengers into cells using nanostraws. <i>Lab on A Chip</i> , 2016, 16, 2434-2439.	3.1	24
1148	Oxidative Damage and Energy Metabolism Disorder Contribute to the Hemolytic Effect of Amorphous Silica Nanoparticles. <i>Nanoscale Research Letters</i> , 2016, 11, 57.	3.1	43
1149	Atomic force microscopy study of ionomycin-induced degranulation in RBL-2H3 cells. <i>Scanning</i> , 2016, 38, 525-534.	0.7	6

#	ARTICLE	IF	CITATIONS
1150	Differential effects of calcium on PI3K-Akt and HIF-1 α survival pathways. <i>Cell Biology and Toxicology</i> , 2016, 32, 437-449.	2.4	42
1151	An in vitro compartmentalization-based method for the selection of bond-forming enzymes from large libraries. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1647-1657.	1.7	26
1152	Alterations in cytosol free calcium in horseradish roots simultaneously exposed to lanthanum(III) and acid rain. <i>Ecotoxicology and Environmental Safety</i> , 2016, 126, 62-70.	2.9	17
1153	ER functions of oncogenes and tumor suppressors: Modulators of intracellular Ca ²⁺ signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1364-1378.	1.9	122
1154	Cold stress increases reactive oxygen species formation via TRPA1 activation in A549 cells. <i>Cell Stress and Chaperones</i> , 2016, 21, 367-372.	1.2	36
1155	Esculetin, a natural coumarin compound, evokes Ca ²⁺ movement and activation of Ca ²⁺ -associated mitochondrial apoptotic pathways that involved cell cycle arrest in ZR-75-1 human breast cancer cells. <i>Tumor Biology</i> , 2016, 37, 4665-4678.	0.8	21
1156	Binding mechanisms of 1,4-dihydropyridine derivatives to L-type calcium channel Ca _v 1.2: a molecular modeling study. <i>Molecular BioSystems</i> , 2016, 12, 379-390.	2.9	20
1157	Differential interaction of \hat{I}^{2e} with phosphoinositides: A comparative study between \hat{I}^{2e} and MARCKS. <i>Channels</i> , 2016, 10, 238-246.	1.5	5
1158	<i>In Vitro</i> Developmental Neurotoxicity Following Chronic Exposure to 50 Hz Extremely Low-Frequency Electromagnetic Fields in Primary Rat Cortical Cultures. <i>Toxicological Sciences</i> , 2016, 149, 433-440.	1.4	12
1159	Beyond ion-conduction: Channel-dependent and -independent roles of TRP channels during development and tissue homeostasis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1436-1446.	1.9	33
1160	The role of Ca ²⁺ signaling on the self-renewal and neural differentiation of embryonic stem cells (ESCs). <i>Cell Calcium</i> , 2016, 59, 67-74.	1.1	34
1161	Periodontal disease level-butyric acid amounts locally administered in the rat gingival mucosa induce ER stress in the systemic blood. <i>Microbial Pathogenesis</i> , 2016, 94, 70-75.	1.3	10
1162	Calcium signalling in malaria parasites. <i>Molecular Microbiology</i> , 2016, 100, 397-408.	1.2	71
1163	Gonadal hormone modulation of intracellular calcium as a mechanism of neuroprotection. <i>Frontiers in Neuroendocrinology</i> , 2016, 42, 40-52.	2.5	9
1164	The clerodane diterpene casearin J induces apoptosis of T-ALL cells through SERCA inhibition, oxidative stress, and interference with Notch1 signaling. <i>Cell Death and Disease</i> , 2016, 7, e2070-e2070.	2.7	36
1165	The role of TRPP2 in agonist-induced gallbladder smooth muscle contraction. <i>Science China Life Sciences</i> , 2016, 59, 409-416.	2.3	5
1166	Protein ligand-tethered synthetic calcium indicator for localization control and spatiotemporal calcium imaging in plant cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 9-14.	1.0	5
1167	Ophiopogonin D maintains Ca ²⁺ homeostasis in rat cardiomyocytes in vitro by upregulating CYP2J3/EETs and suppressing ER stress. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 368-381.	2.8	26

#	ARTICLE	IF	CITATIONS
1168	Calcium intake, calcium homeostasis and health. <i>Food Science and Human Wellness</i> , 2016, 5, 8-16.	2.2	99
1169	Effect of the SOD mimetic MnL4 on in vitro and in vivo oxaliplatin toxicity: Possible aid in chemotherapy induced neuropathy. <i>Free Radical Biology and Medicine</i> , 2016, 93, 67-76.	1.3	33
1170	Physiology of Ca ²⁺ signalling in stem cells of different origins and differentiation stages. <i>Cell Calcium</i> , 2016, 59, 57-66.	1.1	40
1171	T-Type Ca ²⁺ Channel Inhibition Sensitizes Ovarian Cancer to Carboplatin. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 460-470.	1.9	57
1172	Endoplasmic reticulum and lysosomal Ca ²⁺ stores are remodelled in GBA1-linked Parkinson disease patient fibroblasts. <i>Cell Calcium</i> , 2016, 59, 12-20.	1.1	71
1173	Multifaceted plasma membrane Ca ²⁺ pumps: From structure to intracellular Ca ²⁺ handling and cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1351-1363.	1.9	36
1174	Genetically targeted single-channel optical recording reveals multiple Orai1 gating states and oscillations in calcium influx. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 440-445.	3.3	97
1175	Mg ⁺⁺ requirement for MtHK binding, and Mg ⁺⁺ stabilization of mitochondrial membranes via activation of MtHK & MtCK and promotion of mitochondrial permeability transition pore closure: A hypothesis on mechanisms underlying Mg ⁺⁺ 's antioxidant and cytoprotective effects. <i>Gene</i> , 2016, 581, 1-13.	1.0	20
1176	Synthetic fluorescent probes to map metallostasis and intracellular fate of zinc and copper. <i>Coordination Chemistry Reviews</i> , 2016, 311, 125-167.	9.5	81
1177	Osteocyte-directed bone demineralization along canaliculi. <i>Bone</i> , 2016, 84, 279-288.	1.4	78
1178	Coupling calcium dynamics and mitochondrial bioenergetic: an in silico study to simulate cardiomyocyte dysfunction. <i>Molecular BioSystems</i> , 2016, 12, 806-817.	2.9	7
1179	Cell-Permeable Esterase-Activated Ca(II)-Sensitive MRI Contrast Agent. <i>Bioconjugate Chemistry</i> , 2016, 27, 465-473.	1.8	40
1180	Genome-Wide Pathway Analysis Identifies Genetic Pathways Associated with Psoriasis. <i>Journal of Investigative Dermatology</i> , 2016, 136, 593-602.	0.3	27
1181	Calmodulin inhibition regulates morphological and functional changes related to the actin cytoskeleton in pure microglial cells. <i>Brain Research Bulletin</i> , 2016, 120, 41-57.	1.4	14
1182	Interactions between N and C termini of β_1C subunit regulate inactivation of Ca _v 1.2 L-type Ca ²⁺ channel. <i>Channels</i> , 2016, 10, 55-68.	1.5	12
1183	Shape of chondrocytes within articular cartilage affects the solid but not the fluid microenvironment under unconfined compression. <i>Acta Biomaterialia</i> , 2016, 29, 170-179.	4.1	15
1184	The endoplasmic reticulum: structure, function and response to cellular signaling. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 79-94.	2.4	940
1185	Lycopene protects against atrazine-induced hepatic ionic homeostasis disturbance by modulating ion-transporting ATPases. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 249-256.	1.9	37

#	ARTICLE	IF	CITATIONS
1186	Calcium, TRPC channels, and regulation of the actin cytoskeleton in podocytes: towards a future of targeted therapies. <i>Pediatric Nephrology</i> , 2016, 31, 1047-1054.	0.9	42
1187	Large-scale comparative phosphoprotein analysis of maize seedling leaves during greening. <i>Planta</i> , 2016, 243, 501-517.	1.6	15
1188	¹ H, ¹³ C and ¹⁵ N NMR assignments of a calcium-binding protein from <i>Entamoeba histolytica</i> . <i>Biomolecular NMR Assignments</i> , 2016, 10, 67-70.	0.4	3
1189	Elevated plasma CaM expression in patients with acute cerebral infarction predicts poor outcomes and is inversely associated with miR-26b expression. <i>International Journal of Neuroscience</i> , 2016, 126, 408-414.	0.8	21
1190	Effects of Osmolarity on the Spontaneous Calcium Signaling of In Situ Juvenile and Adult Articular Chondrocytes. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1138-1147.	1.3	21
1191	Effect of electromagnetic field on cyclic adenosine monophosphate (cAMP) in a human mu-opioid receptor cell model. <i>Electromagnetic Biology and Medicine</i> , 2016, 35, 206-213.	0.7	12
1192	Interleukin-11 binds specific EF-hand proteins via their conserved structural motifs. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 78-91.	2.0	31
1193	Readthrough transcription: How are DoGs made and what do they do?. <i>RNA Biology</i> , 2017, 14, 632-636.	1.5	37
1194	Assessment of neurotoxic effects of tri-cresyl phosphates (TCPs) and cresyl saligenin phosphate (CBDP) using a combination of in vitro techniques. <i>NeuroToxicology</i> , 2017, 59, 210-221.	1.4	10
1195	Signalling in ciliates: long- and short-range signals and molecular determinants for cellular dynamics. <i>Biological Reviews</i> , 2017, 92, 60-107.	4.7	25
1196	The <i>Arabidopsis</i> trichome is an active mechanosensory switch. <i>Plant, Cell and Environment</i> , 2017, 40, 611-621.	2.8	54
1197	The ecological impacts of lakewater calcium decline on softwater boreal ecosystems. <i>Environmental Reviews</i> , 2017, 25, 245-253.	2.1	39
1198	Casein phosphopeptides and CaCl ₂ increase penicillin production and cause an increment in microbody/peroxisome proteins in <i>Penicillium chrysogenum</i> . <i>Journal of Proteomics</i> , 2017, 156, 52-62.	1.2	16
1199	The Bacterial T6SS Effector EvpP Prevents NLRP3 Inflammasome Activation by Inhibiting the Ca ²⁺ -Dependent MAPK-Jnk Pathway. <i>Cell Host and Microbe</i> , 2017, 21, 47-58.	5.1	138
1200	Enhanced store-operated Ca ²⁺ influx and ORAI1 expression in ventricular fibroblasts from human failing heart. <i>Biology Open</i> , 2017, 6, 326-332.	0.6	40
1201	CRISPR-Cas-Induced Mutants Identify a Requirement for dSTIM in Larval Dopaminergic Cells of <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 923-933.	0.8	16
1202	TFEB-mediated increase in peripheral lysosomes regulates store-operated calcium entry. <i>Scientific Reports</i> , 2017, 7, 40797.	1.6	37
1204	CD95-Mediated Calcium Signaling. <i>Methods in Molecular Biology</i> , 2017, 1557, 79-93.	0.4	4

#	ARTICLE	IF	CITATIONS
1205	The Nuclear Option: Evidence Implicating the Cell Nucleus in Mechanotransduction. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	57
1206	Regulation of Calcium Homeostasis by ER Redox: A Close-Up of the ER/Mitochondria Connection. <i>Journal of Molecular Biology</i> , 2017, 429, 620-632.	2.0	60
1207	Influence of Hofmeister Ions on the Structure of Proline-Based Peptide Models: A Combined Experimental and Molecular Modeling Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2062-2072.	1.2	7
1208	A novel approach to regulate cell membrane permeability for ATP and NADH formation in <i>Saccharomyces cerevisiae</i> induced by air cold plasma. <i>Plasma Science and Technology</i> , 2017, 19, 024001.	0.7	10
1209	Distinct intracellular Ca ²⁺ dynamics regulate apical constriction and differentially contribute to neural tube closure. <i>Development (Cambridge)</i> , 2017, 144, 1307-1316.	1.2	42
1210	Calcium mediates the cellular response of <i>Chlamydomonas reinhardtii</i> to the emerging aquatic pollutant Triclosan. <i>Aquatic Toxicology</i> , 2017, 186, 50-66.	1.9	52
1211	<i>Plasmodium falciparum</i> apicoplast and its transcriptional regulation through calcium signaling. <i>Journal of Microbiology</i> , 2017, 55, 231-236.	1.3	8
1212	Mitochondrial dynamics in neuronal injury, development and plasticity. <i>Journal of Cell Science</i> , 2017, 130, 671-681.	1.2	167
1213	Ca ²⁺ ion sensing by a piperidin-4-one derivative and the effect of β -cyclodextrin complexation on the sensing. <i>Journal of Luminescence</i> , 2017, 185, 205-211.	1.5	8
1214	25-Hydroxyvitamin D-1- β -hydroxylase in apolipoprotein E knockout mice: The role of protecting vascular smooth muscle cell from calcification. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 971-977.	2.5	5
1215	Mitochondrial Ca ²⁺ Uniporter Is a Mitochondrial Luminal Redox Sensor that Augments MCU Channel Activity. <i>Molecular Cell</i> , 2017, 65, 1014-1028.e7.	4.5	179
1216	Tris (1,3-dichloro-2-propyl) phosphate induces toxicity by stimulating CaMK2 in PC12 cells. <i>Environmental Toxicology</i> , 2017, 32, 1784-1791.	2.1	9
1217	Calcium Directly Regulates Phosphatidylinositol 4,5-Bisphosphate Headgroup Conformation and Recognition. <i>Journal of the American Chemical Society</i> , 2017, 139, 4019-4024.	6.6	87
1218	Tributyltin exposure at noncytotoxic doses dysregulates pancreatic β -cell function in vitro and in vivo. <i>Archives of Toxicology</i> , 2017, 91, 3135-3144.	1.9	30
1219	DPB162-AE, an inhibitor of store-operated Ca ²⁺ entry, can deplete the endoplasmic reticulum Ca ²⁺ store. <i>Cell Calcium</i> , 2017, 62, 60-70.	1.1	21
1220	The role of vitamin D in the endocrinology controlling calcium homeostasis. <i>Molecular and Cellular Endocrinology</i> , 2017, 453, 36-45.	1.6	172
1221	The CACNA1C risk allele rs1006737 is associated with age-related prefrontal cortical thinning in bipolar I disorder. <i>Translational Psychiatry</i> , 2017, 7, e1086-e1086.	2.4	44
1222	Quantitative analysis of total reflection X-ray fluorescence from finely layered structures using X-ray. <i>Review of Scientific Instruments</i> , 2017, 88, 033112.	0.6	1

#	ARTICLE	IF	CITATIONS
1223	A secreted chitinase-like protein (<scp>OsCLP</scp>) supports root growth through calcium signaling in <i>Oryza sativa</i>. <i>Physiologia Plantarum</i> , 2017, 161, 273-284.	2.6	16
1224	Activation of phospholipase C- β 1 and translocation of phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase contribute to GL-V9-induced apoptosis in human gastric cancer cells. <i>Experimental Cell Research</i> , 2017, 356, 8-19.	1.2	9
1225	Mapping genes for calcium signaling and their associated human genetic disorders. <i>Bioinformatics</i> , 2017, 33, 2547-2554.	1.8	16
1226	Cytosolic calcium mediates RIP1/RIP3 complex-dependent necroptosis through JNK activation and mitochondrial ROS production in human colon cancer cells. <i>Free Radical Biology and Medicine</i> , 2017, 108, 433-444.	1.3	106
1227	Enamel: Molecular identity of its transepithelial ion transport system. <i>Cell Calcium</i> , 2017, 65, 1-7.	1.1	39
1228	Calcium dynamics and regulation in horizontal cells of the vertebrate retina: lessons from teleosts. <i>Journal of Neurophysiology</i> , 2017, 117, 523-536.	0.9	9
1229	Near-Infrared Photothermally Activated DNAzyme-Gold Nanoshells for Imaging Metal Ions in Living Cells. <i>Angewandte Chemie</i> , 2017, 129, 6902-6906.	1.6	33
1230	Genetically Encoded Calcium Indicators as Probes to Assess the Role of Calcium Channels in Disease and for High-Throughput Drug Discovery. <i>Advances in Pharmacology</i> , 2017, 79, 141-171.	1.2	25
1231	Ca-NIR: a ratiometric near-infrared calcium probe based on a dihydroxanthene-hemicyanine fluorophore. <i>Chemical Communications</i> , 2017, 53, 6117-6120.	2.2	23
1232	In Vivo Calcium Signaling during Synaptic Refinement at the Drosophila Neuromuscular Junction. <i>Journal of Neuroscience</i> , 2017, 37, 5511-5526.	1.7	20
1233	The role of Ca ²⁺ signaling in Parkinson's disease. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 519-535.	1.2	132
1234	Using GCaMP3 to Study Ca ²⁺ Signaling in Nicotiana Species. <i>Plant and Cell Physiology</i> , 2017, 58, 1173-1184.	1.5	32
1235	Impact of Acrylamide on Calcium Signaling and Cytoskeletal Filaments in Testes From F344 Rat. <i>International Journal of Toxicology</i> , 2017, 36, 124-132.	0.6	20
1236	Near-Infrared Photothermally Activated DNAzyme-Gold Nanoshells for Imaging Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6798-6802.	7.2	177
1237	The pleiotropic vegetative and sexual development phenotypes of <i>Neurospora crassa</i> arise from double mutants of the calcium signaling genes <i>plc-1</i> , <i>splA2</i> , and <i>cpe-1</i> . <i>Current Genetics</i> , 2017, 63, 861-875.	0.8	15
1238	Silicon-Substituted Xanthene Dyes and Their Unique Photophysical Properties for Fluorescent Probes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1435-1446.	1.7	78
1239	Self-organized mechano-chemical dynamics in amoeboid locomotion of <i>Physarum</i> fragments. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 204004.	1.3	26
1240	Chronic mitochondrial calcium elevation suppresses leaf senescence. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 672-677.	1.0	16

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1241	Intracellular Ca ²⁺ Sensing: Its Role in Calcium Homeostasis and Signaling. <i>Molecular Cell</i> , 2017, 66, 780-788.	4.5	499
1242	Channel Switching in Molecular Communication Networks through Calcium Signaling. , 2017, , .		8
1243	TRPV4 mediates the calcium influx required for Flightless-non-muscle myosin interaction and collagen remodeling. <i>Journal of Cell Science</i> , 2017, 130, 2196-2208.	1.2	29
1244	Inhibition of TRPC6 Signal Pathway Alleviates Podocyte Injury Induced by TGF- β 1. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 163-172.	1.1	31
1245	Evidence for the formation of ScbR/ScbR2 heterodimers and identification of one of the regulatory targets in <i>Streptomyces coelicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5333-5340.	1.7	4
1246	Mitochondrial Calcium Handling in Physiology and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2017, 982, 25-47.	0.8	61
1247	Activation of sodium channel by a novel α -scorpion toxin, BmK NT2, stimulates ERK1/2 and CERB phosphorylation through a Ca ²⁺ dependent pathway in neocortical neurons. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 70-77.	3.6	10
1248	Betaine promotes cell differentiation of human osteoblasts in primary culture. <i>Journal of Translational Medicine</i> , 2017, 15, 132.	1.8	23
1250	Mechanisms for ion retention in molecular water clusters in a planar nanopore against the background of thermal fluctuations. <i>Colloid Journal</i> , 2017, 79, 399-413.	0.5	2
1251	The many faces of compartmentalized PKA signalosomes. <i>Cellular Signalling</i> , 2017, 37, 1-11.	1.7	158
1252	ATP-induced Ca ²⁺ -signalling mechanisms in the regulation of mesenchymal stem cell migration. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3697-3710.	2.4	45
1253	Proteoglycans, ion channels and cell-matrix adhesion. <i>Biochemical Journal</i> , 2017, 474, 1965-1979.	1.7	36
1254	The Lectin Chaperone Calnexin Is Involved in the Endoplasmic Reticulum Stress Response by Regulating Ca ²⁺ Homeostasis in <i>Aspergillus nidulans</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	16
1255	Influence of extremely low frequency magnetic fields on Ca ²⁺ signaling and double messenger system in mice hippocampus and reversal function of procyanidins extracted from lotus seedpod. <i>Bioelectromagnetics</i> , 2017, 38, 436-446.	0.9	9
1256	The HOOK region of β subunits controls gating of voltage-gated Ca ²⁺ channels by electrostatically interacting with plasma membrane. <i>Channels</i> , 2017, 11, 467-475.	1.5	4
1257	Ion channel signaling influences cellular proliferation and phagocyte activity during axolotl tail regeneration. <i>Mechanisms of Development</i> , 2017, 146, 42-54.	1.7	18
1258	Optogenetic control of mitochondrial metabolism and Ca ²⁺ signaling by mitochondria-targeted opsins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5167-E5176.	3.3	52
1259	A Novel Dual Channel Fluorescent Probe for Ca ²⁺ and Zn ²⁺ Based on a Coumarin Schiff Base. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1263-1269.	2.6	20

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1260	BAP1 regulates IP3R3-mediated Ca ²⁺ flux to mitochondria suppressing cell transformation. <i>Nature</i> , 2017, 546, 549-553.	13.7	308
1261	PTEN counteracts FBXL2 to promote IP3R3- and Ca ²⁺ -mediated apoptosis limiting tumour growth. <i>Nature</i> , 2017, 546, 554-558.	13.7	182
1262	Development of an endoplasmic reticulum calcium sensor based on fluorescence resonance energy transfer. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 520-525.	4.0	2
1263	Imaging early embryonic calcium activity with GCaMP6s transgenic zebrafish. <i>Developmental Biology</i> , 2017, 430, 385-396.	0.9	43
1264	An Architecture of Calcium Signaling for Molecular Communication Based Nano Network. <i>Modeling and Optimization in Science and Technologies</i> , 2017, , 165-203.	0.7	2
1265	Simultaneous Single-Cell Analysis of Na ⁺ , K ⁺ , Ca ²⁺ , and Mg ²⁺ in Neuron-Like PC-12 Cells in a Microfluidic System. <i>Analytical Chemistry</i> , 2017, 89, 4559-4565.	3.2	36
1266	Evolutionary insights into T-type Ca ²⁺ channel structure, function, and ion selectivity from the <i>Trichoplax adhaerens</i> homologue. <i>Journal of General Physiology</i> , 2017, 149, 483-510.	0.9	30
1267	Myosin activity drives actomyosin bundle formation and organization in contractile cells of the <i>Caenorhabditis elegans</i> spermatheca. <i>Molecular Biology of the Cell</i> , 2017, 28, 1937-1949.	0.9	26
1268	Choose your cell model wisely: The in vitro nanoneurotoxicity of differentially coated iron oxide nanoparticles for neural cell labeling. <i>Acta Biomaterialia</i> , 2017, 55, 204-213.	4.1	13
1269	Pharmacological screening technologies for venom peptide discovery. <i>Neuropharmacology</i> , 2017, 127, 4-19.	2.0	36
1270	The calcium-cancer signalling nexus. <i>Nature Reviews Cancer</i> , 2017, 17, 373-380.	12.8	390
1271	Prior Use of Calcium Channel Blockers Is Associated With Decreased Mortality in Critically Ill Patients With Sepsis: A Prospective Observational Study. <i>Critical Care Medicine</i> , 2017, 45, 454-463.	0.4	23
1272	Melamine induces Ca ²⁺ -sensing receptor activation and elicits apoptosis in proximal tubular cells. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C27-C41.	2.1	23
1273	Calcium regulation of the human mitochondrial ATP-Mg/Pi carrier SLC25A24 uses a locking pin mechanism. <i>Scientific Reports</i> , 2017, 7, 45383.	1.6	33
1274	Differential proteomic analysis revealing the ovule abortion in the female-sterile line of <i>Pinus tabulaeformis</i> Carr.. <i>Plant Science</i> , 2017, 260, 31-49.	1.7	8
1275	Calcium spikes, waves and oscillations in a large, patterned epithelial tissue. <i>Scientific Reports</i> , 2017, 7, 42786.	1.6	76
1276	Impact of graphyne on structural and dynamical properties of calmodulin. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10187-10195.	1.3	10
1277	Calcium dependent regulation of protein ubiquitination – Interplay between E3 ligases and calcium binding proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1227-1235.	1.9	25

#	ARTICLE	IF	CITATIONS
1278	Comparison of Calcium Dynamics and Specific Features for G Protein-Coupled Receptor-Targeting Drugs Using Live Cell Imaging and Automated Analysis. <i>SLAS Discovery</i> , 2017, 22, 848-858.	1.4	14
1279	Challenges and Opportunities in Brain Bioinorganic Chemistry. <i>Accounts of Chemical Research</i> , 2017, 50, 577-579.	7.6	7
1280	The cardiac L-type calcium channel alpha subunit is a target for direct redox modification during oxidative stress—the role of cysteine residues in the alpha interacting domain. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 46-54.	0.9	23
1281	Calcium-gated K ⁺ channels of the KCa1.1- and KCa3.1-type couple intracellular Ca ²⁺ signals to membrane hyperpolarization in mesenchymal stromal cells from the human adipose tissue. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 349-362.	1.3	7
1282	Engineering Synthetic Proteins to Generate Ca ²⁺ Signals in Mammalian Cells. <i>ACS Synthetic Biology</i> , 2017, 6, 582-590.	1.9	16
1283	Inhibition of TRPC6 channels ameliorates renal fibrosis and contributes to renal protection by soluble klotho. <i>Kidney International</i> , 2017, 91, 830-841.	2.6	84
1284	A divalent cation-dependent variant of the <i>glmS</i> ribozyme with stringent Ca ²⁺ selectivity co-opts a preexisting nonspecific metal ion-binding site. <i>Rna</i> , 2017, 23, 355-364.	1.6	13
1285	Measuring Ca ²⁺ inside intracellular organelles with luminescent and fluorescent aequorin-based sensors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 894-899.	1.9	11
1286	General Anesthetics Regulate Autophagy via Modulating the Inositol 1,4,5-Trisphosphate Receptor: Implications for Dual Effects of Cytoprotection and Cytotoxicity. <i>Scientific Reports</i> , 2017, 7, 12378.	1.6	22
1287	Membrane Order Is a Key Regulator of Divalent Cation-Induced Clustering of PI(3,5)P ₂ and PI(4,5)P ₂ . <i>Langmuir</i> , 2017, 33, 12463-12477.	1.6	13
1288	Cutting Edge: Murine NK Cells Degranulate and Retain Cytotoxic Function without Store-Operated Calcium Entry. <i>Journal of Immunology</i> , 2017, 199, 1973-1978.	0.4	10
1289	Effects of Cr(VI) on Ca ²⁺ -ATPase activity in the earthworm <i>Eisenia andrei</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 203, 21-28.	1.3	8
1290	The steroid hormone 20-hydroxyecdysone upregulates calcium release-activated calcium channel modulator 1 expression to induce apoptosis in the midgut of <i>Helicoverpa armigera</i> . <i>Cell Calcium</i> , 2017, 68, 24-33.	1.1	15
1291	Leucine-rich repeat-containing 8B (LRRC8B) protein is associated with the endoplasmic reticulum calcium leak in HEK293 cells. <i>Journal of Cell Science</i> , 2017, 130, 3818-3828.	1.2	21
1292	Bik reduces hyperplastic cells by increasing Bak and activating DAPk1 to juxtapose ER and mitochondria. <i>Nature Communications</i> , 2017, 8, 803.	5.8	21
1293	Mean force potential of interaction between Na ⁺ and Cl ⁻ ions in planar nanopores in contact with water under pressure. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 2124-2130.	0.1	1
1294	Control of protein translation by IP ₃ R-mediated Ca ²⁺ release in <i>Drosophila</i> neuroendocrine cells. <i>Fly</i> , 2017, 11, 290-296.	0.9	3
1295	Surface Polarization Effects on Ion-Containing Emulsions. <i>Physical Review Letters</i> , 2017, 119, 138002.	2.9	16

#	ARTICLE	IF	CITATIONS
1296	PEGylated Red-Emitting Calcium Probe with Improved Sensing Properties for Neuroscience. ACS Sensors, 2017, 2, 1706-1712.	4.0	6
1297	The L-type voltage-gated calcium channel Ca _v 1.2 mediates fear extinction and modulates synaptic tone in the lateral amygdala. Learning and Memory, 2017, 24, 580-588.	0.5	15
1298	Neuroplastin and Basigin Are Essential Auxiliary Subunits of Plasma Membrane Ca ²⁺ -ATPases and Key Regulators of Ca ²⁺ Clearance. Neuron, 2017, 96, 827-838.e9.	3.8	73
1299	Visualization of long-term Mg ²⁺ dynamics in apoptotic cells using a novel targetable fluorescent probe. Chemical Science, 2017, 8, 8255-8264.	3.7	28
1300	Effects of Hyperoxia on the Developing Airway and Pulmonary Vasculature. Advances in Experimental Medicine and Biology, 2017, 967, 179-194.	0.8	12
1301	Calmodulin dissociates the STIM1-Orai1 complex and STIM1 oligomers. Nature Communications, 2017, 8, 1042.	5.8	43
1302	Affinity of IDPs to their targets is modulated by ion-specific changes in kinetics and residual structure. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9882-9887.	3.3	67
1303	Highly selective tridentate fluorescent probes for visualizing intracellular Mg ²⁺ dynamics without interference from Ca ²⁺ fluctuation. Chemical Communications, 2017, 53, 10644-10647.	2.2	24
1304	Cytochrome c oxidase inhibition by calcium at physiological ionic composition of the medium: Implications for physiological significance of the effect. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 982-990.	0.5	13
1305	Investigation on temperature-induced conformational change of immobilized β 2 adrenergic receptor. Biochemical and Biophysical Research Communications, 2017, 494, 634-640.	1.0	1
1306	Neurological and Motor Disorders: Neuronal Store-Operated Ca ²⁺ Signaling: An Overview and Its Function. Advances in Experimental Medicine and Biology, 2017, 993, 535-556.	0.8	22
1307	Applications of Optobiology in Intact Cells and Multicellular Organisms. Journal of Molecular Biology, 2017, 429, 2999-3017.	2.0	27
1308	eIF4B phosphorylation at Ser504 links synaptic activity with protein translation in physiology and pathology. Scientific Reports, 2017, 7, 10563.	1.6	14
1309	Conformational landscape mapping the difference between N-lobes and C-lobes of calmodulin. Journal of Inorganic Biochemistry, 2017, 177, 55-62.	1.5	8
1310	Magneto-actuated cell apoptosis by biaxial pulsed magnetic field. Scientific Reports, 2017, 7, 10919.	1.6	21
1311	A method for estimating intracellular ion concentration using optical nanosensors and ratiometric imaging. Scientific Reports, 2017, 7, 10819.	1.6	28
1312	The unique C terminus of the calcineurin isoform CNA β 1 confers non-canonical regulation of enzyme activity by Ca ²⁺ and calmodulin. Journal of Biological Chemistry, 2017, 292, 16709-16721.	1.6	17
1313	Displacement and hybridization reactions in aptamer-functionalized hydrogels for biomimetic protein release and signal transduction. Chemical Science, 2017, 8, 7306-7311.	3.7	24

#	ARTICLE	IF	CITATIONS
1314	Evaluation of solubility and cytotoxicity of lanthanum-doped phosphate glasses nanoparticles for drug delivery applications. <i>Journal of Non-Crystalline Solids</i> , 2017, 475, 59-70.	1.5	15
1315	The calcium-binding protein ALG-2 regulates protein secretion and trafficking via interactions with MISSL and MAP1B proteins. <i>Journal of Biological Chemistry</i> , 2017, 292, 17057-17072.	1.6	20
1316	Salt Promotes Protonation of Amine Groups at Air/Water Interface. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3601-3606.	2.1	19
1317	Resveratrol and polydatin as modulators of Ca ²⁺ mobilization in the cardiovascular system. <i>Annals of the New York Academy of Sciences</i> , 2017, 1403, 82-91.	1.8	29
1318	Graphene-induced apoptosis in lung epithelial cells through EGFR. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	17
1319	Total Calcium and Albumin Are Decreased in the Deeper Epidermis of Patients with Chronic Kidney Disease-Associated Pruritus. <i>Nephron</i> , 2017, 136, 103-110.	0.9	7
1320	Effect of electroacupuncture on gene expression in calcium signaling pathway in hippocampal cells in mice with cerebral ischemia reperfusion. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> , 2017, 37, 252-260.	0.4	5
1321	Characterization and function of a novel calmodulin-like protein from crayfish <i>Procambarus clarkii</i> . <i>Fish and Shellfish Immunology</i> , 2017, 67, 518-522.	1.6	1
1322	CalQuo 2 : Automated Fourier-space, population-level quantification of global intracellular calcium responses. <i>Scientific Reports</i> , 2017, 7, 5416.	1.6	10
1323	Structure of thrombospondin type 3 repeats in bacterial outer membrane protein A reveals its intra-repeat disulfide bond-dependent calcium-binding capability. <i>Cell Calcium</i> , 2017, 66, 78-89.	1.1	7
1324	Calcium Homeostasis in Multiple Sclerosis. <i>Neurology International Open</i> , 2017, 01, E127-E135.	0.4	4
1325	Scalability of voltage-controlled filamentary and nanometallic resistance memory devices. <i>Nanoscale</i> , 2017, 9, 12690-12697.	2.8	30
1326	Normal and Malignant Cells Exhibit Differential Responses to Calcium Electroporation. <i>Cancer Research</i> , 2017, 77, 4389-4401.	0.4	61
1327	Aldose Reductase Mediates NLRP3 Inflammasome-Initiated Innate Immune Response in Hyperglycemia-Induced Thp1 Monocytes and Male Mice. <i>Endocrinology</i> , 2017, 158, 3661-3675.	1.4	44
1328	Peroxisomal plant metabolism – an update on nitric oxide, Ca ²⁺ and the NADPH recycling network. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	41
1329	Structural and functional diversity of EF-hand proteins: Evolutionary perspectives. <i>Protein Science</i> , 2017, 26, 1898-1920.	3.1	81
1330	Monitoring ER/SR Calcium Release with the Targeted Ca ²⁺ Sensor CatchER. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	6
1331	Design of Synthetic Promoters for Gene Circuits in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2017, 1651, 263-273.	0.4	14

#	ARTICLE	IF	CITATIONS
1332	Voltage-gated calcium flux mediates <i>Escherichia coli</i> mechanosensation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9445-9450.	3.3	110
1333	IP3 receptor signaling and endothelial barrier function. Cellular and Molecular Life Sciences, 2017, 74, 4189-4207.	2.4	12
1334	Osteoimmunology: The Conceptual Framework Unifying the Immune and Skeletal Systems. Physiological Reviews, 2017, 97, 1295-1349.	13.1	347
1335	P38 Kinase, SGK1 and NF- κ B Dependent Up-Regulation of Na ⁺ /Ca ²⁺ Exchanger Expression and Activity Following TGF β 1 Treatment of Megakaryocytes. Cellular Physiology and Biochemistry, 2017, 42, 2169-2181.	1.1	6
1336	Alterations in Ca ²⁺ Signalling via ER-Mitochondria Contact Site Remodelling in Cancer. Advances in Experimental Medicine and Biology, 2017, 997, 225-254.	0.8	35
1338	Ecological significance of mitochondrial toxicants. Toxicology, 2017, 391, 64-74.	2.0	32
1339	Acute exposure to high-frequency electromagnetic field affects activity of model peripheral sensory neurons. Journal of Cellular and Molecular Medicine, 2018, 22, 1355-1362.	1.6	16
1340	Quantitative assessment of cell fate decision between autophagy and apoptosis. Scientific Reports, 2017, 7, 17605.	1.6	42
1341	Effect of Calcium-Infiltrated Hydroxyapatite Scaffolds on the Hematopoietic Fate of Human Umbilical Vein Endothelial Cells. Journal of Vascular Research, 2017, 54, 376-385.	0.6	4
1343	Role of Na ⁺ /Ca ²⁺ Exchangers in Therapy Resistance of Medulloblastoma Cells. Cellular Physiology and Biochemistry, 2017, 42, 1240-1251.	1.1	10
1344	NOTCH1 is a mechanosensor in adult arteries. Nature Communications, 2017, 8, 1620.	5.8	205
1345	Knockdown of amyloid precursor protein increases calcium levels in the endoplasmic reticulum. Scientific Reports, 2017, 7, 14512.	1.6	20
1346	Zinc and calcium alter the relationship between mitochondrial respiration, ROS and membrane potential in rainbow trout (<i>Oncorhynchus mykiss</i>) liver mitochondria. Aquatic Toxicology, 2017, 189, 170-183.	1.9	22
1347	The Evolution of Calcium-Based Signalling in Plants. Current Biology, 2017, 27, R667-R679.	1.8	214
1348	Ion- and water-binding sites inside an occluded hourglass pore of a trimeric intracellular cation (TRIC) channel. BMC Biology, 2017, 15, 31.	1.7	4
1349	Synthesis and biological evaluation of fluoro-substituted 3,4-dihydroquinazoline derivatives for cytotoxic and analgesic effects. Bioorganic and Medicinal Chemistry, 2017, 25, 4656-4664.	1.4	8
1350	Basic Biology of Oxidative Stress and the Cardiovascular System. Journal of the American College of Cardiology, 2017, 70, 196-211.	1.2	171
1351	Genomics and evolutionary aspect of calcium signaling event in calmodulin and calmodulin-like proteins in plants. BMC Plant Biology, 2017, 17, 38.	1.6	72

#	ARTICLE	IF	CITATIONS
1352	Effect of tetramethylpyrazine (TMP) on Ca ²⁺ signal transduction and cell viability in a model of renal tubular cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21952.	1.4	1
1353	Photoswitchable calcium sensor: "On" "Off" sensing in cells or with microstructured optical fibers. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 965-972.	4.0	19
1354	Molecular dynamics simulations and in vitro analysis of the CRMP2 thiol switch. <i>Molecular BioSystems</i> , 2017, 13, 1744-1753.	2.9	8
1355	Highly efficient and selective red-emitting Ca ²⁺ probe based on a BODIPY fluorophore. <i>Tetrahedron</i> , 2017, 73, 5091-5095.	1.0	11
1356	Gibberellic acid inhibitors control height growth and cone production in <i>Abies fraseri</i> . <i>Scandinavian Journal of Forest Research</i> , 2017, 32, 391-396.	0.5	4
1357	Calcium and electrical signaling in arterial endothelial tubes: New insights into cellular physiology and cardiovascular function. <i>Microcirculation</i> , 2017, 24, e12328.	1.0	30
1358	Spatiotemporal dynamics of the calcineurin target CrzA. <i>Cellular Signalling</i> , 2017, 29, 168-180.	1.7	24
1359	Trifluoperazine, a Well-Known Antipsychotic, Inhibits Glioblastoma Invasion by Binding to Calmodulin and Disinhibiting Calcium Release Channel IP3R. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 217-227.	1.9	82
1360	Development of hydroxyapatite nanoparticles loaded with folic acid to induce osteoblastic differentiation. <i>International Journal of Pharmaceutics</i> , 2017, 516, 185-195.	2.6	28
1361	Spatial Ca ²⁺ profiling: decrypting the universal cytosolic Ca ²⁺ oscillation. <i>Journal of Physiology</i> , 2017, 595, 3053-3062.	1.3	40
1362	Calcium Channel Blocker Use and Risk of Prostate Cancer by <i>TMPRSS2:ERG</i> Gene Fusion Status. <i>Prostate</i> , 2017, 77, 282-290.	1.2	18
1363	Src-family tyrosine kinases and the Ca ²⁺ signal. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 915-932.	1.9	42
1364	Systematic Quantification of GPCR/cAMP-Controlled Protein Kinase A Interactions. <i>Hormone and Metabolic Research</i> , 2017, 49, 240-249.	0.7	6
1365	Transcriptomic analysis of the venom glands from the scorpion <i>Hadogenes troglodytes</i> revealed unique and extremely high diversity of the venom peptides. <i>Journal of Proteomics</i> , 2017, 150, 40-62.	1.2	29
1366	Neohesperidin suppresses osteoclast differentiation, bone resorption and ovariectomised-induced osteoporosis in mice. <i>Molecular and Cellular Endocrinology</i> , 2017, 439, 369-378.	1.6	47
1367	Memristors with diffusive dynamics as synaptic emulators for neuromorphic computing. <i>Nature Materials</i> , 2017, 16, 101-108.	13.3	1,655
1368	A novel mouse model of the aged brain: Over-expression of the L-type voltage-gated calcium channel Ca V 1.3. <i>Behavioural Brain Research</i> , 2017, 322, 241-249.	1.2	14
1369	Reactive oxygen species and Ca ²⁺ are involved in cadmium-induced cell killing in yeast cells. <i>Canadian Journal of Microbiology</i> , 2017, 63, 153-159.	0.8	12

#	ARTICLE	IF	CITATIONS
1370	Mechanisms of protein nanoscale clustering. <i>Current Opinion in Cell Biology</i> , 2017, 44, 86-92.	2.6	45
1371	Mechanotransduction pulls the strings of matrix degradation at invadosome. <i>Matrix Biology</i> , 2017, 57-58, 190-203.	1.5	15
1372	Arabidopsis CBL interacting protein kinase 3 interacts with ABR1, an APETALA2 domain transcription factor, to regulate ABA responses. <i>Plant Science</i> , 2017, 254, 48-59.	1.7	58
1373	Live Cell Imaging Reveals pH Oscillations in <i>Saccharomyces cerevisiae</i> During Metabolic Transitions. <i>Scientific Reports</i> , 2017, 7, 13922.	1.6	19
1374	The role of laserpuncture exposure on gonad maturation mechanism of catfish (<i>Clarias</i> sp.) through Ca ²⁺ , PKC and GABA neurotransmitter. <i>Egyptian Journal of Aquatic Research</i> , 2017, 43, 303-305.	1.0	2
1375	Small-molecule TFEB pathway agonists that ameliorate metabolic syndrome in mice and extend <i>C. elegans</i> lifespan. <i>Nature Communications</i> , 2017, 8, 2270.	5.8	121
1376	Regulation of Intracellular Calcium by Carbon Monoxide in Human Bronchial Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 42, 2377-2390.	1.1	5
1378	CatSper ¹ regulates the structural continuity of sperm Ca ²⁺ signaling domains and is required for normal fertility. <i>ELife</i> , 2017, 6, .	2.8	131
1379	Possible Role of Phosphatidylcholine and Sphingomyelin on Fumonisin B1-mediated Toxicity. <i>Food Safety (Tokyo, Japan)</i> , 2017, 5, 75-97.	1.0	5
1381	Ion Channels in Breast Cancer: From Signaling to Therapy. , 0, , .		4
1382	Loss of PINK1 or Parkin Function Results in a Progressive Loss of Mitochondrial Function. , 2017, , 187-209.		1
1383	Pharmacological and Biochemical Characterization of TLQP-21 Activation of a Binding Site on CHO Cells. <i>Frontiers in Pharmacology</i> , 2017, 8, 167.	1.6	19
1384	An Update on Sec61 Channel Functions, Mechanisms, and Related Diseases. <i>Frontiers in Physiology</i> , 2017, 8, 887.	1.3	117
1385	Biotic and Abiotic Stresses Activate Different Ca ²⁺ Permeable Channels in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 83.	1.7	41
1386	Divergent Soybean Calmodulins Respond Similarly to Calcium Transients: Insight into Differential Target Regulation. <i>Frontiers in Plant Science</i> , 2017, 08, 208.	1.7	10
1387	Arabidopsis Calmodulin-Like Proteins, CML15 and CML16 Possess Biochemical Properties Distinct from Calmodulin and Show Non-overlapping Tissue Expression Patterns. <i>Frontiers in Plant Science</i> , 2017, 8, 2175.	1.7	23
1388	Extract of Sheng-Mai-San Ameliorates Myocardial Ischemia-Induced Heart Failure by Modulating Ca ²⁺ -Calcineurin-Mediated Drp1 Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1825.	1.8	28
1389	Bioluminescence Assays for Monitoring Chondrogenic Differentiation and Cartilage Regeneration. <i>Sensors</i> , 2017, 17, 1306.	2.1	7

#	ARTICLE	IF	CITATIONS
1390	Mesenchymal stem cells: a possible role in the pathogenesis and treatment of spondyloarthritis. <i>Reumatismo</i> , 2017, 69, 1-8.	0.4	2
1391	Delineating the Common Biological Pathways Perturbed by ASD's Genetic Etiology: Lessons from Network-Based Studies. <i>International Journal of Molecular Sciences</i> , 2017, 18, 828.	1.8	25
1392	E2/ER \hat{I}^2 Enhances Calcineurin Protein Degradation and PI3K/Akt/MDM2 Signal Transduction to Inhibit ISO-Induced Myocardial Cell Apoptosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 892.	1.8	17
1393	Calcium Dynamics Mediated by the Endoplasmic/Sarcoplasmic Reticulum and Related Diseases. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1024.	1.8	59
1394	Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca ²⁺ signaling in the <i>Drosophila</i> midgut. <i>ELife</i> , 2017, 6, .	2.8	75
1395	The Role of Transient Receptor Potential Channel 6 Channels in the Pulmonary Vasculature. <i>Frontiers in Immunology</i> , 2017, 8, 707.	2.2	39
1396	Regulated Forms of Cell Death in Fungi. <i>Frontiers in Microbiology</i> , 2017, 8, 1837.	1.5	90
1397	The Endoplasmic Reticulum Unfolded Protein Response in Neurodegenerative Disorders and Its Potential Therapeutic Significance. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 187.	1.4	138
1398	The Regulation of Tumor Cell Invasion and Metastasis by Endoplasmic Reticulum-to-Mitochondrial Ca ²⁺ Transfer. <i>Frontiers in Oncology</i> , 2017, 7, 171.	1.3	28
1400	CACNA1B (Ca _v 2.2) Overexpression and Its Association with Clinicopathologic Characteristics and Unfavorable Prognosis in Non-Small Cell Lung Cancer. <i>Disease Markers</i> , 2017, 2017, 1-8.	0.6	17
1401	T-cell calcium dynamics visualized in a ratiometric tdTomato-GCaMP6f transgenic reporter mouse. <i>ELife</i> , 2017, 6, .	2.8	51
1402	The Role of Stress-Induced O-GlcNAc Protein Modification in the Regulation of Membrane Transport. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-15.	1.9	20
1403	The Involvement of Mg ²⁺ in Regulation of Cellular and Mitochondrial Functions. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	104
1404	Defective STIM-mediated store operated Ca ²⁺ entry in hepatocytes leads to metabolic dysfunction in obesity. <i>ELife</i> , 2017, 6, .	2.8	46
1405	A versatile cell-penetrating peptide-adaptor system for efficient delivery of molecular cargos to subcellular destinations. <i>PLoS ONE</i> , 2017, 12, e0178648.	1.1	23
1406	Biochemical characterization of functional domains of the chaperone Cosmc. <i>PLoS ONE</i> , 2017, 12, e0180242.	1.1	14
1407	E2/ER \hat{I}^2 inhibit ISO-induced cardiac cellular hypertrophy by suppressing Ca ²⁺ -calcineurin signaling. <i>PLoS ONE</i> , 2017, 12, e0184153.	1.1	13
1408	Transcriptomic analyses on muscle tissues of <i>Litopenaeus vannamei</i> provide the first profile insight into the response to low temperature stress. <i>PLoS ONE</i> , 2017, 12, e0178604.	1.1	39

#	ARTICLE	IF	CITATIONS
1409	A mathematical model of calcium dynamics in HSY cells. PLoS Computational Biology, 2017, 13, e1005275.	1.5	18
1410	Structure-Function Relationship of the Voltage-Gated Calcium Channel Cav1.1 Complex. Advances in Experimental Medicine and Biology, 2017, 981, 23-39.	0.8	9
1411	Annexins: Ca ²⁺ Effectors Determining Membrane Trafficking in the Late Endocytic Compartment. Advances in Experimental Medicine and Biology, 2017, 981, 351-385.	0.8	19
1412	Gene Expressions Underlying Mishandled Calcium Clearance and Elevated Generation of Reactive Oxygen Species in the Coronary Artery Smooth Muscle Cells of Chronic Heart Failure Rats. Chinese Medical Journal, 2017, 130, 460-469.	0.9	7
1413	Multimeric CAX complexes and Ca ²⁺ signaling “beyond humdrum housekeeping. Journal of Experimental Botany, 2017, 68, 3997-3999.	2.4	8
1414	SUMOylation and calcium signalling: potential roles in the brain and beyond. Neuronal Signaling, 2017, 1, NS20160010.	1.7	6
1415	Molecular Characterization of Hydrogen Sulfide Role in Vascular System and Method of Endogenous Production Detections with Common Ion Channels Used to Produce Its Biological Effect. Biochemistry & Physiology, 2017, 06, .	0.2	0
1416	Quantitative Nucleotide Level Analysis of Regulation of Translation in Response to Depolarization of Cultured Neural Cells. Frontiers in Molecular Neuroscience, 2017, 10, 9.	1.4	12
1417	Orai1 and Orai3 in Combination with Stim1 Mediate the Majority of Store-operated Calcium Entry in Astrocytes. Experimental Neurobiology, 2017, 26, 42-54.	0.7	45
1418	Native and engineered sensors for Ca ²⁺ and Zn ²⁺ : lessons from calmodulin and MTF1. Essays in Biochemistry, 2017, 61, 237-243.	2.1	7
1419	Study on the role of transient receptor potential C6 channels in esophageal squamous cell carcinoma radiosensitivity. Journal of Thoracic Disease, 2017, 9, 3802-3809.	0.6	4
1420	Antimycobacterial effect of IFNG (interferon gamma)-induced autophagy depends on HMOX1 (heme) Tj ETQq1 1 0.784314 rgBT /Ove PPP3/calcineurin-TFEB (transcription factor EB) axis. Autophagy, 2018, 14, 1-20.	4.3	31
1421	Antioxidant and antibacterial hydroxyapatite-based biocomposite for orthopedic applications. Materials Science and Engineering C, 2018, 88, 13-24.	3.8	72
1422	Calcium ions in aqueous solutions: Accurate force field description aided by <i>ab initio</i> molecular dynamics and neutron scattering. Journal of Chemical Physics, 2018, 148, 222813.	1.2	75
1423	Mycobacterium fortuitum-induced ER-Mitochondrial calcium dynamics promotes calpain/caspase-12/caspase-9 mediated apoptosis in fish macrophages. Cell Death Discovery, 2018, 4, 30.	2.0	27
1424	Comparative Action of Cardiotonic Steroids on Intracellular Processes in Rat Cortical Neurons. Biochemistry (Moscow), 2018, 83, 140-151.	0.7	7
1425	Emerging molecular mechanisms in chemotherapy: Ca ²⁺ signaling at the mitochondria-associated endoplasmic reticulum membranes. Cell Death and Disease, 2018, 9, 334.	2.7	104
1426	Phospholipases play multiple cellular roles including growth, stress tolerance, sexual development, and virulence in fungi. Microbiological Research, 2018, 209, 55-69.	2.5	54

#	ARTICLE	IF	CITATIONS
1427	Intracellular calcium is a rheostat for the STING signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 497-503.	1.0	21
1428	Auto-antibodies against P/Q- and N-type voltage-dependent calcium channels mimicking frontotemporal dementia. <i>SAGE Open Medical Case Reports</i> , 2018, 6, 2050313X1775092.	0.2	10
1429	The expression of <i>Transmembrane Protein 100</i> is regulated by alterations in calcium signaling rather than endoplasmic reticulum stress. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1377-1383.	0.6	2
1430	Spatio-temporal aspects of Ca ²⁺ signalling: lessons from guard cells and pollen tubes. <i>Journal of Experimental Botany</i> , 2018, 69, 4195-4214.	2.4	25
1431	Slow calcium waves mediate furrow microtubule reorganization and germ plasm compaction in the early zebrafish embryo. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	16
1432	Ion Gated Synaptic Transistors Based on 2D van der Waals Crystals with Tunable Diffusive Dynamics. <i>Advanced Materials</i> , 2018, 30, e1800195.	11.1	368
1433	Contactless Stimulation and Control of Biomimetic Nanotubes by Calcium Ion Gradients. <i>Small</i> , 2018, 14, e1703541.	5.2	2
1434	Ion Permeability of a Microtubule in Neuron Environment. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2009-2014.	2.1	18
1435	Calcium as a signal integrator in developing epithelial tissues. <i>Physical Biology</i> , 2018, 15, 051001.	0.8	34
1436	Calcium-dependent potassium channels control proliferation of cardiac progenitor cells and bone marrow-derived mesenchymal stem cells. <i>Journal of Physiology</i> , 2018, 596, 2359-2379.	1.3	16
1437	Targeting AMPK Signaling as a Neuroprotective Strategy in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2018, 8, 161-181.	1.5	89
1438	Instructive microenvironments in skin wound healing: Biomaterials as signal releasing platforms. <i>Advanced Drug Delivery Reviews</i> , 2018, 129, 95-117.	6.6	127
1439	The influence of mineral particles on fibroblast behaviour: A comparative study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 239-251.	2.5	4
1440	CaSiAn: a Calcium Signaling Analyzer tool. <i>Bioinformatics</i> , 2018, 34, 3052-3054.	1.8	14
1441	Intrinsic attenuation of post-irradiation calcium and ER stress imparts significant radioprotection to lepidopteran insect cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 905-911.	1.0	2
1442	Regulatory responses of hepatocytes, macrophages and vascular endothelial cells to magnesium deficiency. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 35-47.	1.9	16
1443	Intracellular calcium signal at the leading edge regulates mesodermal sheet migration during <i>Xenopus</i> gastrulation. <i>Scientific Reports</i> , 2018, 8, 2433.	1.6	25
1444	Modulation mechanisms of voltage-gated calcium channels. <i>Current Opinion in Physiology</i> , 2018, 2, 77-83.	0.9	4

#	ARTICLE	IF	CITATIONS
1445	TMC Proteins Modulate Egg Laying and Membrane Excitability through a Background Leak Conductance in <i>C.Âlegans</i> . <i>Neuron</i> , 2018, 97, 571-585.e5.	3.8	49
1446	The diamond anniversary of tissue transglutaminase: a protein of many talents. <i>Drug Discovery Today</i> , 2018, 23, 575-591.	3.2	38
1447	Calcium Dynamics as a Machine for Decoding Signals. <i>Trends in Cell Biology</i> , 2018, 28, 258-273.	3.6	176
1448	Rotenone exerts developmental neurotoxicity in a human brain spheroid model. <i>Toxicology and Applied Pharmacology</i> , 2018, 354, 101-114.	1.3	102
1449	Calciumâ€MicroRNA Complex-Functionalized Nanotubular Implant Surface for Highly Efficient Transfection and Enhanced Osteogenesis of Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7756-7764.	4.0	20
1450	Salt-bridge modulates differential calcium-mediated ligand binding to integrin Î±1- and Î±2-I domains. <i>Scientific Reports</i> , 2018, 8, 2916.	1.6	15
1451	Doubleâ€stranded RNA targeting calmodulin reveals a potential target for pest management of <i>Nilaparvata lugens</i> . <i>Pest Management Science</i> , 2018, 74, 1711-1719.	1.7	29
1452	Fluorescent Ca ²⁺ indicators directly inhibit the Na,K-ATPase and disrupt cellular functions. <i>Science Signaling</i> , 2018, 11, .	1.6	81
1453	Advances and current challenges in calcium signaling. <i>New Phytologist</i> , 2018, 218, 414-431.	3.5	423
1454	Wave failure at strong coupling in intracellular C^2 system with clustered channels. <i>Physical Review E</i> , 2018, 97, 012406.	0.8	6
1455	Extracellular ATP activates store-operated Ca ²⁺ entry in white adipocytes: functional evidence for STIM1 and ORAI1. <i>Biochemical Journal</i> , 2018, 475, 691-704.	1.7	18
1456	Molecular Mechanisms and Cellular Pathways Implicated in Machado-Joseph Disease Pathogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1049, 349-367.	0.8	18
1457	A Calmodulin C-Lobe Ca ²⁺ -Dependent Switch Governs Kv7 Channel Function. <i>Neuron</i> , 2018, 97, 836-852.e6.	3.8	63
1458	Two-pore channels mediated receptor-operated Ca ²⁺ entry in pulmonary artery smooth muscle cells in response to hypoxia. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 97, 28-35.	1.2	12
1459	Molecular physiology and pathophysiology of stromal interaction molecules. <i>Experimental Biology and Medicine</i> , 2018, 243, 451-472.	1.1	11
1460	Dengue virus induced changes in Ca ²⁺ homeostasis in human hepatic cells that favor the viral replicative cycle. <i>Virus Research</i> , 2018, 245, 17-28.	1.1	31
1461	A search for molecular mechanisms underlying male idiopathic infertility. <i>Reproductive BioMedicine Online</i> , 2018, 36, 327-339.	1.1	135
1462	Dynamics and mechanisms of intracellular calcium waves elicited by tandem bubble-induced jetting flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E353-E362.	3.3	42

#	ARTICLE	IF	CITATIONS
1463	The mitochondrial calcium uniporter complex in trypanosomes. <i>Cell Biology International</i> , 2018, 42, 656-663.	1.4	9
1464	Remodeling of Ca ²⁺ signaling in cancer: Regulation of inositol 1,4,5-trisphosphate receptors through oncogenes and tumor suppressors. <i>Advances in Biological Regulation</i> , 2018, 68, 64-76.	1.4	43
1465	<i>Arabidopsis thaliana</i> rapid alkalization factor 1-mediated root growth inhibition is dependent on calmodulin-like protein 38. <i>Journal of Biological Chemistry</i> , 2018, 293, 2159-2171.	1.6	33
1466	The prokaryotic Na ⁺ /Ca ²⁺ exchanger NCX_Mj transports Na ⁺ and Ca ²⁺ in a 3:1 stoichiometry. <i>Journal of General Physiology</i> , 2018, 150, 51-65.	0.9	27
1467	In vitro electroporation detection methods – An overview. <i>Bioelectrochemistry</i> , 2018, 120, 166-182.	2.4	130
1468	PhoDAGs Enable Optical Control of Diacylglycerol-Sensitive Transient Receptor Potential Channels. <i>Cell Chemical Biology</i> , 2018, 25, 215-223.e3.	2.5	47
1469	Antibody-Based Fusion Proteins Allow Ca ²⁺ Rewiring to Most Extracellular Ligands. <i>ACS Synthetic Biology</i> , 2018, 7, 531-539.	1.9	9
1470	Ratiometric Imaging of Intracellular Mg ²⁺ Dynamics Using a Red Fluorescent Turn-off Probe and a Green Fluorescent Turn-on Probe. <i>Chemistry Letters</i> , 2018, 47, 23-26.	0.7	12
1471	Ca ²⁺ -dependent demethylation of phosphatase PP2Ac promotes glucose deprivation-induced cell death independently of inhibiting glycolysis. <i>Science Signaling</i> , 2018, 11, .	1.6	23
1472	Calcium-Responsive Liposomes via a Synthetic Lipid Switch. <i>Chemistry - A European Journal</i> , 2018, 24, 3599-3607.	1.7	22
1473	GL261 glioma tumor cells respond to ATP with an intracellular calcium rise and glutamate release. <i>Molecular and Cellular Biochemistry</i> , 2018, 446, 53-62.	1.4	20
1474	Multiple calcium patterns of rat osteoblasts under fluidic shear stress. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2039-2051.	1.2	3
1475	Transcriptome assembly and expression profiling of the molecular responses to cadmium toxicity in cerebral ganglia of wolf spider <i>Pardosa pseudoannulata</i> (Araneae: Lycosidae). <i>Ecotoxicology</i> , 2018, 27, 198-208.	1.1	18
1476	Single channel recording of a mitochondrial calcium uniporter. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 127-132.	1.0	11
1477	MIRO-1 Determines Mitochondrial Shape Transition upon GPCR Activation and Ca ²⁺ Stress. <i>Cell Reports</i> , 2018, 23, 1005-1019.	2.9	80
1478	Identification of a novel fused gene family implicates convergent evolution in eukaryotic calcium signaling. <i>BMC Genomics</i> , 2018, 19, 306.	1.2	4
1479	CNVs are associated with genomic architecture in a songbird. <i>BMC Genomics</i> , 2018, 19, 195.	1.2	11
1480	Distinct gating mechanism of SOC channel involving STIM-Orai coupling and an intramolecular interaction of Orai in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4623-E4632.	3.3	13

#	ARTICLE	IF	CITATIONS
1481	Contribution of nitric oxide and protein S-nitrosylation to variation in fresh meat quality. <i>Meat Science</i> , 2018, 144, 135-148.	2.7	41
1482	Conversion of phosphatidylinositol (PI) to PI4-phosphate (PI4P) and then to PI(4,5)P ₂ is essential for the cytosolic Ca ²⁺ concentration under heat stress in <i>Ganoderma lucidum</i> . <i>Environmental Microbiology</i> , 2018, 20, 2456-2468.	1.8	12
1483	On-chip dual enzyme activity assay to investigate regulation of the transamidase and kinase activities of transglutaminase 2. <i>Analytica Chimica Acta</i> , 2018, 1027, 92-100.	2.6	4
1484	Dual-functionalized calcium nanocomplexes for transfection of cancerous and stem cells: Low molecular weight polycation-mediated colloidal stability and ATP-mediated endosomal release. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 64, 300-310.	2.9	1
1485	Interplay of cell death signaling pathways mediated by alternating magnetic field gradient. <i>Cell Death Discovery</i> , 2018, 4, 49.	2.0	25
1486	A molecule-based genetic association approach implicates a range of voltage-gated calcium channels associated with schizophrenia. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2018, 177, 454-467.	1.1	12
1487	Gold nanoparticle-mediated laser stimulation induces a complex stress response in neuronal cells. <i>Scientific Reports</i> , 2018, 8, 6533.	1.6	21
1488	Self-assembled materials and supramolecular chemistry within microfluidic environments: from common thermodynamic states to non-equilibrium structures. <i>Chemical Society Reviews</i> , 2018, 47, 3788-3803.	18.7	119
1489	The sarco(endoplasmic reticulum calcium ATPase SCA-1 regulates the <i>Caenorhabditis elegans</i> nicotinic acetylcholine receptor ACR-16. <i>Cell Calcium</i> , 2018, 72, 104-115.	1.1	5
1490	Effects of cadmium on calcium homeostasis in the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 157, 95-101.	2.9	15
1491	Mediating Short-Term Plasticity in an Artificial Memristive Synapse by the Orientation of Silica Mesopores. <i>Advanced Materials</i> , 2018, 30, e1706395.	11.1	100
1492	Calcium Ion Dynamics in Roots: Imaging and Analysis. <i>Methods in Molecular Biology</i> , 2018, 1761, 115-130.	0.4	7
1493	Anti-allergy activities of Kuji amber extract and kujigamberol. <i>F-terapi</i> , 2018, 127, 263-270.	1.1	18
1494	Calcium Sensing by Recoverin: Effect of Protein Conformation on Ion Affinity. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1613-1619.	2.1	14
1495	Bilobal architecture is a requirement for calmodulin signaling to Ca _v 1.3 channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3026-E3035.	3.3	20
1496	Coordination to lanthanide ions distorts binding site conformation in calmodulin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3126-E3134.	3.3	90
1497	RIPK1 Binds MCU to Mediate Induction of Mitochondrial Ca ²⁺ Uptake and Promotes Colorectal Oncogenesis. <i>Cancer Research</i> , 2018, 78, 2876-2885.	0.4	64
1498	Contribution of membrane receptor signalling to chronic visceral pain. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 98, 10-23.	1.2	29

#	ARTICLE	IF	CITATIONS
1499	The interplay of nanointerface curvature and calcium binding in weak polyelectrolyte-coated nanoparticles. <i>Biomaterials Science</i> , 2018, 6, 1048-1058.	2.6	11
1500	Root Development. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	3
1501	A mechanically activated TRPC1-like current in white adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 736-742.	1.0	6
1502	Beyond the critical point: An overview of excitotoxicity, calcium overload and the downstream consequences. <i>Neuroscience Letters</i> , 2018, 663, 79-85.	1.0	85
1503	Epigenetic DNA methylation changes associated with headache chronification: A retrospective case-control study. <i>Cephalgia</i> , 2018, 38, 312-322.	1.8	25
1504	Additive effect of calcium depletion and low resource quality on <i>Gammarus fossarum</i> (Crustacea, Tj ETQq1 1 0.784314 rgBT _g /Overload	2.7	
1505	Calcium signaling and molecular mechanisms underlying neurodegenerative diseases. <i>Cell Calcium</i> , 2018, 70, 87-94.	1.1	248
1506	Live microbial cells adsorb Mg ²⁺ more effectively than lifeless organic matter. <i>Frontiers of Earth Science</i> , 2018, 12, 160-169.	0.9	8
1507	Evolutionary Cell Biology of Proteins from Protists to Humans and Plants. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 255-289.	0.8	4
1508	Recent progress in the development of organic dye based near-infrared fluorescence probes for metal ions. <i>Coordination Chemistry Reviews</i> , 2018, 354, 74-97.	9.5	280
1509	Differential distribution and function of GABABRs in somato-dendritic and axonal compartments of principal cells and interneurons in cortical circuits. <i>Neuropharmacology</i> , 2018, 136, 80-91.	2.0	22
1510	STAT3-RXR-Nrf2 activates systemic redox and energy homeostasis upon steep decline in pO ₂ gradient. <i>Redox Biology</i> , 2018, 14, 423-438.	3.9	27
1511	Highly selective and sensitive detection of calcium (II) ions in human serum using novel fluorescent carbon dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3425-3433.	4.0	68
1512	Integrative functions of the mitochondrial contact site and cristae organizing system. <i>Seminars in Cell and Developmental Biology</i> , 2018, 76, 191-200.	2.3	45
1513	Ion channels in the regulation of autophagy. <i>Autophagy</i> , 2018, 14, 3-21.	4.3	77
1514	Calcium signaling of in situ chondrocytes in articular cartilage under compressive loading: Roles of calcium sources and cell membrane ion channels. <i>Journal of Orthopaedic Research</i> , 2018, 36, 730-738.	1.2	55
1515	MTA promotes chemotaxis and chemokinesis of immune cells through distinct calcium-sensing receptor signaling pathways. <i>Biomaterials</i> , 2018, 150, 14-24.	5.7	15
1516	The regulation of autophagy by calcium signals: Do we have a consensus?. <i>Cell Calcium</i> , 2018, 70, 32-46.	1.1	189

#	ARTICLE	IF	CITATIONS
1517	The CCAAT box in the proximal SERCA2 gene promoter regulates basal and stress-induced transcription in cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , 2018, 442, 19-28.	1.4	2
1518	Roles of three <i>Fusarium graminearum</i> membrane Ca ²⁺ channels in the formation of Ca ²⁺ signatures, growth, development, pathogenicity and mycotoxin production. <i>Fungal Genetics and Biology</i> , 2018, 111, 30-46.	0.9	24
1519	Predicting plant immunity gene expression by identifying the decoding mechanism of calcium signatures. <i>New Phytologist</i> , 2018, 217, 1598-1609.	3.5	40
1520	Programmable Payload Release from Transient Polymer Microcapsules Triggered by a Specific Ion Coactivation Effect. <i>Journal of the American Chemical Society</i> , 2018, 140, 94-97.	6.6	28
1521	Crystal structure of ryanodine receptor N-terminal domain from <i>Plutella xylostella</i> reveals two potential species-specific insecticide-targeting sites. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 92, 73-83.	1.2	31
1522	Crosslink between calcium and sodium signalling. <i>Experimental Physiology</i> , 2018, 103, 157-169.	0.9	70
1523	Cytosolic aspartate aminotransferase mediates the mitochondrial membrane potential and cell survival by maintaining the calcium homeostasis of BV2 microglia. <i>NeuroReport</i> , 2018, 29, 99-105.	0.6	14
1524	Involvement of glucose related energy crisis and endoplasmic reticulum stress: Insinuation of streptozotocin induced Alzheimer's like pathology. <i>Cellular Signalling</i> , 2018, 42, 211-226.	1.7	35
1525	Expression of potassium-dependent sodium-calcium exchanger in the murine lens. <i>Experimental Eye Research</i> , 2018, 167, 18-24.	1.2	4
1526	A spiropyran with enhanced fluorescence: A bright, photostable and red-emitting calcium sensor. <i>Tetrahedron</i> , 2018, 74, 1240-1244.	1.0	17
1527	Water soluble chemosensor for Ca ²⁺ based on aggregation-induced emission characteristics and its fluorescence imaging in living cells. <i>Dyes and Pigments</i> , 2018, 150, 112-120.	2.0	19
1528	Exposure to a specific time-varying electromagnetic field inhibits cell proliferation via cAMP and ERK signaling in cancer cells. <i>Bioelectromagnetics</i> , 2018, 39, 217-230.	0.9	16
1529	Peptide YY (3â€“36) modulates intracellular calcium through activation of the phosphatidylinositol pathway in hippocampal neurons. <i>Neuropeptides</i> , 2018, 67, 1-8.	0.9	6
1530	Effects of EGTA on cell surface structures of <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , 2018, 200, 281-289.	1.0	5
1531	Modulation of IP3 Receptor Stability and Its Implication in Cell Death and Disease. <i>Messenger (Los Tj ETQqO O O rgBT /Overlock 10 Tf 50</i>	0.3	3
1532	Live-Cell FRET Imaging Reveals a Role of Extracellular Signal-Regulated Kinase Activity Dynamics in Thymocyte Motility. <i>IScience</i> , 2018, 10, 98-113.	1.9	10
1533	Recent advances in the molecular mechanism of mitochondrial calcium uptake. <i>F1000Research</i> , 2018, 7, 1858.	0.8	46
1534	The Trans Golgi Region is a Labile Intracellular Ca ²⁺ Store Sensitive to Emetine. <i>Scientific Reports</i> , 2018, 8, 17143.	1.6	8

#	ARTICLE	IF	CITATIONS
1535	A Radial Microfluidic Array for Studying Single-cell Ca ²⁺ Dynamics Stimulated by Dynamic ATP Signals. , 2018, , .		0
1536	Intravital Two-photon Imaging of Ca ²⁺ signaling in Secretory Organs of Yellow Cameleon Transgenic Mice. Scientific Reports, 2018, 8, 15880.	1.6	6
1537	Evaluation of the neuroprotective effect of EGCG: a potential mechanism of mitochondrial dysfunction and mitochondrial dynamics after subarachnoid hemorrhage. Food and Function, 2018, 9, 6349-6359.	2.1	36
1538	Calcium Signaling Initiated by Agonists in Mesenchymal Stromal Cells from the Human Adipose Tissue. , 0, , .		0
1539	Mineralocorticoid Receptor in Calcium Handling of Vascular Smooth Muscle Cells. , 2018, , .		1
1540	Mitochondria and Heart Disease. , 0, , .		1
1541	E-C coupling structural protein junctophilin-2 encodes a stress-adaptive transcription regulator. Science, 2018, 362, .	6.0	78
1542	SICT: automated detection and supervised inspection of fast Ca ²⁺ transients. Scientific Reports, 2018, 8, 15523.	1.6	6
1543	The Osteogenic Niche Is a Calcium Reservoir of Bone Micrometastases and Confers Unexpected Therapeutic Vulnerability. Cancer Cell, 2018, 34, 823-839.e7.	7.7	93
1544	CellSpecks: A Software for Automated Detection and Analysis of Calcium Channels in Live Cells. Biophysical Journal, 2018, 115, 2141-2151.	0.2	4
1545	Structural basis for activation of plasma-membrane Ca ²⁺ -ATPase by calmodulin. Communications Biology, 2018, 1, 206.	2.0	30
1546	Chemotactic behavior of egg mitochondria in response to sperm fusion in mice. Heliyon, 2018, 4, e00944.	1.4	2
1547	NEUROTOXIC EFFECT OF TITANIUM DIOXIDE NANOPARTICLES: BIOCHEMICAL AND PATHOLOGICAL APPROACH IN MALE WISTAR RATS. International Journal of Applied Pharmaceutics, 2018, 10, 74.	0.3	7
1548	Automating Event-detection of Brain Neuron Synaptic Activity and Action Potential Firing in vivo using a Random-access Multiphoton Laser Scanning Microscope for Real-time Analysis. , 2018, 2018, 1-7.		2
1549	Calcium and Ca ²⁺ /Calmodulin-dependent kinase II as targets for helminth parasite control. Biochemical Society Transactions, 2018, 46, 1743-1751.	1.6	6
1550	Grain Amaranth Is Associated with Improved Hepatic and Renal Calcium Metabolism in Type 2 Diabetes Mellitus of Male Wistar Rats. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-10.	0.5	21
1551	Physiological and pathophysiological implications of hydrogen sulfide: a persuasion to change the fate of the dangerous molecule. Journal of the Chinese Advanced Materials Society, 2018, 6, 434-458.	0.7	11
1552	Low Concentrations of Arsenite Target the Intraluminal Inositol 1, 4, 5-Trisphosphate Receptor/Ryanodine Receptor Crosstalk to Significantly Elevate Intracellular Ca ²⁺ . Journal of Pharmacology and Experimental Therapeutics, 2018, 367, 184-193.	1.3	12

#	ARTICLE	IF	CITATIONS
1553	A vesicular Na ⁺ /Ca ²⁺ exchanger in coral calcifying cells. PLoS ONE, 2018, 13, e0205367.	1.1	34
1554	Mitochondrial calcium signalling and neurodegenerative diseases. Neuronal Signaling, 2018, 2, NS20180061.	1.7	34
1555	Calmodulinopathy: Functional Effects of CALM Mutations and Their Relationship With Clinical Phenotypes. Frontiers in Cardiovascular Medicine, 2018, 5, 176.	1.1	19
1556	Spatially structured cell populations process multiple sensory signals in parallel in intact vascular endothelium. Science Signaling, 2018, 11, .	1.6	34
1557	All three IP ₃ receptor isoforms generate Ca ²⁺ puffs that display similar characteristics. Science Signaling, 2018, 11, .	1.6	53
1558	Analog Signaling With the "Digital" Molecular Switch CaMKII. Frontiers in Computational Neuroscience, 2018, 12, 92.	1.2	0
1559	STIM Proteins and Orai Ca ²⁺ Channels Are Involved in the Intracellular Pathways Activated by TLQP-21 in RAW264.7 Macrophages. Frontiers in Pharmacology, 2018, 9, 1386.	1.6	6
1560	Characterization and influence of hydroxyapatite nanopowders on living cells. Beilstein Journal of Nanotechnology, 2018, 9, 3079-3094.	1.5	44
1561	Botanical Formulation HX109 Ameliorates TP-Induced Benign Prostate Hyperplasia in Rat Model and Inhibits Androgen Receptor Signaling by Upregulating Ca ²⁺ /CaMKK β and ATF3 in LNCaP Cells. Nutrients, 2018, 10, 1946.	1.7	4
1562	Neuroanatomy and Cellular Mechanisms of Sports-Related Concussion and Traumatic Brain Injury. , 2018, , 335-359.		0
1563	Cation-specific interactions of protein surface charges in dilute aqueous salt solutions: a combined study using dielectric relaxation spectroscopy and Raman spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 29306-29313.	1.3	6
1564	Trace Elements in Hair: Relevance to Air Pollution. , 2018, , .		1
1565	Mesenchymal Stem Cells (MSCs) Coculture Protects [Ca ²⁺] _i Orchestrated Oxidant Mediated Damage in Differentiated Neurons In Vitro. Cells, 2018, 7, 250.	1.8	25
1566	Overview of Alterations in Cell Signaling. , 2018, , 221-243.		0
1567	Human Calmodulin Mutations. Frontiers in Molecular Neuroscience, 2018, 11, 396.	1.4	81
1568	Self-limited single nanowire systems combining all-in-one memristive and neuromorphic functionalities. Nature Communications, 2018, 9, 5151.	5.8	115
1569	Calcium-regulated mitochondrial ATP-Mg/P carriers evolved from a fusion of an EF-hand regulatory domain with a mitochondrial ADP/ATP carrier-like domain. IUBMB Life, 2018, 70, 1222-1232.	1.5	11
1570	Into the breach: how cells cope with wounds. Open Biology, 2018, 8, .	1.5	36

#	ARTICLE	IF	CITATIONS
1571	Infection Augments Expression of Mechanosensing Piezo1 Channels in Amyloid Plaque-Reactive Astrocytes. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 332.	1.7	57
1572	M1 Macrophage Polarization Is Dependent on TRPC1-Mediated Calcium Entry. <i>Science</i> , 2018, 8, 85-102.	1.9	50
1573	Bacterial ornithine lipid, a surrogate membrane lipid under phosphate-limiting conditions, plays important roles in bacterial persistence and interaction with host. <i>Environmental Microbiology</i> , 2018, 20, 3992-4008.	1.8	26
1574	Mechanical and cytotoxicity properties of hybrid ceramics filled polyamide 12 filament feedstock for craniofacial bone reconstruction via fused deposition modelling. <i>Dental Materials</i> , 2018, 34, e309-e316.	1.6	45
1575	Signal Detection and Coding in the Accessory Olfactory System. <i>Chemical Senses</i> , 2018, 43, 667-695.	1.1	87
1576	The CCT chaperonin is a novel regulator of Ca ²⁺ signaling through modulation of Orai1 trafficking. <i>Science Advances</i> , 2018, 4, eaau1935.	4.7	16
1577	Visualization of Calcium Ion Loss from Rotavirus during Cell Entry. <i>Journal of Virology</i> , 2018, 92, .	1.5	27
1578	Absence of AIF1L contributes to cell migration and a poor prognosis of breast cancer. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 5485-5498.	1.0	7
1579	Metabolic Plasticity of Tumor Cell Mitochondria. <i>Frontiers in Oncology</i> , 2018, 8, 333.	1.3	74
1580	Extremely low frequency electromagnetic fields promote mesenchymal stem cell migration by increasing intracellular Ca ²⁺ and activating the FAK/Rho GTPases signaling pathways in vitro. <i>Stem Cell Research and Therapy</i> , 2018, 9, 143.	2.4	35
1581	Evidence of selective activation of aryl hydrocarbon receptor nongenomic calcium signaling by pyrene. <i>Biochemical Pharmacology</i> , 2018, 158, 1-12.	2.0	21
1582	The Role of Physical Stimuli on Calcium Channels in Chondrogenic Differentiation of Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2998.	1.8	44
1583	Data-driven modeling of mitochondrial dysfunction in Alzheimer's disease. <i>Cell Calcium</i> , 2018, 76, 23-35.	1.1	11
1584	MerTK signaling in macrophages promotes the synthesis of inflammation resolution mediators by suppressing CaMKII activity. <i>Science Signaling</i> , 2018, 11, .	1.6	97
1585	Calmodulin Enhances Cryptochrome Binding to INAD in Drosophila Photoreceptors. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 280.	1.4	15
1586	Label-free tissue proteomics can classify oral squamous cell carcinoma from healthy tissue in a stage-specific manner. <i>Oral Oncology</i> , 2018, 86, 206-215.	0.8	11
1587	New Insights Into the Role of Cav2 Protein Family in Calcium Flux Deregulation in Fmr1-KO Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 342.	1.4	17
1588	Inhaled calcium salts inhibit tobacco smoke-induced inflammation by modulating expression of chemokines and cytokines. <i>Pulmonary Pharmacology and Therapeutics</i> , 2018, 53, 86-99.	1.1	2

#	ARTICLE	IF	CITATIONS
1589	A New Calmodulin-Binding Protein Expresses in the Context of Secondary Cell Wall Biosynthesis and Impacts Biomass Properties in Populus. <i>Frontiers in Plant Science</i> , 2018, 9, 1669.	1.7	31
1590	Calcium Signaling in Vertebrate Development and Its Role in Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3390.	1.8	20
1591	MicroRNA-132 directs human periodontal ligament-derived neural crest stem cell neural differentiation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 12-24.	1.3	13
1592	New Genomic Approaches to Enhance Biomass Degradation by the Industrial Fungus <i>Trichoderma reesei</i> . <i>International Journal of Genomics</i> , 2018, 2018, 1-17.	0.8	30
1593	Constitutive P2Y2 receptor activity regulates basal lipolysis in human adipocytes. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	17
1594	Genotype effects of glucokinase regulator on lipid profiles and glycemic status are modified by circulating calcium levels: results from the Korean Genome and Epidemiology Study. <i>Nutrition Research</i> , 2018, 60, 96-105.	1.3	4
1595	Organelar TRP channels. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1009-1018.	3.6	41
1596	Cellular Ca ²⁺ Signals Generate Defined pH Signatures in Plants. <i>Plant Cell</i> , 2018, 30, 2704-2719.	3.1	141
1597	The Endothelium: The Vascular Information Exchange. , 0, , .		1
1598	Dendrite Integration Mimicked on Starch-Based Electrolyte-Gated Oxide Dendrite Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40008-40013.	4.0	49
1599	Calcium electroporation for treatment of sarcoma in preclinical studies. <i>Oncotarget</i> , 2018, 9, 11604-11618.	0.8	43
1600	Cyclic Stiffness Modulation of Cell-Loaded Protein-Polymer Hydrogels in Response to User-Specified Stimuli Including Light. <i>Advanced Biology</i> , 2018, 2, 1800240.	3.0	80
1601	The store-operated calcium channels in cancer metastasis from cell migration invasion to metastatic colonization. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 1241-1256.	3.0	58
1602	The exquisitely cooperative nature of Orai1 channel activation. <i>Journal of General Physiology</i> , 2018, 150, 1352-1355.	0.9	8
1603	A Review on Differences in Effects on Normal and Malignant Cells and Tissues to Electroporation-Based Therapies: A Focus on Calcium Electroporation. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381878807.	0.8	29
1604	Structure of the human plasma membrane Ca ²⁺ -ATPase 1 in complex with its obligatory subunit neuroplatin. <i>Nature Communications</i> , 2018, 9, 3623.	5.8	71
1605	Hydrogen peroxide inhibits Ca ²⁺ efflux through plasma membrane Ca ²⁺ -ATPase in mouse parotid acinar cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 215.	0.6	5
1606	Otoprotective Effects of <i>Stephania tetrandra</i> S. Moore Herb Isolate against Acoustic Trauma. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2018, 19, 653-668.	0.9	6

#	ARTICLE	IF	CITATIONS
1607	TRPC6 Channels Are Required for Proliferation, Migration and Invasion of Breast Cancer Cell Lines by Modulation of Orai1 and Orai3 Surface Exposure. <i>Cancers</i> , 2018, 10, 331.	1.7	67
1608	The Hydrophobin HYTLO1 Secreted by the Biocontrol Fungus <i>Trichoderma longibrachiatum</i> Triggers a NAADP-Mediated Calcium Signalling Pathway in <i>Lotus japonicus</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2596.	1.8	33
1609	GhCPK33 Negatively Regulates Defense against <i>Verticillium dahliae</i> by Phosphorylating GhOPR3. <i>Plant Physiology</i> , 2018, 178, 876-889.	2.3	76
1610	CRAC channel-based optogenetics. <i>Cell Calcium</i> , 2018, 75, 79-88.	1.1	25
1611	Both NaCl and H ₂ O ₂ Long-Term Stresses Affect Basal Cytosolic Ca ²⁺ Levels but Only NaCl Alters Cytosolic Ca ²⁺ Signatures in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 1390.	1.7	5
1612	Subcellular Organelles in Immune Responses of Severe Asthma: The Roles of Mitochondria and Endoplasmic Reticulum. , 2018, , .		0
1613	Evidence and perspective for the role of the NLRP3 inflammasome signaling pathway in ischemic stroke and its therapeutic potential (Review). <i>International Journal of Molecular Medicine</i> , 2018, 42, 2979-2990.	1.8	27
1614	Ca ²⁺ signaling and Src-kinases-controlled cellular functions. <i>Archives of Biochemistry and Biophysics</i> , 2018, 650, 59-74.	1.4	19
1615	Effects of Oral Calcium Dosage and Timing on Ethanol-Induced Sensitization of Locomotion in DBA/2 Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1049-1061.	0.6	3
1616	Cancer Cells Co-opt the Neuronal Redox-Sensing Channel TRPA1 to Promote Oxidative-Stress Tolerance. <i>Cancer Cell</i> , 2018, 33, 985-1003.e7.	7.7	184
1617	Adaptive Crystallite Kinetics in Homogenous Bilayer Oxide Memristor for Emulating Diverse Synaptic Plasticity. <i>Advanced Functional Materials</i> , 2018, 28, 1706927.	7.8	140
1618	Genome-wide identification and analysis of MICU genes in land plants and their potential role in calcium stress. <i>Gene</i> , 2018, 670, 174-181.	1.0	5
1619	Calcium signaling and the therapeutic targeting of cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1786-1794.	1.9	126
1620	Blue light excited retinal intercepts cellular signaling. <i>Scientific Reports</i> , 2018, 8, 10207.	1.6	46
1621	Store-operated Calcium Entry Mediated by Orai and STIM. , 2018, 8, 981-1002.		37
1622	Cytogenomic Integrative Network Analysis of the Critical Region Associated with Wolf-Hirschhorn Syndrome. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	6
1623	Adaptive Resistance to EGFR-Targeted Therapy by Calcium Signaling in NSCLC Cells. <i>Molecular Cancer Research</i> , 2018, 16, 1773-1784.	1.5	9
1624	CLCA2 is a positive regulator of store-operated calcium entry and TMEM16A. <i>PLoS ONE</i> , 2018, 13, e0196512.	1.1	27

#	ARTICLE	IF	CITATIONS
1625	Osteoimmunology. , 2018, , 261-282.		1
1626	The role of the mitochondrial calcium uniporter (MCU) complex in cancer. Pflugers Archiv European Journal of Physiology, 2018, 470, 1149-1163.	1.3	81
1627	Inhibition of stromalâ€interacting molecule 1â€mediated storeâ€operated Ca²⁺ entry as a novel strategy for the treatment of acquired imatinibâ€resistant gastrointestinal stromal tumors. Cancer Science, 2018, 109, 2792-2800.	1.7	9
1628	Fertilization and the Signaling of Egg Activation. , 2018, , 368-375.		0
1629	Selenium maintains Ca ²⁺ homeostasis in sheep lymphocytes challenged by oxidative stress. PLoS ONE, 2018, 13, e0201523.	1.1	17
1630	Endometrial response to conceptus-derived estrogen and interleukin-1 ^{Î²} at the time of implantation in pigs. Journal of Animal Science and Biotechnology, 2018, 9, 44.	2.1	56
1631	Effects of Bisphenol A and 4-tert-Octylphenol on Embryo Implantation Failure in Mouse. International Journal of Environmental Research and Public Health, 2018, 15, 1614.	1.2	20
1632	Calcium, a pivotal player in photodynamic therapy?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1805-1814.	1.9	15
1633	Endocytosis, lysosomes, calcium storage and other features of digestive-gland cells in cephalaspidean gastropods (Euopisthobranchia). Journal of Molluscan Studies, 0, , .	0.4	3
1634	The Calcium-Induced Regulation in the Molecular and Transcriptional Circuitry of Human Inflammatory Response and Autoimmunity. Frontiers in Pharmacology, 2017, 8, 962.	1.6	16
1635	Patient-Specific iPSC-Based Models of Huntingtonâ€™s Disease as a Tool to Study Store-Operated Calcium Entry Drug Targeting. Frontiers in Pharmacology, 2018, 9, 696.	1.6	21
1636	Are Polyunsaturated Fatty Acids Implicated in Histaminergic Dysregulation in Bipolar Disorder?: AN HYPOTHESIS. Frontiers in Physiology, 2018, 9, 693.	1.3	2
1637	Aging-related increase in store-operated Ca²⁺ influx in human ventricular fibroblasts. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H83-H91.	1.5	11
1638	Cellular mechanisms and signals that coordinate plasma membrane repair. Cellular and Molecular Life Sciences, 2018, 75, 3751-3770.	2.4	72
1639	Integrative analysis of microRNAs and mRNAs revealed regulation of composition and metabolism in Nelore cattle. BMC Genomics, 2018, 19, 126.	1.2	53
1640	Systems Pharmacological Approach to Investigate the Mechanism of<i> Acori Tatarinowii Rhizoma</i> for Alzheimerâ€™s Disease. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-20.	0.5	20
1641	Calcium-sensing receptor residues with loss- and gain-of-function mutations are located in regions of conformational change and cause signalling bias. Human Molecular Genetics, 2018, 27, 3720-3733.	1.4	23
1642	Blockage of store-operated Ca²⁺ entry antagonizes Epstein–Barr virus-promoted angiogenesis by inhibiting Ca²⁺ signaling-regulated VEGF production in nasopharyngeal carcinoma. Cancer Management and Research, 2018, Volume 10, 1115-1124.	0.9	16

#	ARTICLE	IF	CITATIONS
1643	Translating genetic, biochemical and structural information to the calpain view of development. <i>Mechanisms of Development</i> , 2018, 154, 240-250.	1.7	14
1644	Single SNP- and pathway-based genome-wide association studies for beak deformity in chickens using high-density 600K SNP arrays. <i>BMC Genomics</i> , 2018, 19, 501.	1.2	15
1645	Gingival Periodontal Disease (PD) Level-Butyric Acid Affects the Systemic Blood and Brain Organ: Insights Into the Systemic Inflammation of Periodontal Disease. <i>Frontiers in Immunology</i> , 2018, 9, 1158.	2.2	27
1646	Ionic Mechanism Underlying Rebound Depolarization in Medial Prefrontal Cortex Pyramidal Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 93.	1.8	11
1647	Blue-Light Receptors for Optogenetics. <i>Chemical Reviews</i> , 2018, 118, 10659-10709.	23.0	176
1648	Towards Understanding Plant Calcium Signaling through Calmodulin-Like Proteins: A Biochemical and Structural Perspective. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1331.	1.8	69
1649	Lipophilic Chemicals from Diesel Exhaust Particles Trigger Calcium Response in Human Endothelial Cells via Aryl Hydrocarbon Receptor Non-Genomic Signalling. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1429.	1.8	23
1650	Carbonate Apatite Nanoparticles-Facilitated Intracellular Delivery of siRNA(s) Targeting Calcium Ion Channels Efficiently Kills Breast Cancer Cells. <i>Toxics</i> , 2018, 6, 34.	1.6	12
1651	K15 Protein of Kaposi's Sarcoma Herpesviruses Increases Endothelial Cell Proliferation and Migration through Store-Operated Calcium Entry. <i>Viruses</i> , 2018, 10, 282.	1.5	4
1652	Acidocalcisome-Mitochondrion Membrane Contact Sites in <i>Trypanosoma brucei</i> . <i>Pathogens</i> , 2018, 7, 33.	1.2	25
1653	A V-to-F substitution in SK2 channels causes Ca ²⁺ hypersensitivity and improves locomotion in a <i>C. elegans</i> ALS model. <i>Scientific Reports</i> , 2018, 8, 10749.	1.6	13
1654	Nanoscale membrane actuator for <i>in vitro</i> mechano-stimuli responsive studies of neuronal cell networks on chip. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 085011.	1.5	6
1655	Neuronal calcium signaling via store-operated channels in health and disease. <i>Cell Calcium</i> , 2018, 74, 102-111.	1.1	67
1656	Highly selective, red emitting BODIPY-based fluorescent indicators for intracellular Mg ²⁺ imaging. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7247-7256.	2.9	28
1657	Role of defective Ca ²⁺ signaling in skeletal muscle weakness: Pharmacological implications. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 645-659.	1.8	46
1658	Calcium-Binding Proteins with Disordered Structure and Their Role in Secretion, Storage, and Cellular Signaling. <i>Biomolecules</i> , 2018, 8, 42.	1.8	27
1659	Molecular Basis of Human Sperm Capacitation. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 72.	1.8	162
1660	The Bioelectric Code: Reprogramming Cancer and Aging From the Interface of Mechanical and Chemical Microenvironments. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 21.	1.8	37

#	ARTICLE	IF	CITATIONS
1661	Ion Channel Function During Oocyte Maturation and Fertilization. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 63.	1.8	31
1662	Spatio-temporal dynamics of calcium electrotransfer during cell membrane permeabilization. <i>Drug Delivery and Translational Research</i> , 2018, 8, 1152-1161.	3.0	9
1663	Blocking IP 3 signal transduction pathways inhibits melatonin-induced Ca ²⁺ signals and impairs P. falciparum development and proliferation in erythrocytes. <i>Cell Calcium</i> , 2018, 72, 81-90.	1.1	19
1664	Vascular biosafety of commercial hydroxyapatite particles: discrepancy between blood compatibility assays and endothelial cell behavior. <i>Journal of Nanobiotechnology</i> , 2018, 16, 27.	4.2	27
1665	NCS-1 is a regulator of calcium signaling in health and disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1660-1667.	1.9	49
1666	Calcium-Infiltrated Biphasic Hydroxyapatite Scaffolds for Human Hematopoietic Stem Cell Culture. <i>Tissue Engineering - Part A</i> , 2018, 24, 1563-1573.	1.6	2
1667	A highly selective fluorescence Ca^{2+} sensor for Ca^{2+} based on diarylethene with a triazoloyl hydrazine unit. <i>RSC Advances</i> , 2018, 8, 29295-29300.	1.7	19
1668	Bradykinin-mediated Ca^{2+} signalling regulates cell growth and mobility in human cardiac Ca^{2+} progenitor cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4688-4699.	1.6	11
1669	AtCaM4 interacts with a Sec14-like protein, PATL1, to regulate freezing tolerance in Arabidopsis in a CBF-independent manner. <i>Journal of Experimental Botany</i> , 2018, 69, 5241-5253.	2.4	36
1670	The machineries, regulation and cellular functions of mitochondrial calcium. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 713-730.	16.1	516
1671	INTRACELLULAR CALCIUM OSCILLATIONS IN EXCITABLE AND NONEXCITABLE CELLS: A REVIEW. <i>International Research Journal of Pharmacy</i> , 2018, 9, 42-46.	0.0	0
1672	Calcium signaling and the lytic cycle of the Apicomplexan parasite <i>Toxoplasma gondii</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1846-1856.	1.9	40
1673	Measuring Ligand Binding Kinetics to Membrane Proteins Using Virion Nano-oscillators. <i>Journal of the American Chemical Society</i> , 2018, 140, 11495-11501.	6.6	17
1674	Loss of barrier integrity in alveolar epithelial cells downregulates ENaC expression and activity via Ca^{2+} and TRPV4 activation. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 1615-1631.	1.3	9
1675	Introduction to Cardiovascular Physiology. , 2018, , 29-45.		2
1676	Z-FL-COCHO, a cathepsin S inhibitor, enhances oxaliplatin-mediated apoptosis through the induction of endoplasmic reticulum stress. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-11.	3.2	21
1677	Characterization and potential roles of calretinin in rodent spermatozoa. <i>Cell Calcium</i> , 2018, 74, 94-101.	1.1	2
1678	Molecular dynamics simulation, <i>ab initio</i> calculation, and size-selected anion photoelectron spectroscopy study of initial hydration processes of calcium chloride. <i>Journal of Chemical Physics</i> , 2018, 148, 222839.	1.2	11

#	ARTICLE	IF	CITATIONS
1679	The TRPV4 channel links calcium influx to DDX3X activity and viral infectivity. <i>Nature Communications</i> , 2018, 9, 2307.	5.8	61
1680	Pathophysiological consequences of isoform-specific IP3 receptor mutations. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1707-1717.	1.9	31
1681	Ligation events influence ALG-2 dimerization. <i>Biophysical Chemistry</i> , 2018, 239, 16-28.	1.5	2
1682	Molecular cloning and characterization of a sarco/endoplasmic reticulum Ca ²⁺ ATPase (SERCA) from Y-organs of the blue crab (<i>Callinectes sapidus</i>). <i>Gene</i> , 2018, 673, 12-21.	1.0	10
1683	An open source tool for automatic spatiotemporal assessment of calcium transients and local $\hat{\sigma}$ -signal-close-to-noise™ activity in calcium imaging data. <i>PLoS Computational Biology</i> , 2018, 14, e1006054.	1.5	35
1684	Characterization of Two EF-hand Domain-containing Proteins from <i>Toxoplasma gondii</i> . <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 343-353.	0.8	9
1686	Calcium Cellular Signalling. , 2019, , 315-337.		1
1687	A Bioluminescent Ca ²⁺ Indicator Based on a Topological Variant of GCaMP6s. <i>ChemBioChem</i> , 2019, 20, 516-520.	1.3	45
1688	Lipid Switches: Stimuli-Responsive Liposomes through Conformational Isomerism Driven by Molecular Recognition. <i>Chemistry - A European Journal</i> , 2019, 25, 20-25.	1.7	24
1689	Stores, Channels, Glue, and Trees: Active Glial and Active Dendritic Physiology. <i>Molecular Neurobiology</i> , 2019, 56, 2278-2299.	1.9	21
1690	Regulation of Cell Membrane Transport by Plasma. , 2019, , 173-247.		0
1691	Endoplasmic reticulum stress signalling – from basic mechanisms to clinical applications. <i>FEBS Journal</i> , 2019, 286, 241-278.	2.2	568
1692	Effects of Cysteine-Stabilised Peptide Fraction of Aqueous Extract of <i>Morinda lucida</i> Leaf on Selected Cardiovascular Disease Indices in Mice. <i>Indian Journal of Clinical Biochemistry</i> , 2019, 34, 427-435.	0.9	1
1693	MICU3 is a tissue-specific enhancer of mitochondrial calcium uptake. <i>Cell Death and Differentiation</i> , 2019, 26, 179-195.	5.0	145
1694	Mitochondria-Targeted Drugs. <i>Current Molecular Pharmacology</i> , 2019, 12, 202-214.	0.7	118
1695	Modulation of synaptic plasticity by exercise. <i>International Review of Neurobiology</i> , 2019, 147, 295-322.	0.9	35
1696	Specific Ion Effects of Trivalent Cations on the Structure and Charging State of $\hat{\Gamma}^2$ -Lactoglobulin Adsorption Layers. <i>Langmuir</i> , 2019, 35, 11299-11307.	1.6	17
1697	Concurrent Compression of Phospholipid Membranes by Calcium and Cholesterol. <i>Langmuir</i> , 2019, 35, 11358-11368.	1.6	14

#	ARTICLE	IF	CITATIONS
1698	Tumour growth activation by the central nervous system – An integrative theory of cancer. <i>Stress and Health</i> , 2019, 35, 569-581.	1.4	2
1699	Beyond the CRAC: Diversification of ion signaling in B cells. <i>Immunological Reviews</i> , 2019, 291, 104-122.	2.8	10
1700	Landscape of innate immune system transcriptome and acute T cell – mediated rejection of human kidney allografts. <i>JCI Insight</i> , 2019, 4, .	2.3	30
1701	Next-generation cell lines established from the fall armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera): Tj ETQq1 1 0.784314 rgBT /Overl	0.7	14
1702	Isomeric Tuning Yields Bright and Targetable Red Ca ²⁺ Indicators. <i>Journal of the American Chemical Society</i> , 2019, 141, 13734-13738.	6.6	52
1703	Role of TRPP2 in mouse airway smooth muscle tension and respiration. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L466-L474.	1.3	5
1704	Taurine Attenuates <i>Streptococcus uberis</i> -Induced Bovine Mammary Epithelial Cells Inflammation via Phosphoinositides/Ca ²⁺ Signaling. <i>Frontiers in Immunology</i> , 2019, 10, 1825.	2.2	17
1705	The steroid hormone 20-hydroxyecdysone induces phosphorylation and aggregation of stromal interacting molecule 1 for store-operated calcium entry. <i>Journal of Biological Chemistry</i> , 2019, 294, 14922-14936.	1.6	12
1706	Nutritional Risk Factors, Microbiota and Parkinson – s Disease: What Is the Current Evidence?. <i>Nutrients</i> , 2019, 11, 1896.	1.7	69
1707	Kinins in Glioblastoma Microenvironment. <i>Cancer Microenvironment</i> , 2019, 12, 77-94.	3.1	12
1708	Mechanical strain attenuates cytokine-induced ADAMTS9 expression via transient receptor potential vanilloid type 1. <i>Experimental Cell Research</i> , 2019, 383, 111556.	1.2	13
1709	Cm ³⁺ /Eu ³⁺ induced structural, mechanistic and functional implications for calmodulin. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21213-21222.	1.3	34
1710	NAD-Biosynthetic and Consuming Enzymes as Central Players of Metabolic Regulation of Innate and Adaptive Immune Responses in Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 1720.	2.2	52
1711	PEO coatings design for Mg-Ca alloy for cardiovascular stent and bone regeneration applications. <i>Materials Science and Engineering C</i> , 2019, 105, 110026.	3.8	52
1712	Lactate Induces Pro-tumor Reprogramming in Intratumoral Plasmacytoid Dendritic Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1878.	2.2	85
1713	Calcium: A New Guardian of Naive Pluripotency. <i>Cell Stem Cell</i> , 2019, 25, 169-170.	5.2	0
1714	Cytosolic and mitochondrial Ca ²⁺ concentrations in primary hepatocytes change with ageing and in consequence of an mtDNA mutation. <i>Cell Calcium</i> , 2019, 82, 102055.	1.1	3
1715	Building a synthetic mechanosensitive signaling pathway in compartmentalized artificial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16711-16716.	3.3	98

#	ARTICLE	IF	CITATIONS
1716	Ca ²⁺ Signaling and Homeostasis in Mammalian Oocytes and Eggs. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035162.	2.3	22
1717	New Linear Precursors of cDPR Derivatives as Stable Analogs of cADPR: A Potent Second Messenger with Ca ²⁺ -Modulating Activity Isolated from Sea Urchin Eggs. Marine Drugs, 2019, 17, 476.	2.2	6
1718	Calcium channel blockers reduce severe fever with thrombocytopenia syndrome virus (SFTSV) related fatality. Cell Research, 2019, 29, 739-753.	5.7	81
1719	A calmodulin-gated calcium channel links pathogen patterns to plant immunity. Nature, 2019, 572, 131-135.	13.7	320
1720	Dendritic spine geometry and spine apparatus organization govern the spatiotemporal dynamics of calcium. Journal of General Physiology, 2019, 151, 1017-1034.	0.9	67
1721	Ca ²⁺ Signaling and Regeneration. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035485.	2.3	8
1722	The role of NLRP3 inflammasome activation in radiation damage. Biomedicine and Pharmacotherapy, 2019, 118, 109217.	2.5	50
1723	Biophysical modeling of C. elegans neurons: Single ion currents and whole-cell dynamics of AWCon and RMD. PLoS ONE, 2019, 14, e0218738.	1.1	27
1724	Harnessing the new emerging imaging technologies to uncover the role of Ca ²⁺ signalling in plant nutrient homeostasis. Plant, Cell and Environment, 2019, 42, 2885-2901.	2.8	16
1725	The Emerging Nature of Astrocyte Diversity. Annual Review of Neuroscience, 2019, 42, 187-207.	5.0	309
1726	Efficient luminescent properties and cation recognition ability of heavy group 13 element complexes of N ₂ O ₂ - and N ₂ O ₄ -type dipyrins. Dalton Transactions, 2019, 48, 13169-13175.	1.6	34
1727	Olesoxime in neurodegenerative diseases: Scrutinising a promising drug candidate. Biochemical Pharmacology, 2019, 168, 305-318.	2.0	22
1728	Spectrally filtered passive Si photodiode array for on-chip fluorescence imaging of intracellular calcium dynamics. Scientific Reports, 2019, 9, 9083.	1.6	9
1729	The Effect of Calcium Buffering and Calcium Sensor Type on the Sensitivity of an Array-Based Bitter Receptor Screening Assay. Chemical Senses, 2019, 44, 497-505.	1.1	0
1730	The NLRP3 Inflammasome: An Overview of Mechanisms of Activation and Regulation. International Journal of Molecular Sciences, 2019, 20, 3328.	1.8	1,900
1731	Genetic Contribution to Variation in Blood Calcium, Phosphorus, and Alkaline Phosphatase Activity in Pigs. Frontiers in Genetics, 2019, 10, 590.	1.1	25
1732	Effects of chlorinated polyfluoroalkyl ether sulfonate in comparison with perfluoroalkyl acids on gene profiles and stemness in human mesenchymal stem cells. Chemosphere, 2019, 237, 124402.	4.2	9
1733	Evidence of high Ca uptake by cyanobacteria forming intracellular Ca ₃ and impact on their growth. Geobiology, 2019, 17, 676-690.	1.1	33

#	ARTICLE	IF	CITATIONS
1734	Molecular Dynamics Study of the Changes in Conformation of Calmodulin with Calcium Binding and/or Target Recognition. <i>Scientific Reports</i> , 2019, 9, 10688.	1.6	15
1735	Cadmium exposure induces pancreatic β -cell death via a Ca^{2+} -triggered JNK/CHOP-related apoptotic signaling pathway. <i>Toxicology</i> , 2019, 425, 152252.	2.0	30
1736	Orai1 inhibitor STIM2 β regulates myogenesis by controlling SOCE dependent transcriptional factors. <i>Scientific Reports</i> , 2019, 9, 10794.	1.6	9
1737	<p>Stanniocalcin 2 (STC2) expression promotes post-radiation survival, migration and invasion of nasopharyngeal carcinoma cells</p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 6411-6424.	0.9	19
1738	Metal-Dependent DNAzymes for the Quantitative Detection of Metal Ions in Living Cells: Recent Progress, Current Challenges, and Latest Results on FRET Ratiometric Sensors. <i>Inorganic Chemistry</i> , 2019, 58, 13696-13708.	1.9	62
1739	Evidence-based guidelines for controlling pH in mammalian live-cell culture systems. <i>Communications Biology</i> , 2019, 2, 144.	2.0	169
1740	Apoptosis regulation in the penumbra after ischemic stroke: expression of pro- and antiapoptotic proteins. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 687-702.	2.2	193
1741	Calcium signalling in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 1-2.	2.3	6
1742	Calcium ion implicitly modulates the adsorption ability of ion-dependent type II antifreeze proteins on an ice/water interface: a structural insight. <i>Metallomics</i> , 2019, 11, 1387-1400.	1.0	9
1743	Biological Pathway Specificity in the Cellâ€™Does Molecular Diversity Matter?. <i>BioEssays</i> , 2019, 41, 1800244.	1.2	9
1744	S100 protein family and embryo implantation. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19229-19244.	1.2	8
1745	Molecular Tweezers-like Calix[4]arene Based Alkaline Earth Metal Cation (Ca^{2+}), Tj ETQq1 1 0.784314 rgBT /Overlock 10 T <i>Inorganic Chemistry</i> , 2019, 58, 14720-14727.	1.9	8
1746	Design and Applications of Small Molecular Probes for Calcium Detection. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4493-4505.	1.7	21
1747	Ketamine induced cell death can be mediated by voltage dependent calcium channels in PC12 cells. <i>Experimental and Molecular Pathology</i> , 2019, 111, 104318.	0.9	6
1748	Tiotropium bromide, a long acting muscarinic receptor antagonist triggers intracellular calcium signalling in the heart. <i>Toxicology and Applied Pharmacology</i> , 2019, 384, 114778.	1.3	6
1749	NeurodegenERation: The Central Role for ER Contacts in Neuronal Function and Axonopathy, Lessons From Hereditary Spastic Paraplegias and Related Diseases. <i>Frontiers in Neuroscience</i> , 2019, 13, 1051.	1.4	43
1750	Transcription factor ZFH3 regulates calcium influx in mammary epithelial cells in part via the TRPV6 calcium channel. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 366-371.	1.0	6
1751	Function of crzA in Fungal Development and Aflatoxin Production in <i>Aspergillus flavus</i> . <i>Toxins</i> , 2019, 11, 567.	1.5	10

#	ARTICLE	IF	CITATIONS
1752	Calcium-Calmodulin-Calcineurin Signaling: A Globally Conserved Virulence Cascade in Eukaryotic Microbial Pathogens. <i>Cell Host and Microbe</i> , 2019, 26, 453-462.	5.1	106
1753	Polymerization of sarcoplasmic-reticulum calcium-binding proteins might explain observed reticulum kinetics-on-demand behavior. <i>Journal of Theoretical Biology</i> , 2019, 482, 109986.	0.8	2
1754	Voltage-energized calcium-sensitive ATP production by mitochondria. <i>Nature Metabolism</i> , 2019, 1, 975-984.	5.1	101
1755	Comparison and Mechanism Study on the Difference of Collecting Performance of Horizontal and Vertical Evacuated Collectors. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 310, 022079.	0.2	0
1756	Single-Cell Optogenetic Control of Calcium Signaling with a High-Density Micro-LED Array. <i>IScience</i> , 2019, 21, 403-412.	1.9	20
1757	ABCA7 haplodeficiency disturbs microglial immune responses in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23790-23796.	3.3	43
1758	The scavenger receptor SCARA1 (CD204) recognizes dead cells through spectrin. <i>Journal of Biological Chemistry</i> , 2019, 294, 18881-18897.	1.6	20
1759	Annexins: players of single cell wound healing and regeneration. <i>Communicative and Integrative Biology</i> , 2019, 12, 162-165.	0.6	18
1760	A Matricryptic Conformation of the Integrin-Binding Domain of Fibronectin Regulates Platelet-Derived Growth Factor-Induced Intracellular Calcium Release. <i>Cells</i> , 2019, 8, 1351.	1.8	3
1761	Two-Step Hydrothermal Preparation of Carbon Dots for Calcium Ion Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44566-44572.	4.0	118
1762	A centrosome-localized calcium signal is essential for mammalian cell mitosis. <i>FASEB Journal</i> , 2019, 33, 14602-14610.	0.2	17
1763	Calcium oscillations in blood platelets and their possible role in "interpreting" extracellular information by cells. <i>Physics-Uspekhi</i> , 2019, 62, 660-674.	0.8	3
1764	In Vivo Calcium Imaging in <i>C. elegans</i> Body Wall Muscles. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
1765	The Overcrowded Crossroads: Mitochondria, Alpha-Synuclein, and the Endo-Lysosomal System Interaction in Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5312.	1.8	78
1766	Role of GPCR signaling and calcium dysregulation in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2019, 101, 103414.	1.0	31
1767	Relation between activity-induced intracellular sodium transients and ATP dynamics in mouse hippocampal neurons. <i>Journal of Physiology</i> , 2019, 597, 5687-5705.	1.3	35
1768	The Protective Role of Calbindin-D9k on Endoplasmic Reticulum Stress-Induced Beta Cell Death. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5317.	1.8	1
1769	Shell formation in the giant clam, <i>Tridacna squamosa</i> , may involve an apical Na ⁺ /Ca ²⁺ exchanger 3 homolog in the shell-facing epithelium of the whitish inner mantle, which displays light-enhanced gene and protein expression. <i>Coral Reefs</i> , 2019, 38, 1173-1186.	0.9	11

#	ARTICLE	IF	CITATIONS
1770	Dietary calcium affects body composition and lipid metabolism in rats. <i>PLoS ONE</i> , 2019, 14, e0210760.	1.1	21
1771	Potential role of polycyclic aromatic hydrocarbons as mediators of cardiovascular effects from combustion particles. <i>Environmental Health</i> , 2019, 18, 74.	1.7	110
1772	Photonic Memristor for Future Computing: A Perspective. <i>Advanced Optical Materials</i> , 2019, 7, 1900766.	3.6	130
1773	Divalent cations can control a switch-like behavior in heterotypic and homotypic RNA coacervates. <i>Scientific Reports</i> , 2019, 9, 12161.	1.6	50
1774	Regulation of the Larval Transcriptome of <i>Diatraea saccharalis</i> (Lepidoptera: Crambidae) by Maternal and Other Factors of the Parasitoid <i>Cotesia flavipes</i> (Hymenoptera: Braconidae). <i>Frontiers in Physiology</i> , 2019, 10, 1106.	1.3	8
1775	Composite Conformational Changes of Signaling Proteins upon Ligand Binding Revealed by a Single Approach: Calcium-Calmodulin Study. <i>Analytical Chemistry</i> , 2019, 91, 12560-12567.	3.2	16
1776	Mitochondrial morphology regulates organellar Ca ²⁺ uptake and changes cellular Ca ²⁺ homeostasis. <i>FASEB Journal</i> , 2019, 33, 13176-13188.	0.2	90
1777	Physiological application of nanoparticles in calcium-related proteins and channels. <i>Nanomedicine</i> , 2019, 14, 2479-2486.	1.7	6
1778	A multi-input light-stimulated synaptic transistor for complex neuromorphic computing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12523-12531.	2.7	68
1779	De novo transcriptome profile of coccolithophorid alga <i>Emiliania huxleyi</i> CCMP371 at different calcium concentrations with proteome analysis. <i>PLoS ONE</i> , 2019, 14, e0221938.	1.1	11
1780	Molecular Communication With Anomalous Diffusion in Stochastic Nanonetworks. <i>IEEE Transactions on Communications</i> , 2019, 67, 8378-8393.	4.9	16
1781	Molecular docking analysis of apigenin and quercetin from ethylacetate fraction of <i>Adansonia digitata</i> with malaria-associated calcium transport protein: An in silico approach. <i>Heliyon</i> , 2019, 5, e02248.	1.4	21
1782	Selenium maintains cytosolic Ca ²⁺ homeostasis and preserves germination rates of maize pollen under H ₂ O ₂ -induced oxidative stress. <i>Scientific Reports</i> , 2019, 9, 13502.	1.6	14
1783	Ca ²⁺ Signaling in Cardiac Fibroblasts and Fibrosis-Associated Heart Diseases. <i>Journal of Cardiovascular Development and Disease</i> , 2019, 6, 34.	0.8	44
1784	Proteomic and Transcriptomic Profiling Identifies Early Developmentally Regulated Proteins in <i>Dictyostelium Discoideum</i> . <i>Cells</i> , 2019, 8, 1187.	1.8	9
1785	2D electric-double-layer phototransistor for photoelectronic and spatiotemporal hybrid neuromorphic integration. <i>Nanoscale</i> , 2019, 11, 1360-1369.	2.8	195
1786	In vitro synthesis of the human calcium transporter <i>Letm1</i> within cell-sized liposomes and investigation of its lipid dependency. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 544-548.	1.1	5
1787	Pre-synaptic sympathetic calcium channels, cyclic nucleotide-coupled phosphodiesterases and cardiac excitability. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 20-27.	2.3	8

#	ARTICLE	IF	CITATIONS
1788	Pomegranate activates TFEB to promote autophagy-lysosomal fitness and mitophagy. Scientific Reports, 2019, 9, 727.	1.6	38
1789	Endolysosomal Ca ²⁺ Signalling and Cancer Hallmarks: Two-Pore Channels on the Move, TRPML1 Lags Behind!. Cancers, 2019, 11, 27.	1.7	45
1790	Comparing Transcriptome Profiles of Neurons Interfacing Adjacent Cells and Nanopatterned Substrates Reveals Fundamental Neuronal Interactions. Nano Letters, 2019, 19, 1451-1459.	4.5	15
1791	A ratiometric fluorescent probe for detecting hypochlorite in the endoplasmic reticulum. Chemical Communications, 2019, 55, 2533-2536.	2.2	126
1792	Calcium Signalling. Methods in Molecular Biology, 2019, , .	0.4	2
1793	Measuring Calcium and ROS by Genetically Encoded Protein Sensors and Fluorescent Dyes. Methods in Molecular Biology, 2019, 1925, 183-196.	0.4	3
1794	In Vivo Light Sheet Fluorescence Microscopy of Calcium Oscillations in Arabidopsis thaliana. Methods in Molecular Biology, 2019, 1925, 87-101.	0.4	7
1795	Mitochondrial Calcium Transporters Mediate Sensitivity to Noise-Induced Losses of Hair Cells and Cochlear Synapses. Frontiers in Molecular Neuroscience, 2018, 11, 469.	1.4	47
1796	Bio-realistic synaptic characteristics in the cone-shaped ZnO memristive device. NPG Asia Materials, 2019, 11, .	3.8	55
1797	Methods to Measure Intracellular Ca ²⁺ Concentration Using Ca ²⁺ -Sensitive Dyes. Methods in Molecular Biology, 2019, 1925, 43-58.	0.4	4
1798	Intracellular Calcium Dynamics: Biophysical and Simplified Models. Springer Series in Computational Neuroscience, 2019, , 69-90.	0.3	2
1799	Exploiting Cameleon Probes to Investigate Organelles Ca ²⁺ Handling. Methods in Molecular Biology, 2019, 1925, 15-30.	0.4	2
1800	Dynamic Interactions of Plant CNGC Subunits and Calmodulins Drive Oscillatory Ca ²⁺ Channel Activities. Developmental Cell, 2019, 48, 710-725.e5.	3.1	92
1801	Calcium-Activated Calpain Specifically Cleaves Glutamate Receptor IIA But Not IIB at the <i>Drosophila</i> Neuromuscular Junction. Journal of Neuroscience, 2019, 39, 2776-2791.	1.7	14
1802	Noxious Iron-Induced Calcium Connections in Neurodegeneration. Frontiers in Neuroscience, 2019, 13, 48.	1.4	44
1803	Spatial-temporal patterning of Ca ²⁺ signals by the subcellular distribution of IP ₃ and IP ₃ receptors. Seminars in Cell and Developmental Biology, 2019, 94, 3-10.	2.3	23
1804	Treasure troves of pharmacological tools to study transient receptor potential canonical 1/4/5 channels. British Journal of Pharmacology, 2019, 176, 832-846.	2.7	35
1805	Chronic dysfunction of Stromal interaction molecule by pulsed RNAi induction in fat tissue impairs organismal energy homeostasis in <i>Drosophila</i> . Scientific Reports, 2019, 9, 6989.	1.6	7

#	ARTICLE	IF	CITATIONS
1806	Calcium channels and cancer stem cells. <i>Cell Calcium</i> , 2019, 81, 21-28.	1.1	18
1807	Mitofusin 2, a mitochondria-ER tethering protein, facilitates osteoclastogenesis by regulating the calcium-calcieneurin-NFATc1 axis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 202-208.	1.0	11
1808	Toward a Model for Activation of Orai Channel. <i>IScience</i> , 2019, 16, 356-367.	1.9	24
1809	Alternative splicing and insect ryanodine receptor. <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 102, e21590.	0.6	5
1810	Sphingosine kinase 1 overexpression induces MFN2 fragmentation and alters mitochondrial matrix Ca ²⁺ handling in HeLa cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1475-1486.	1.9	8
1811	Monitoring fluorescent calcium signals in neural cells with organic photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9049-9056.	2.7	7
1812	Calcium signaling regulates fundamental processes involved in Neuroblastoma progression. <i>Cell Calcium</i> , 2019, 82, 102052.	1.1	8
1813	Electrochemical patterns during Drosophila oogenesis: ion-transport mechanisms generate stage-specific gradients of pH and membrane potential in the follicle-cell epithelium. <i>BMC Developmental Biology</i> , 2019, 19, 12.	2.1	13
1814	Triclosan: An Update on Biochemical and Molecular Mechanisms. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-28.	1.9	80
1815	Live cell imaging of signaling and metabolic activities. , 2019, 202, 98-119.		41
1816	Ca ²⁺ signalling plays a role in celestrolâ€mediated suppression of synovial fibroblasts of rheumatoid arthritis patients and experimental arthritis in rats. <i>British Journal of Pharmacology</i> , 2019, 176, 2922-2944.	2.7	57
1817	Molecular Basis for Ligand Modulation of a Mammalian Voltage-Gated Ca ²⁺ Channel. <i>Cell</i> , 2019, 177, 1495-1506.e12.	13.5	172
1818	Antidepressant-Like Effect and Mechanism of Action of Honokiol on the Mouse Lipopolysaccharide (LPS) Depression Model. <i>Molecules</i> , 2019, 24, 2035.	1.7	59
1819	Transmitter and Receiver Architectures for Molecular Communications: A Survey on Physical Design With Modulation, Coding, and Detection Techniques. <i>Proceedings of the IEEE</i> , 2019, 107, 1302-1341.	16.4	106
1820	Alterations in intracellular Ca ²⁺ levels in human endometrial stromal cells after decidualization. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 318-324.	1.0	7
1821	Molecular evolution guided functional analyses reveals Nucleobindin-1 as a canonical E-box binding protein promoting Epithelial-to-Mesenchymal transition (EMT). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 765-775.	1.1	9
1822	SARAF Luminal Domain Structure Reveals a Novel Domain-Swapped Î²-Sandwich Fold Important for SOCE Modulation. <i>Journal of Molecular Biology</i> , 2019, 431, 2869-2883.	2.0	12
1823	The exploration of effect of terfenadine on Ca ²⁺ signaling in renal tubular cells. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 73-79.	1.3	1

#	ARTICLE	IF	CITATIONS
1824	NAADP Receptors. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035071.	2.3	43
1825	CRAC channels regulate astrocyte Ca ²⁺ signaling and gliotransmitter release to modulate hippocampal GABAergic transmission. Science Signaling, 2019, 12, .	1.6	68
1826	Studies of novel bioprobes isolated from rare natural sources using mutant yeasts. Journal of Antibiotics, 2019, 72, 579-589.	1.0	7
1827	Live-Cell Imaging of Physiologically Relevant Metal Ions Using Genetically Encoded FRET-Based Probes. Cells, 2019, 8, 492.	1.8	71
1828	CaMKK2 Signaling in Metabolism and Skeletal Disease: a New Axis with Therapeutic Potential. Current Osteoporosis Reports, 2019, 17, 169-177.	1.5	18
1829	A nitric oxide synthase-like protein from Synechococcus produces NO/NO ₃ from L-arginine and NADPH in a tetrahydrobiopterin- and Ca ²⁺ -dependent manner. Journal of Biological Chemistry, 2019, 294, 10708-10719.	1.6	19
1830	Mechanisms Through Which Some Mitochondria-Generated Metabolites Act as Second Messengers That Are Essential Contributors to the Aging Process in Eukaryotes Across Phyla. Frontiers in Physiology, 2019, 10, 461.	1.3	8
1831	A novel Ca ²⁺ -binding protein influences photosynthetic electron transport in Anabaena sp. PCC 7120. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 519-532.	0.5	12
1832	Calcium Activity Dynamics Correlate with Neuronal Phenotype at a Single Cell Level and in a Threshold-Dependent Manner. International Journal of Molecular Sciences, 2019, 20, 1880.	1.8	4
1833	Terebratulide brachiopod shell biomineralization by mantle epithelial cells. Journal of Structural Biology, 2019, 207, 136-157.	1.3	19
1834	Stanniocalcin-1 and -2 effects on glucose and lipid metabolism in white adipose tissue from fed and fasted rats. Canadian Journal of Physiology and Pharmacology, 2019, 97, 916-923.	0.7	24
1835	Melatonin Affects Mitochondrial Fission/Fusion Dynamics in the Diabetic Retina. Journal of Diabetes Research, 2019, 2019, 1-17.	1.0	32
1836	Vascular defects of DYRK1A knockouts are ameliorated by modulating calcium signaling in zebrafish. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	10
1837	Tracking Conformational Changes in Calmodulin in vitro, in Cell Extract, and in Cells by Electron Paramagnetic Resonance Distance Measurements. ChemPhysChem, 2019, 20, 1860-1868.	1.0	31
1838	Activation of TRPC6 channels contributes to (+)-conocarpan-induced apoptotic cell death in HK-2 cells. Food and Chemical Toxicology, 2019, 129, 281-290.	1.8	11
1839	The key differentially expressed genes and proteins related to immune response in the spleen of pufferfish (Takifugu obscurus) infected by Aeromonas hydrophila. Fish and Shellfish Immunology, 2019, 91, 1-11.	1.6	17
1840	Changes in calcium levels in the endometrium throughout pregnancy and the role of calcium on endometrial gene expression at the time of conceptus implantation in pigs. Molecular Reproduction and Development, 2019, 86, 883-895.	1.0	20
1841	Parvovirus B19 Uncoating Occurs in the Cytoplasm without Capsid Disassembly and It Is Facilitated by Depletion of Capsid-Associated Divalent Cations. Viruses, 2019, 11, 430.	1.5	22

#	ARTICLE	IF	CITATIONS
1842	6- gingerol, an active pungent component of ginger, inhibits L-type Ca ²⁺ current, contractility, and Ca ²⁺ transients in isolated rat ventricular myocytes. <i>Food Science and Nutrition</i> , 2019, 7, 1344-1352.	1.5	22
1843	Molecular understanding of calcium permeation through the open Orai channel. <i>PLoS Biology</i> , 2019, 17, e3000096.	2.6	52
1844	Cell Culture Techniques. <i>Neuromethods</i> , 2019, , .	0.2	3
1845	Dual Sensing of Physiologic pH and Calcium by EFCAB9 Regulates Sperm Motility. <i>Cell</i> , 2019, 177, 1480-1494.e19.	13.5	116
1846	A genetically encoded ratiometric calcium sensor enables quantitative measurement of the local calcium microdomain in the endoplasmic reticulum. <i>Biophysics Reports</i> , 2019, 5, 31-42.	0.2	16
1847	Flexible Transparent Organic Artificial Synapse Based on the Tungsten/Egg Albumen/Indium Tin Oxide/Polyethylene Terephthalate Memristor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18654-18661.	4.0	77
1848	Hydrogen sulfide inhibits Ca ²⁺ -induced mitochondrial permeability transition pore opening in type-1 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E269-E283.	1.8	25
1849	In Vitro Techniques for Assessing Neurotoxicity Using Human iPSC-Derived Neuronal Models. <i>Neuromethods</i> , 2019, , 17-35.	0.2	3
1850	Functional Interaction among KCa and TRP Channels for Cardiovascular Physiology: Modern Perspectives on Aging and Chronic Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1380.	1.8	22
1851	Identification of Zebrafish Calcium Toolkit Genes and their Expression in the Brain. <i>Genes</i> , 2019, 10, 230.	1.0	11
1852	Surface Modifications for Photon-Upconversion-Based Energy-Transfer Nanoprobes. <i>Langmuir</i> , 2019, 35, 5093-5113.	1.6	41
1853	A novel coumarin-based fluorescent sensor for Ca ²⁺ and sequential detection of F ⁺ and its live cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 385-394.	2.0	34
1854	The interaction of SiO ₂ nanoparticles with the neuronal cell membrane: activation of ionic channels and calcium influx. <i>Nanomedicine</i> , 2019, 14, 575-594.	1.7	7
1855	Quercetin confers protection of murine sepsis by inducing macrophage M2 polarization via the TRPM2 dependent calcium influx and AMPK/ATF3 activation. <i>Journal of Functional Foods</i> , 2019, 56, 1-13.	1.6	11
1856	Role of apoplasmic calcium during germination and initial stages of seedling establishment in <i>Vigna radiata</i> seeds. <i>Journal of Plant Physiology</i> , 2019, 236, 66-73.	1.6	8
1857	Lymphatic endothelial cell calcium pulses are sensitive to spatial gradients in wall shear stress. <i>Molecular Biology of the Cell</i> , 2019, 30, 923-931.	0.9	7
1858	Calcium signaling pathway is involved in non-CYP51 azole resistance in <i>Aspergillus fumigatus</i> . <i>Medical Mycology</i> , 2019, 57, S233-S238.	0.3	23
1859	Inhibitor of Sarco/Endoplasmic Reticulum Calcium-ATPase Impairs Multiple Steps of Paramyxovirus Replication. <i>Frontiers in Microbiology</i> , 2019, 10, 209.	1.5	34

#	ARTICLE	IF	CITATIONS
1860	NMR analysis of free and lipid nanodisc anchored CEACAM1 membrane proximal peptides with Ca ²⁺ /CaM. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 787-797.	1.4	5
1861	TRPC-mediated Ca ²⁺ signaling and control of cellular functions. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 28-39.	2.3	24
1862	Therapeutic implications of novel peptides targeting ERâ€™ mitochondria Ca ²⁺ -flux systems. <i>Drug Discovery Today</i> , 2019, 24, 1092-1103.	3.2	21
1863	Molecular Players of EF-hand Containing Calcium Signaling Event in Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1476.	1.8	69
1864	Dissection of Local Ca ²⁺ Signals in Cultured Cells by Membrane-targeted Ca ²⁺ Indicators. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	4
1865	Interrelation of Ca ²⁺ and PE_PGRS proteins during <i>Mycobacterium tuberculosis</i> pathogenesis. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	14
1866	Reaction-diffusion model for STIM-ORAI interaction: The role of ROS and mutations. <i>Journal of Theoretical Biology</i> , 2019, 470, 64-75.	0.8	10
1867	Low Electric Treatment activates Rho GTPase via Heat Shock Protein 90 and Protein Kinase C for Intracellular Delivery of siRNA. <i>Scientific Reports</i> , 2019, 9, 4114.	1.6	15
1868	Calcium Involved Directional Organization of Polymer Chains in Polyester Nanogranules in Bacterial Cells. <i>Scientific Reports</i> , 2019, 9, 3429.	1.6	3
1869	Mechanism for Regulation of Melanoma Cell Death via Activation of Thermo-TRPV4 and TRPV2. <i>Journal of Oncology</i> , 2019, 2019, 1-14.	0.6	28
1870	Combustion Particle-Induced Changes in Calcium Homeostasis: A Contributing Factor to Vascular Disease?. <i>Cardiovascular Toxicology</i> , 2019, 19, 198-209.	1.1	17
1871	Functional Organotypic Cultures of Prostate Tissues. <i>American Journal of Pathology</i> , 2019, 189, 1268-1275.	1.9	11
1872	A Single Approach Reveals the Composite Conformational Changes, Order of Binding, and Affinities for Calcium Binding to Calmodulin. <i>Analytical Chemistry</i> , 2019, 91, 5508-5512.	3.2	26
1873	GRP78/BIP/HSPA5 as a Therapeutic Target in Models of Parkinsonâ€™s Disease: A Mini Review. <i>Advances in Pharmacological Sciences</i> , 2019, 2019, 1-11.	3.7	20
1874	Protein Chimera-based Ca ²⁺ Rewiring as a Treatment Modality for Neurodegeneration. <i>Current Psychopharmacology</i> , 2019, 8, 27-40.	0.1	0
1875	Calcified, top secretion only: epithelial repair in gastric organoids requires calcium mobilization. <i>Journal of Physiology</i> , 2019, 597, 2617-2618.	1.3	2
1876	Physically Transient Memristive Synapse With Short-Term Plasticity Based on Magnesium Oxide. <i>IEEE Electron Device Letters</i> , 2019, 40, 706-709.	2.2	16
1878	Optical approaches for single-cell and subcellular analysis of GPCRâ€™G protein signaling. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4481-4508.	1.9	9

#	ARTICLE	IF	CITATIONS
1879	Electrical stimulation activates calpain 2 and subsequently upregulates collagens via the integrin β 1/TGF- β 1 signaling pathway. <i>Cellular Signalling</i> , 2019, 59, 141-151.	1.7	15
1880	An orange calcium-modulated bioluminescent indicator for non-invasive activity imaging. <i>Nature Chemical Biology</i> , 2019, 15, 433-436.	3.9	37
1881	Review of Transient Receptor Potential Canonical (TRPC5) Channel Modulators and Diseases. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 7589-7602.	2.9	31
1882	BmK NT1-induced neurotoxicity is mediated by PKC/CaMK α -dependent ERK1/2 and p38 activation in primary cultured cerebellar granule cells. <i>Toxicology</i> , 2019, 421, 22-29.	2.0	13
1883	Progress in understanding mitochondrial calcium uniporter complex-mediated calcium signalling: A potential target for cancer treatment. <i>British Journal of Pharmacology</i> , 2019, 176, 1190-1205.	2.7	43
1884	Construction of the FRET Pairs for the Visualization of Mitochondria Membrane Potential in Dual Emission Colors. <i>Analytical Chemistry</i> , 2019, 91, 3704-3709.	3.2	23
1885	A Selectivity Filter Gate Controls Voltage-Gated Calcium Channel Calcium-Dependent Inactivation. <i>Neuron</i> , 2019, 101, 1134-1149.e3.	3.8	37
1886	<p></p>The in vitro and in vivo anti-melanoma effects of hydroxyapatite nanoparticles: influences of material factors</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1177-1191.	3.3	29
1887	Honey-Mediated Wound Healing: H ₂ O ₂ Entry through AQP3 Determines Extracellular Ca ²⁺ Influx. <i>International Journal of Molecular Sciences</i> , 2019, 20, 764.	1.8	44
1888	Structural basis for activity of TRIC counter-ion channels in calcium release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4238-4243.	3.3	26
1889	Molecular Mechanisms of Leucine Zipper EF-Hand Containing Transmembrane Protein-1 Function in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 286.	1.8	20
1890	GECIquant: Semi-automated Detection and Quantification of Astrocyte Intracellular Ca ²⁺ Signals Monitored with GCaMP6f. <i>Springer Series in Computational Neuroscience</i> , 2019, , 455-470.	0.3	7
1891	NaCl- and cold-induced stress activate different Ca ²⁺ -permeable channels in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2019, 87, 217-225.	1.8	9
1892	A mutually induced conformational fit underlies Ca ²⁺ -directed interactions between calmodulin and the proximal C terminus of KCNQ4 K ⁺ channels. <i>Journal of Biological Chemistry</i> , 2019, 294, 6094-6112.	1.6	13
1893	Probing Ca ²⁺ release mechanisms using sea urchin egg homogenates. <i>Methods in Cell Biology</i> , 2019, 151, 445-458.	0.5	3
1894	Early Diabetes Induces Changes in Mitochondrial Physiology of Inner Retinal Neurons. <i>Neuroscience</i> , 2019, 406, 140-149.	1.1	19
1895	Combined use of vitamin E and nimodipine ameliorates dibutyl phthalate-induced memory deficit and apoptosis in mice by inhibiting the ERK 1/2 pathway. <i>Toxicology and Applied Pharmacology</i> , 2019, 368, 1-17.	1.3	12
1896	Tuning the way to die: implications of membrane perturbations in necroptosis. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2019, , 201-247.	0.3	6

#	ARTICLE	IF	CITATIONS
1897	Memory in plants: Boolean modeling of the learning and store/recall memory functions in response to environmental stimuli. <i>Journal of Theoretical Biology</i> , 2019, 467, 123-133.	0.8	12
1898	Ion Channel Permeation and Selectivity. , 0, , 33-63.		4
1899	Selenium-Enriched Pollen Grains of <i>Olea europaea</i> L.: Ca ²⁺ Signaling and Germination Under Oxidative Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 1611.	1.7	10
1900	Amino acid-modulating gold nanoparticle sensor array: an express metal ion recognition system. <i>Analytical Methods</i> , 2019, 11, 5691-5698.	1.3	5
1901	The transcriptome analysis of males musk gland in <i>Moschus berezovskii</i> (<i>Artiodactyla</i> :) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582		4
1902	IDstim helps STIM1 keep inactive via intramolecular binding to the coiled-coil domain in a resting state. <i>Journal of Cell Science</i> , 2019, 133, .	1.2	2
1903	Structural and Mechanistic Insights of CRAC Channel as a Drug Target in Autoimmune Disorder. <i>Current Drug Targets</i> , 2019, 21, 55-75.	1.0	4
1904	Targeting Calcium Signalling in Malignant Mesothelioma. <i>Cancers</i> , 2019, 11, 1839.	1.7	5
1905	Calcium signalling in mammalian cell lines expressing wild type and mutant human α 1-Antitrypsin. <i>Scientific Reports</i> , 2019, 9, 17293.	1.6	3
1906	GPCR-induced calcium transients trigger nuclear actin assembly for chromatin dynamics. <i>Nature Communications</i> , 2019, 10, 5271.	5.8	58
1907	Why Cellular Di/Triphosphates Preferably Bind Mg ²⁺ and Not Ca ²⁺ . <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 6992-7003.	2.3	10
1908	p75NTR and DR6 Regulate Distinct Phases of Axon Degeneration Demarcated by Spheroid Rupture. <i>Journal of Neuroscience</i> , 2019, 39, 9503-9520.	1.7	10
1910	Integration of Abscisic Acid Signaling with Other Signaling Pathways in Plant Stress Responses and Development. <i>Plants</i> , 2019, 8, 592.	1.6	79
1911	The Interplay between Ca ²⁺ Signaling Pathways and Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6004.	1.8	72
1912	Cryo-EM structures of apo and antagonist-bound human Cav3.1. <i>Nature</i> , 2019, 576, 492-497.	13.7	116
1913	Imaging of Intracellular ATP in Organotypic Tissue Slices of the Mouse Brain using the FRET-based Sensor ATeam1.03^{YEMK}. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	4
1914	Sarco/endoplasmic reticulum Ca ²⁺ ATPase (SERCA) transcript abundance in Y-organs and ecdysteroid titer in hemolymph during a molting cycle of the Blue Crab, <i>Callinectes sapidus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 229, 76-80.	0.8	6
1915	Calcium signalling: A common target in neurological disorders and neurogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2019, 95, 25-33.	2.3	42

#	ARTICLE	IF	CITATIONS
1916	Understanding molecular mechanisms in cell signaling through natural and artificial sequence variation. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 25-34.	3.6	28
1917	Spontaneous calcium signaling of cartilage cells: from spatiotemporal features to biophysical modeling. <i>FASEB Journal</i> , 2019, 33, 4675-4687.	0.2	24
1918	Neuronal calcium sensor 1 (NCS1) promotes motility and metastatic spread of breast cancer cells <i>in vitro</i> and <i>in vivo</i> . <i>FASEB Journal</i> , 2019, 33, 4802-4813.	0.2	14
1919	Genetic variants in the calcium signaling pathway genes are associated with cutaneous melanoma-specific survival. <i>Carcinogenesis</i> , 2019, 40, 279-288.	1.3	6
1920	Toxicity of food sweetener-sodium cyclamate on osteoblasts cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 507-511.	1.0	7
1921	STIM1 and Orai1 regulate Ca ²⁺ microdomains for activation of transcription. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1079-1091.	1.9	13
1922	Determination of half maximal inhibitory concentration of CaAl layered double hydroxide on cancer cells and its role in the apoptotic pathway. <i>Applied Clay Science</i> , 2019, 168, 31-35.	2.6	23
1923	Hydrazone covalent adaptable networks modulate extracellular matrix deposition for cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2019, 83, 71-82.	4.1	86
1924	Calcium signalling and breast cancer. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 74-83.	2.3	58
1925	A Copper Nanocluster-Based Fluorescent Probe for Real-Time Imaging and Ratiometric Biosensing of Calcium Ions in Neurons. <i>Analytical Chemistry</i> , 2019, 91, 2488-2497.	3.2	56
1926	Neuronal subcompartmentalization: a strategy to optimize neuronal function. <i>Biological Reviews</i> , 2019, 94, 1023-1037.	4.7	27
1927	A Selective and Cell-Permeable Mitochondrial Calcium Uniporter (MCU) Inhibitor Preserves Mitochondrial Bioenergetics after Hypoxia/Reoxygenation Injury. <i>ACS Central Science</i> , 2019, 5, 153-166.	5.3	112
1928	SR Ca ²⁺ leak in skeletal muscle fibers acts as an intracellular signal to increase fatigue resistance. <i>Journal of General Physiology</i> , 2019, 151, 567-577.	0.9	32
1929	Applications of FLIKA, a Python-based image processing and analysis platform, for studying local events of cellular calcium signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1171-1179.	1.9	15
1930	The enigmatic ATP supply of the endoplasmic reticulum. <i>Biological Reviews</i> , 2019, 94, 610-628.	4.7	38
1931	ORAI1 channel gating and selectivity is differentially altered by natural mutations in the first or third transmembrane domain. <i>Journal of Physiology</i> , 2019, 597, 561-582.	1.3	37
1932	Needle-punched three-dimensional nonwoven wound dressings with density gradient from biocompatible calcium alginate fiber. <i>Textile Research Journal</i> , 2019, 89, 2776-2788.	1.1	9
1933	Real-Time Fluorescence Detection of Calcium Efflux During Vacuolar Membrane Fusion. <i>Methods in Molecular Biology</i> , 2019, 1860, 323-331.	0.4	5

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1934	STIM2 interacts with AMPK and regulates calcium-induced AMPK activation. <i>FASEB Journal</i> , 2019, 33, 2957-2970.	0.2	41
1935	A pH-correctable, DNA-based fluorescent reporter for organellar calcium. <i>Nature Methods</i> , 2019, 16, 95-102.	9.0	115
1936	Mitochondrial Electron Transport Chain Complex Dysfunction in MeCP2 Knock-Down Astrocytes: Protective Effects of Quercetin Hydrate. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 16-27.	1.1	12
1937	Proton leak regulates mitochondrial reactive oxygen species generation in endothelial cell activation and inflammation - A novel concept. <i>Archives of Biochemistry and Biophysics</i> , 2019, 662, 68-74.	1.4	75
1938	Strategies for Coexistence in Molecular Communication. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 51-60.	2.2	9
1939	Proteins Regulating Microvesicle Biogenesis and Multidrug Resistance in Cancer. <i>Proteomics</i> , 2019, 19, e1800165.	1.3	37
1940	Organic chemicals from diesel exhaust particles affects intracellular calcium, inflammation and β_2 -adrenoceptors in endothelial cells. <i>Toxicology Letters</i> , 2019, 302, 18-27.	0.4	10
1941	Regulator of G Protein Signaling Protein 12 (Rgs12) Controls Mouse Osteoblast Differentiation via Calcium Channel/Oscillation and Ca^{2+} -ERK Signaling. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 752-764.	3.1	19
1942	Store-operated calcium entry in thrombosis and thrombo-inflammation. <i>Cell Calcium</i> , 2019, 77, 39-48.	1.1	55
1943	Fenvalerate induces oxidative hepatic lesions through an overload of intracellular calcium triggered by the ERK/IKK/NF- κ B pathway. <i>FASEB Journal</i> , 2019, 33, 2782-2795.	0.2	14
1944	Of local translation control and lipid signaling in neurons. <i>Advances in Biological Regulation</i> , 2019, 71, 194-205.	1.4	8
1945	Research Progress on the Relationship Between Acute Pancreatitis and Calcium Overload in Acinar Cells. <i>Digestive Diseases and Sciences</i> , 2019, 64, 25-38.	1.1	22
1946	Expression of a Constitutively Active Human Insulin Receptor in Hippocampal Neurons Does Not Alter VGCC Currents. <i>Neurochemical Research</i> , 2019, 44, 269-280.	1.6	7
1947	Osteoimmunology. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019, 9, a031245.	2.9	64
1948	Sending mixed signals: Cilia-dependent signaling during development and disease. <i>Developmental Biology</i> , 2019, 447, 28-41.	0.9	64
1949	Release and uptake mechanisms of vesicular Ca^{2+} stores. <i>Protein and Cell</i> , 2019, 10, 8-19.	4.8	76
1950	Regulation of Cancer and Cancer-Related Genes via NAD ⁺ . <i>Antioxidants and Redox Signaling</i> , 2019, 30, 906-923.	2.5	24
1951	Effect of diet with carbohydrate but without daily energy restriction on serum glucose, lactate, and selected mineral and lipid levels in streptozotocin-induced experimental diabetic rats. <i>Archives of Physiology and Biochemistry</i> , 2019, 125, 351-356.	1.0	0

#	ARTICLE	IF	CITATIONS
1952	The intersection of lysosomal and endoplasmic reticulum calcium with autophagy defects in lysosomal diseases. <i>Neuroscience Letters</i> , 2019, 697, 10-16.	1.0	17
1953	New insights into ion channelâ€dependent signalling during leftâ€right patterning. <i>Journal of Physiology</i> , 2020, 598, 1741-1752.	1.3	10
1954	Inducible nitric oxide synthase: Regulation, structure, and inhibition. <i>Medicinal Research Reviews</i> , 2020, 40, 158-189.	5.0	397
1955	Molecular basis of allosteric Orai1 channel activation by STIM1. <i>Journal of Physiology</i> , 2020, 598, 1707-1723.	1.3	55
1956	7-Ketocholesterol and 7Î²-hydroxycholesterol: In vitro and animal models used to characterize their activities and to identify molecules preventing their toxicity. <i>Biochemical Pharmacology</i> , 2020, 173, 113648.	2.0	48
1957	Pre-Ediacaran evolution. , 2020, , 1-26.		1
1958	A study on the mechanism of Ca ²⁺ adsorption on TiO ₂ and Fe ₂ O ₃ with the usage of calcium ion-selective electrode. <i>Chemosphere</i> , 2020, 242, 125162.	4.2	16
1959	Far-red to near-infrared fluorescent probes based on silicon-substituted xanthene dyes for sensing and imaging. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115704.	5.8	24
1960	Calcium-Handling Defects and Neurodegenerative Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035212.	2.3	55
1961	Signaling through Ca ²⁺ Microdomains from Store-Operated CRAC Channels. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035097.	2.3	14
1962	Resveratrol Directly Controls the Activity of Neuronal Ryanodine Receptors at the Single-Channel Level. <i>Molecular Neurobiology</i> , 2020, 57, 422-434.	1.9	5
1963	Opsin 3 is a key regulator of ultraviolet Aâ€induced photoageing in human dermal fibroblast cells. <i>British Journal of Dermatology</i> , 2020, 182, 1228-1244.	1.4	44
1964	A highly efficient introduction system for single cell- ICP-MS and its application to detection of copper in single human red blood cells. <i>Talanta</i> , 2020, 206, 120174.	2.9	73
1965	Fundamentals of Cellular Calcium Signaling: A Primer. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a038802.	2.3	115
1966	Electrochemical and thermodynamic processes of metal nanoclusters enabled biorealistic synapses and leaky-integrate-and-fire neurons. <i>Materials Horizons</i> , 2020, 7, 71-81.	6.4	35
1967	Role of Ca ²⁺ in toll-like receptor 9 activation in human plasmacytoid dendritic cells. <i>Cytokine</i> , 2020, 125, 154822.	1.4	3
1968	Mechanical impact stimulation platform tailored for high-resolution light microscopy. <i>Health and Technology</i> , 2020, 10, 87-99.	2.1	3
1969	Calciumâ€dependent methylation by PRMT1 promotes erythroid differentiation through the p38Î± MAPK pathway. <i>FEBS Letters</i> , 2020, 594, 301-316.	1.3	8

#	ARTICLE	IF	CITATIONS
1970	Development of small molecule inhibitors targeting NLRP3 inflammasome pathway for inflammatory diseases. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111822.	2.6	90
1971	Near-Infrared Fluorescent Probes for Imaging of Intracellular Mg ²⁺ and Application to Multi-Color Imaging of Mg ²⁺ , ATP, and Mitochondrial Membrane Potential. <i>Analytical Chemistry</i> , 2020, 92, 966-974.	3.2	29
1972	Fluorescent Determination of Calcium Ion Using a Coumarinyl Pyrazoline Scaffold and Its Application in Living Cells. <i>Analytical Letters</i> , 2020, 53, 960-972.	1.0	9
1973	Endothelial Cell Calcium Signaling during Barrier Function and Inflammation. <i>American Journal of Pathology</i> , 2020, 190, 535-542.	1.9	115
1974	3D mathematical modeling of calcium signaling in Alzheimer's disease. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2020, 9, 1.	1.2	53
1975	Emerging role of monocytes and their intracellular calcium pattern in spondyloarthritis. <i>Clinica Chimica Acta</i> , 2020, 500, 180-188.	0.5	7
1976	Biosensors for detection of calcium. <i>Methods in Cell Biology</i> , 2020, 155, 337-368.	0.5	12
1977	Rational Design of a Near-Infrared Fluorescence Probe for Ca ²⁺ Based on Phosphorus-Substituted Rhodamines Utilizing Photoinduced Electron Transfer. <i>Chemistry - an Asian Journal</i> , 2020, 15, 524-530.	1.7	14
1978	Store-operated Ca ²⁺ entry-dependent Ca ²⁺ refilling in the endoplasmic reticulum in astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 1003-1008.	1.0	8
1979	Genomic Mechanisms of Physiological and Morphological Adaptations of Limestone Langurs to Karst Habitats. <i>Molecular Biology and Evolution</i> , 2020, 37, 952-968.	3.5	27
1980	Highly specific interaction of monomeric S100P protein with interferon beta. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 633-639.	3.6	18
1981	Amyloid, APP, and Electrical Activity of the Brain. <i>Neuroscientist</i> , 2020, 26, 231-251.	2.6	36
1982	Mitochondrial dysfunctions trigger the calcium signaling-dependent fungal multidrug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1711-1721.	3.3	56
1983	Ca ²⁺ signalling in fibroblasts and the therapeutic potential of KCa3.1 channel blockers in fibrotic diseases. <i>British Journal of Pharmacology</i> , 2020, 177, 1003-1024.	2.7	23
1984	Subtype specific targeting of calcium signaling in breast cancer. <i>Cell Calcium</i> , 2020, 85, 102109.	1.1	33
1985	A quantitative single-cell assay for retrograde membrane traffic enables rapid detection of defects in cellular organization. <i>Molecular Biology of the Cell</i> , 2020, 31, 511-519.	0.9	11
1986	Thyroid disrupting chemicals and developmental neurotoxicity – New tools and approaches to evaluate hormone action. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110663.	1.6	14
1987	The infarction zone rather than the noninfarcted remodeling zone overexpresses angiotensin II receptor type 1 and is the main source of ventricular atrial natriuretic peptide. <i>Cardiovascular Pathology</i> , 2020, 44, 107160.	0.7	3

#	ARTICLE	IF	CITATIONS
1988	Ca ²⁺ -Calcineurin Axis Controlled NFAT Nuclear Translocation Is Crucial for Optimal T Cell Immunity in an Early Vertebrate. <i>Journal of Immunology</i> , 2020, 204, 569-585.	0.4	24
1989	Wolfram syndrome: a monogenic model for diabetes mellitus and neurodegeneration. <i>Current Opinion in Physiology</i> , 2020, 17, 115-123.	0.9	19
1990	Plant Cyclic Nucleotide-Gated Channels: New Insights on Their Functions and Regulation. <i>Plant Physiology</i> , 2020, 184, 27-38.	2.3	55
1991	Regulation and function of calcium in the cilium. <i>Current Opinion in Physiology</i> , 2020, 17, 278-283.	0.9	0
1992	Tobacco Smoke Exposure Exacerbated Crystalline Silica-Induced Lung Toxicity in Rats. <i>Toxicological Sciences</i> , 2020, 178, 375-390.	1.4	12
1993	Purinergic Receptors in Basal Ganglia Diseases: Shared Molecular Mechanisms between Huntington's and Parkinson's Disease. <i>Neuroscience Bulletin</i> , 2020, 36, 1299-1314.	1.5	24
1994	Lactate Elicits ER-Mitochondrial Mg ²⁺ Dynamics to Integrate Cellular Metabolism. <i>Cell</i> , 2020, 183, 474-489.e17.	13.5	84
1995	SpiCee: A Genetic Tool for Subcellular and Cell-Specific Calcium Manipulation. <i>Cell Reports</i> , 2020, 32, 107934.	2.9	16
1996	Binding of divalent cations to acetate: molecular simulations guided by Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24014-24027.	1.3	28
1997	M6A RNA Methylation Regulator HNRNPC Contributes to Tumorigenesis and Predicts Prognosis in Glioblastoma Multiforme. <i>Frontiers in Oncology</i> , 2020, 10, 536875.	1.3	44
1998	Ca ²⁺ Release via IP ₃ Receptors Shapes the Cardiac Ca ²⁺ Transient for Hypertrophic Signaling. <i>Biophysical Journal</i> , 2020, 119, 1178-1192.	0.2	13
1999	Primary Cilia and Calcium Signaling Interactions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7109.	1.8	19
2000	Decoding the rosetta stone of mitonuclear communication. <i>Pharmacological Research</i> , 2020, 161, 105161.	3.1	33
2001	A cytosolically localized far-red to near-infrared rhodamine-based fluorescent probe for calcium ions. <i>Analyst</i> , 2020, 145, 7736-7740.	1.7	11
2002	A novel strategy for tumor therapy: targeted, PAA-functionalized nano-hydroxyapatite nanomedicine. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9589-9600.	2.9	15
2003	Early Metazoan Origin and Multiple Losses of a Novel Clade of RIM Presynaptic Calcium Channel Scaffolding Protein Homologs. <i>Genome Biology and Evolution</i> , 2020, 12, 1217-1239.	1.1	7
2004	Identification of BBOX1 as a Therapeutic Target in Triple-Negative Breast Cancer. <i>Cancer Discovery</i> , 2020, 10, 1706-1721.	7.7	35
2005	Transcriptomic exploration of genes related to the formation of archeospores in <i>Pyropia yezoensis</i> (Rhodophyta). <i>Journal of Applied Phycology</i> , 2020, 32, 3295-3304.	1.5	7

#	ARTICLE	IF	CITATIONS
2006	Redox and mTOR-dependent regulation of plasma lamellar calcium influx controls the senescence-associated secretory phenotype. <i>Experimental Biology and Medicine</i> , 2020, 245, 1560-1570.	1.1	5
2007	Bibliometric analysis of calcium channel research (2010–2019). <i>Channels</i> , 2020, 14, 193-202.	1.5	7
2008	Surviving nutritional deprivation during development: neuronal intracellular calcium signaling is critical. <i>International Journal of Developmental Biology</i> , 2020, 64, 239-246.	0.3	0
2009	CFTR is a negative regulator of $\hat{I}^3\hat{I}$ T cell IFN- \hat{I}^3 production and antitumor immunity. <i>Cellular and Molecular Immunology</i> , 2020, 18, 1934-1944.	4.8	5
2010	MG53 suppresses interferon- \hat{I}^2 and inflammation via regulation of ryanodine receptor-mediated intracellular calcium signaling. <i>Nature Communications</i> , 2020, 11, 3624.	5.8	32
2011	Quercetin Disaggregates Prion Fibrils and Decreases Fibril-Induced Cytotoxicity and Oxidative Stress. <i>Pharmaceutics</i> , 2020, 12, 1081.	2.0	4
2012	Physiological and toxicological considerations. , 2020, , 111-226.		1
2013	Magnesium and inflammation: Advances and perspectives. <i>Seminars in Cell and Developmental Biology</i> , 2021, 115, 37-44.	2.3	63
2014	Perforated Vesicles of ABA Triblock Copolymers with ON/OFF-Switchable Nanopores. <i>Macromolecules</i> , 2020, 53, 10582-10590.	2.2	8
2015	Up-regulation of calmodulin involved in the stress response to cyantraniliprole in the whitefly, <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae). <i>Insect Science</i> , 2020, 28, 1745-1755.	1.5	7
2016	Comprehensive analysis of elemental distribution in human skin using laser ablation inductively coupled plasma mass spectrometry. <i>Skin Research and Technology</i> , 2020, 27, 576-581.	0.8	2
2017	In Vitro Study of Calcium Microsecond Electroporation of Prostate Adenocarcinoma Cells. <i>Molecules</i> , 2020, 25, 5406.	1.7	11
2018	The Paradox of Astroglial Ca ²⁺ Signals at the Interface of Excitation and Inhibition. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 609947.	1.8	24
2019	Vibration enhanced cell growth induced by surface acoustic waves as in vitro wound-healing model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31603-31613.	3.3	23
2020	Heterotrimeric G Protein Subunit G \hat{I}^q Is a Master Switch for G $\hat{I}^2\hat{I}^3$ -Mediated Calcium Mobilization by Gi-Coupled GPCRs. <i>Molecular Cell</i> , 2020, 80, 940-954.e6.	4.5	54
2021	Calcium and cell function. <i>Journal of Physiology</i> , 2020, 598, 1647-1648.	1.3	14
2022	Cellular and humoral immune interactions between <i>Drosophila</i> and its parasitoids. <i>Insect Science</i> , 2021, 28, 1208-1227.	1.5	29
2023	Mineral trioxide aggregate suppresses pro-inflammatory cytokine expression via the calcineurin/nuclear factor of activated T cells/early growth response 2 pathway in lipopolysaccharide-stimulated macrophages. <i>International Endodontic Journal</i> , 2020, 53, 1653-1665.	2.3	5

#	ARTICLE	IF	CITATIONS
2024	Inflammatory and lipid regulation by cholinergic activity in epicardial stromal cells from patients who underwent open heart surgery. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 10958-10969.	1.6	12
2025	Peripheral Sensitization. , 2020, , .		6
2026	Mitochondrial Ca ²⁺ regulation in the etiology of heart failure: physiological and pathophysiological implications. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1301-1309.	2.8	51
2027	Dual Transport of Active Substances with a Layer-by-Layer-Based Drug Delivery System to Terminate Inflammatory Processes. <i>Macromolecular Bioscience</i> , 2020, 20, 2000097.	2.1	5
2028	A Little AXER ABC: ATP, BiP, and Calcium Form a Triumvirate Orchestrating Energy Homeostasis of the Endoplasmic Reticulum. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2020, 3, 251525642092679.	0.4	7
2029	Huangkui Capsule Ameliorates Renal Fibrosis in a Unilateral Ureteral Obstruction Mouse Model Through TRPC6 Dependent Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2020, 11, 996.	1.6	17
2030	Minireview Exploring the Biological Cycle of Vitamin B3 and Its Influence on Oxidative Stress: Further Molecular and Clinical Aspects. <i>Molecules</i> , 2020, 25, 3323.	1.7	19
2031	Redox regulation of the mitochondrial calcium transport machinery. <i>Current Opinion in Physiology</i> , 2020, 17, 138-148.	0.9	1
2032	Effect of chlorogenic acid on controlling kiwifruit postharvest decay caused by <i>Diaporthe</i> sp.. <i>LWT - Food Science and Technology</i> , 2020, 132, 109805.	2.5	26
2033	Co-targeting Mitochondrial Ca ²⁺ Homeostasis and Autophagy Enhances Cancer Cells' Chemosensitivity. <i>iScience</i> , 2020, 23, 101263.	1.9	8
2034	Dysregulation of RyR Calcium Channel Causes the Onset of Mitochondrial Retrograde Signaling. <i>iScience</i> , 2020, 23, 101370.	1.9	8
2035	Dihydroartemisinin exposure impairs porcine ovarian granulosa cells by activating PERK-eIF2 γ -ATF4 through endoplasmic reticulum stress. <i>Toxicology and Applied Pharmacology</i> , 2020, 403, 115159.	1.3	7
2036	A practical guide to biologically relevant molecular simulations with charge scaling for electronic polarization. <i>Journal of Chemical Physics</i> , 2020, 153, 050901.	1.2	63
2037	Development of an L-type Ca ²⁺ channel-dependent Ca ²⁺ transient during the radial migration of cortical excitatory neurons. <i>Neuroscience Research</i> , 2020, 169, 17-26.	1.0	8
2038	Tether Me, Tether Me Not – Dynamic Organelle Contact Sites in Metabolic Rewiring. <i>Developmental Cell</i> , 2020, 54, 212-225.	3.1	46
2039	Third-Generation Solar Cells: Toxicity and Risk of Exposure. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000074.	1.0	18
2040	Orai3: Oncochannel with therapeutic potential. <i>Cell Calcium</i> , 2020, 90, 102247.	1.1	20
2041	GPCR mediated control of calcium dynamics: A systems perspective. <i>Cellular Signalling</i> , 2020, 74, 109717.	1.7	29

#	ARTICLE	IF	CITATIONS
2042	Synthesis and Functions of Oligomeric and Multidentate Dipyrin Derivatives and their Complexes. <i>Synlett</i> , 2020, 31, 1663-1680.	1.0	2
2043	Altered Organelle Calcium Transport in Ovarian Physiology and Cancer. <i>Cancers</i> , 2020, 12, 2232.	1.7	6
2044	De novo transcriptome assembly and functional annotation for Y-organs of the blue crab (<i>Callinectes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 TF Endocrinology, 2020, 298, 113567.	0.8	7
2045	Differential regulation of enzyme activities and physio-anatomical aspects of calcium nutrition in grapevine. <i>Scientia Horticulturae</i> , 2020, 272, 109423.	1.7	14
2046	Photothermogenetic inhibition of cancer stemness by near-infrared-light-activatable nanocomplexes. <i>Nature Communications</i> , 2020, 11, 4117.	5.8	30
2047	Calcium signaling and epigenetics: A key point to understand carcinogenesis. <i>Cell Calcium</i> , 2020, 91, 102285.	1.1	18
2048	Minimal contribution of IP3R2 in cardiac differentiation and derived ventricular-like myocytes from human embryonic stem cells. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1576-1586.	2.8	4
2049	Cyclosporin A Administration During Ex Vivo Lung Perfusion Preserves Lung Grafts in Rat Transplant Model. <i>Transplantation</i> , 2020, 104, e252-e259.	0.5	12
2050	Calcineurin. <i>Cell Communication and Signaling</i> , 2020, 18, 137.	2.7	79
2051	3D In Vitro Neuron on a Chip for Probing Calcium Mechanostimulation. <i>Advanced Biology</i> , 2020, 4, e2000080.	3.0	3
2052	PGRS Domain of Rv0297 of <i>Mycobacterium tuberculosis</i> Is Involved in Modulation of Macrophage Functions to Favor Bacterial Persistence. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 451.	1.8	16
2053	Manganese-enhanced MRI (MEMRI) in breast and prostate cancers: Preliminary results exploring the potential role of calcium receptors. <i>PLoS ONE</i> , 2020, 15, e0224414.	1.1	4
2054	Simulation of hypoxia of myocardial cells in microfluidic systems. <i>Scientific Reports</i> , 2020, 10, 15524.	1.6	3
2055	Functional maintenance of calcium store by ShcB adaptor protein in cerebellar Purkinje cells. <i>Scientific Reports</i> , 2020, 10, 14475.	1.6	3
2056	Pseudo-Membrane Jackets: Two-Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie</i> , 2020, 132, 18087-18093.	1.6	7
2057	Design and Application of a Rotatory Device for Detecting Transient Ca ²⁺ Signals in Response to Mechanical Stimulation Using an Aequorin-Based Ca ²⁺ Imaging System. <i>Current Protocols in Plant Biology</i> , 2020, 5, e20116.	2.8	0
2058	Extracellular Vesicles Derived from Human Umbilical Cord Mesenchymal Stem Cells Protect Liver Ischemia/Reperfusion Injury by Reducing CD154 Expression on CD4+ T Cells via CCT2. <i>Advanced Science</i> , 2020, 7, 1903746.	5.6	56
2059	Calcium, Bioenergetics, and Parkinson's Disease. <i>Cells</i> , 2020, 9, 2045.	1.8	46

#	ARTICLE	IF	CITATIONS
2060	Nontrivial amplification below the threshold for excitable cell signaling. <i>Physical Review E</i> , 2020, 102, 032409.	0.8	3
2061	CaMKK2 is inactivated by cAMP-PKA signaling and 14-3-3 adaptor proteins. <i>Journal of Biological Chemistry</i> , 2020, 295, 16239-16250.	1.6	24
2062	G protein-coupled receptors function as cell membrane receptors for the steroid hormone 20-hydroxyecdysone. <i>Cell Communication and Signaling</i> , 2020, 18, 146.	2.7	23
2063	Downhill (Un)Folding Coupled to Binding as a Mechanism for Engineering Broadband Protein Conformational Transducers. <i>ACS Synthetic Biology</i> , 2020, 9, 2427-2439.	1.9	3
2064	Interferon Beta Activity Is Modulated via Binding of Specific S100 Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9473.	1.8	13
2066	Calsequestrin: a well-known but curious protein in skeletal muscle. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1908-1925.	3.2	15
2067	ER Mitochondria Contacts and Insulin Resistance Modulation through Exercise Intervention. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9587.	1.8	10
2068	Multiple Imaging Modalities for Cell-Cell Communication via Calcium Mobilizations in Corneal Epithelial Cells. <i>Methods in Molecular Biology</i> , 2020, 2346, 11-20.	0.4	3
2069	Cytosolic and intra-organelle Ca ²⁺ oscillations: mechanisms and function. <i>Current Opinion in Physiology</i> , 2020, 17, 175-186.	0.9	1
2070	A Survey of Biological Building Blocks for Synthetic Molecular Communication Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2020, 22, 2765-2800.	24.8	31
2071	A novel secretogogin/ATF4 pathway is involved in oxidized LDL-induced endoplasmic reticulum stress and islet β -cell apoptosis. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 53, 54-62.	0.9	4
2072	The Two-Way Relationship Between Calcium and Metabolism in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 573747.	1.8	27
2073	Characterization of AMBN I and II Isoforms and Study of Their Ca ²⁺ -Binding Properties. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9293.	1.8	9
2074	A Review of Bioactive Glass/Natural Polymer Composites: State of the Art. <i>Materials</i> , 2020, 13, 5560.	1.3	86
2075	A Novel Bioactive Glass Containing Therapeutic Ions with Enhanced Biocompatibility. <i>Materials</i> , 2020, 13, 4600.	1.3	13
2076	Glycine Receptor Inhibition Differentially Affects Selected Neuronal Populations of the Developing Embryonic Cortex, as Evidenced by the Analysis of Spontaneous Calcium Oscillations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8013.	1.8	2
2077	The Emerging Role of LHB CaMKII in the Comorbidity of Depressive and Alcohol Use Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8123.	1.8	7
2078	Integrating Bioelectrical Currents and Ca ²⁺ Signaling with Biochemical Signaling in Development and Pathogenesis. <i>Bioelectricity</i> , 2020, 2, 210-220.	0.6	3

#	ARTICLE	IF	CITATIONS
2079	Optogenetic approaches to control Ca ²⁺ -modulated physiological processes. <i>Current Opinion in Physiology</i> , 2020, 17, 187-196.	0.9	17
2080	Cells Involved in Mechanotransduction Including Mesenchymal Stem Cells. , 2020, , 311-332.		2
2081	Calcium signaling modulates the dynamics of cilia and flagella. <i>European Biophysics Journal</i> , 2020, 49, 619-631.	1.2	4
2082	Regulation of chemoconvulsant-induced seizures by store-operated Orai1 channels. <i>Journal of Physiology</i> , 2020, 598, 5391-5409.	1.3	9
2083	Precipitation of Inorganic Salts in Mitochondrial Matrix. <i>Membranes</i> , 2020, 10, 81.	1.4	8
2084	Mitochondrial retrograde signalling in neurological disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190415.	1.8	21
2085	Cytoskeletal Disruption after Electroporation and Its Significance to Pulsed Electric Field Therapies. <i>Cancers</i> , 2020, 12, 1132.	1.7	46
2086	The Ryanodine Receptor Contributes to the Lysophosphatidylcholine-Induced Mineralization in Valvular Interstitial Cells. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 316-327.	0.7	4
2087	The binding of the APT1 domains to phosphoinositides is regulated by metal ions in vitro. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183349.	1.4	17
2088	Ca ²⁺ plays an antiviral role by increasing p53 expression to achieve protection against spring viraemia of carp virus infection. <i>Fish and Shellfish Immunology</i> , 2020, 102, 449-459.	1.6	2
2089	Characterization of Calcium Ion Release from a Polymer-Coated Electrode with a Plasticized PVC Membrane Containing Calcium Salts, and Its Contraction Examination of <i>Vorticella Convallaria</i> . <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 655-662.	2.0	1
2090	Protein kinase CK2 impact on intracellular calcium homeostasis in prostate cancer. <i>Molecular and Cellular Biochemistry</i> , 2020, 470, 131-143.	1.4	10
2091	TESC Promotes TGF- β /EGFR-FOXM1-Mediated Tumor Progression in Cholangiocarcinoma. <i>Cancers</i> , 2020, 12, 1105.	1.7	11
2092	<i>Entamoeba histolytica</i> and pathogenesis: A calcium connection. <i>PLoS Pathogens</i> , 2020, 16, e1008214.	2.1	19
2093	Advances in imaging of understudied ions in signaling: A focus on magnesium. <i>Current Opinion in Chemical Biology</i> , 2020, 57, 27-33.	2.8	18
2094	The role of L-type calcium channels in neuronal excitability and aging. <i>Neurobiology of Learning and Memory</i> , 2020, 173, 107230.	1.0	10
2095	The formin INF2 in disease: progress from 10 years of research. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4581-4600.	2.4	25
2096	The Role of Ca ²⁺ -NFATc1 Signaling and Its Modulation on Osteoclastogenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3646.	1.8	47

#	ARTICLE	IF	CITATIONS
2097	Tonic NMDA receptor signalling shapes endosomal organisation in mammalian cells. <i>Scientific Reports</i> , 2020, 10, 9315.	1.6	3
2098	Transcriptional changes of Pacific oyster <i>Crassostrea gigas</i> reveal essential role of calcium signal pathway in response to CO ₂ -driven acidification. <i>Science of the Total Environment</i> , 2020, 741, 140177.	3.9	26
2099	Ca ²⁺ efflux is negatively correlated with apple firmness. <i>Scientia Horticulturae</i> , 2020, 270, 109439.	1.7	2
2100	Dibutyl phthalate rapidly alters calcium homeostasis in the gills of <i>Danio rerio</i> . <i>Chemosphere</i> , 2020, 258, 127408.	4.2	8
2101	Sex-specific maternal calcium requirements for the prevention of nonalcoholic fatty liver disease by altering the intestinal microbiota and lipid metabolism in the high-fat-diet-fed offspring mice. <i>Gut Microbes</i> , 2020, 11, 1590-1607.	4.3	6
2102	MGP Promotes Colon Cancer Proliferation by Activating the NF- κ B Pathway through Upregulation of the Calcium Signaling Pathway. <i>Molecular Therapy - Oncolytics</i> , 2020, 17, 371-383.	2.0	26
2103	Salt Stress Signals on Demand: Cellular Events in the Right Context. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3918.	1.8	19
2104	LUM Expression and Its Prognostic Significance in Gastric Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 605.	1.3	37
2105	Endoplasmic reticulum stress mediated apoptosis via JNK in MWCNT-exposed <i>in vitro</i> systems: size, surface functionalization and cell type specificity. <i>Journal of Toxicological Sciences</i> , 2020, 45, 305-317.	0.7	5
2106	Vitamin E Blocks Connexin Hemichannels and Prevents Deleterious Effects of Glucocorticoid Treatment on Skeletal Muscles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4094.	1.8	14
2107	LncRNA FOXC2-AS1 enhances FOXC2 mRNA stability to promote colorectal cancer progression via activation of Ca ²⁺ -FAK signal pathway. <i>Cell Death and Disease</i> , 2020, 11, 434.	2.7	35
2108	Structural Studies of Glutamate Dehydrogenase (Isoform 1) From <i>Arabidopsis thaliana</i> , an Important Enzyme at the Branch-Point Between Carbon and Nitrogen Metabolism. <i>Frontiers in Plant Science</i> , 2020, 11, 754.	1.7	30
2109	Calcium ions tune the beats of cilia and flagella. <i>BioSystems</i> , 2020, 196, 104172.	0.9	5
2110	<i>Schistosoma mansoni</i> sarco/endoplasmic reticulum Ca ²⁺ ATPases (SERCA): role in reduced sensitivity to praziquantel. <i>Journal of Bioenergetics and Biomembranes</i> , 2020, 52, 397-408.	1.0	6
2111	Metal-Organic Framework Nanoparticles Induce Pyroptosis in Cells Controlled by the Extracellular pH. <i>Advanced Materials</i> , 2020, 32, e1907267.	11.1	118
2112	Involvement of calcium channels in the regulation of adipogenesis. <i>Adipocyte</i> , 2020, 9, 132-141.	1.3	33
2113	Calcium ions modulate the structure of the intrinsically disordered Nucleobindin-2 protein. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1091-1104.	3.6	11
2114	Calcium Homeostasis: A Potential Vicious Cycle of Bone Metastasis in Breast Cancers. <i>Frontiers in Oncology</i> , 2020, 10, 293.	1.3	25

#	ARTICLE	IF	CITATIONS
2115	Biological Interfaces, Modulation, and Sensing with Inorganic Nano-Bioelectronic Materials. <i>Small Methods</i> , 2020, 4, 1900868.	4.6	13
2116	Redox Stability Controls the Cellular Uptake and Activity of Ruthenium-Based Inhibitors of the Mitochondrial Calcium Uniporter (MCU). <i>Angewandte Chemie</i> , 2020, 132, 6544-6553.	1.6	8
2117	2D photonic memristor beyond graphene: progress and prospects. <i>Nanophotonics</i> , 2020, 9, 1579-1599.	2.9	54
2118	Transient Receptor Potential Canonical (TRPC) Channels as Modulators of Migration and Invasion. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1739.	1.8	24
2119	TRPM7 activation potentiates SOCE in enamel cells but requires ORAI. <i>Cell Calcium</i> , 2020, 87, 102187.	1.1	21
2120	Microbiota Alters Urinary Bladder Weight and Gene Expression. <i>Microorganisms</i> , 2020, 8, 421.	1.6	5
2121	ER membranes associated with mitochondria: Possible therapeutic targets in heart-associated diseases. <i>Pharmacological Research</i> , 2020, 156, 104758.	3.1	43
2122	Magnesium Acts as a Second Messenger in the Regulation of NMDA Receptor-Mediated CREB Signaling in Neurons. <i>Molecular Neurobiology</i> , 2020, 57, 2539-2550.	1.9	14
2123	Discovery of Potential Species-Specific Green Insecticides Targeting the Lepidopteran Ryanodine Receptor. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4528-4537.	2.4	22
2124	G \pm q-mediated calcium dynamics and membrane tension modulate neurite plasticity. <i>Molecular Biology of the Cell</i> , 2020, 31, 683-694.	0.9	10
2125	Functional Innovation in the Evolution of the Calcium-Dependent System of the Eukaryotic Endoplasmic Reticulum. <i>Frontiers in Genetics</i> , 2020, 11, 34.	1.1	9
2126	RcLS2F - A Novel Fungal Class 1 KDAC Co-repressor Complex in <i>Aspergillus nidulans</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 43.	1.5	15
2127	Strategies for Neuroprotection in Multiple Sclerosis and the Role of Calcium. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1663.	1.8	23
2128	Sensing of tubular flow and renal electrolyte transport. <i>Nature Reviews Nephrology</i> , 2020, 16, 337-351.	4.1	41
2129	Appraisal of disease-modifying potential of amlodipine as an anti-arthritic agent: new indication for an old drug. <i>Inflammopharmacology</i> , 2020, 28, 1121-1136.	1.9	11
2130	Ionic synergetically coupled electrolyte-gated transistors for neuromorphic engineering applications. , 2020, , 145-177.		1
2131	Investigation of biphasic calcium phosphate (BCp)/polyvinylpyrrolidone (PVp) /graphene oxide (GO) composite for biomedical implants. <i>Ceramics International</i> , 2020, 46, 24413-24423.	2.3	13
2132	SVCT2-Dependent plasma and mitochondrial membrane transport of ascorbic acid in differentiating myoblasts. <i>Pharmacological Research</i> , 2020, 159, 105042.	3.1	1

#	ARTICLE	IF	CITATIONS
2133	Lessons from the Endoplasmic Reticulum Ca ²⁺ Transportersâ€™A Cancer Connection. <i>Cells</i> , 2020, 9, 1536.	1.8	15
2134	Pseudoâ€™Membrane Jackets: Twoâ€™Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17931-17937.	7.2	11
2135	An essential role for cardiolipin in the stability and function of the mitochondrial calcium uniporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16383-16390.	3.3	63
2136	Focused Ultrasound Stimulates ER Localized Mechanosensitive PANXIN-1 to Mediate Intracellular Calcium Release in Invasive Cancer Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 504.	1.8	20
2137	Bent DNA Bows as Sensing Amplifiers for Detecting DNA-Interacting Salts and Molecules. <i>Sensors</i> , 2020, 20, 3112.	2.1	4
2138	Ca ²⁺ signaling as a mechanism of haloperidol-induced cytotoxicity in human astrocytes and assessing the protective role of a Ca ²⁺ chelator. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 2117-2127.	1.4	2
2139	Effects of 17 Î±-methyltestosterone on the transcriptome, gonadal histology and sex steroid hormones in <i>Pseudorasbora parva</i> . <i>Theriogenology</i> , 2020, 155, 88-97.	0.9	9
2140	Hypoxia Promotes Prostate Cancer Aggressiveness by Upregulating EMT-Activator Zeb1 and SK3 Channel Expression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4786.	1.8	19
2141	Mechanism of Manganese Dysregulation of Dopamine Neuronal Activity. <i>Journal of Neuroscience</i> , 2020, 40, 5871-5891.	1.7	29
2142	Molecular Basis of S100A1 Activation and Target Regulation Within Physiological Cytosolic Ca ²⁺ Levels. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 77.	1.6	13
2143	An Overview of the Role of Calcium/Calmodulin-Dependent Protein Kinase in Cardiorenal Syndrome. <i>Frontiers in Physiology</i> , 2020, 11, 735.	1.3	30
2144	Transendothelial Perforations and the Sphere of Influence of Single-Site Sonoporation. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1686-1697.	0.7	14
2145	Sarco/Endoplasmic Reticulum Calcium ATPase Inhibitors: Beyond Anticancer Perspective. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1937-1963.	2.9	34
2146	Reversible control of biomaterial properties for dynamically tuning cell behavior. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49058.	1.3	20
2147	Intracellular signaling dynamics and their role in coordinating tissue repair. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1479.	6.6	34
2148	CACNB2 rs11013860 polymorphism correlates of prefrontal cortex thickness in bipolar patients with first-episode mania. <i>Journal of Affective Disorders</i> , 2020, 268, 82-87.	2.0	9
2149	Improved tools to study astrocytes. <i>Nature Reviews Neuroscience</i> , 2020, 21, 121-138.	4.9	178
2150	Regulation of the ER Stress Response by the Ion Channel Activity of the Infectious Bronchitis Coronavirus Envelope Protein Modulates Virion Release, Apoptosis, Viral Fitness, and Pathogenesis. <i>Frontiers in Microbiology</i> , 2020, 10, 3022.	1.5	45

#	ARTICLE	IF	CITATIONS
2151	Redox Stability Controls the Cellular Uptake and Activity of Ruthenium-Based Inhibitors of the Mitochondrial Calcium Uniporter (MCU). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6482-6491.	7.2	24
2152	Breaking down calcium timing in heterogenous cells populations. <i>BioSystems</i> , 2020, 191-192, 104117.	0.9	3
2154	Effect of magnetic and electric fields on plasma membrane of single cells: A computational approach. <i>Engineering Reports</i> , 2020, 2, e12125.	0.9	11
2155	Divalent cation influx and calcium homeostasis in germinal vesicle mouse oocytes. <i>Cell Calcium</i> , 2020, 87, 102181.	1.1	11
2156	Fractional-order mathematical model for calcium distribution in nerve cells. <i>Computational and Applied Mathematics</i> , 2020, 39, 1.	1.0	19
2157	Lead-free monocrystalline perovskite resistive switching device for temporal information processing. <i>Nano Energy</i> , 2020, 71, 104616.	8.2	96
2158	Amplification of a calcium channel subunit CACNG4 increases breast cancer metastasis. <i>EBioMedicine</i> , 2020, 52, 102646.	2.7	29
2159	Structured silicon for revealing transient and integrated signal transductions in microbial systems. <i>Science Advances</i> , 2020, 6, eaay2760.	4.7	14
2160	The Ca ²⁺ permeation mechanism of the ryanodine receptor revealed by a multi-site ion model. <i>Nature Communications</i> , 2020, 11, 922.	5.8	33
2161	Synthetic fluorescent probes to apprehend calcium signalling in lipid droplet accumulation in microalgae—an updated review. <i>Science China Chemistry</i> , 2020, 63, 308-324.	4.2	5
2162	Melatonin induces mitochondrial apoptosis in osteoblasts by regulating the STIM1/cytosolic calcium elevation/ERK pathway. <i>Life Sciences</i> , 2020, 248, 117455.	2.0	17
2163	A comprehensive review on emerging artificial neuromorphic devices. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	417
2164	Preharvest bagging and postharvest calcium treatment affects superficial scald incidence and calcium nutrition during storage of "Chili" pear (<i>Pyrus bretschneideri</i>) fruit. <i>Postharvest Biology and Technology</i> , 2020, 163, 111149.	2.9	16
2165	The Role of TRPC1 in Modulating Cancer Progression. <i>Cells</i> , 2020, 9, 388.	1.8	47
2166	STIM Protein-NMDA2 Receptor Interaction Decreases NMDA-Dependent Calcium Levels in Cortical Neurons. <i>Cells</i> , 2020, 9, 160.	1.8	19
2167	A Multimodal Ca(II) Responsive Near IR-MR Contrast Agent Exhibiting High Cellular Uptake. <i>ACS Chemical Biology</i> , 2020, 15, 334-341.	1.6	12
2168	Crystal Structure of the Ryanodine Receptor SPRY2 Domain from the Diamondback Moth Provides Insights into the Development of Novel Insecticides. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1731-1740.	2.4	12
2169	Signaling in the Physiology and Pathophysiology of Pancreatic Stellate Cells—a Brief Review of Recent Advances. <i>Frontiers in Physiology</i> , 2020, 11, 78.	1.3	18

#	ARTICLE	IF	CITATIONS
2170	Plasma Membrane Ca ²⁺ ATPase Isoform 4 (PMCA4) Has an Important Role in Numerous Hallmarks of Pancreatic Cancer. <i>Cancers</i> , 2020, 12, 218.	1.7	16
2171	A Comprehensive Review of Calcium Electroporation—A Novel Cancer Treatment Modality. <i>Cancers</i> , 2020, 12, 290.	1.7	81
2172	Machine learning for parameter auto-tuning in molecular dynamics simulations: Efficient dynamics of ions near polarizable nanoparticles. <i>International Journal of High Performance Computing Applications</i> , 2020, 34, 357-374.	2.4	13
2173	Non-toxic and toxic <i>Microcystis aeruginosa</i> reduce the tolerance of <i>Daphnia pulex</i> to low calcium in different degrees: Based on the changes in the key life-history traits. <i>Chemosphere</i> , 2020, 248, 126101.	4.2	19
2174	Structural Changes of Sarco/Endoplasmic Reticulum Ca ²⁺ -ATPase Induced by Rutin Arachidonate: A Molecular Dynamics Study. <i>Biomolecules</i> , 2020, 10, 214.	1.8	3
2175	Competitive Binding of Magnesium to Calcium Binding Sites Reciprocally Regulates Transamidase and GTP Hydrolysis Activity of Transglutaminase 2. <i>International Journal of Molecular Sciences</i> , 2020, 21, 791.	1.8	9
2176	Redox-Mediated Post-Translational Modifications of Proteolytic Enzymes and Their Role in Protease Functioning. <i>Biomolecules</i> , 2020, 10, 650.	1.8	17
2177	Calcium Signaling in Schwann cells. <i>Neuroscience Letters</i> , 2020, 729, 134959.	1.0	6
2178	Cellular mechanisms underlying carbon monoxide stimulated anion secretion in rat epididymal epithelium. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 100-101, 30-37.	1.2	7
2179	Calcium-induced calcium release in astroglia—a view “from the inside”. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 435-436.	1.3	1
2180	A lipid perspective on regulated cell death. <i>International Review of Cell and Molecular Biology</i> , 2020, 351, 197-236.	1.6	19
2181	Selective neuronal vulnerability in Parkinson's disease. <i>Progress in Brain Research</i> , 2020, 252, 61-89.	0.9	43
2182	Interdisciplinary Synergy to Reveal Mechanisms of Annexin-Mediated Plasma Membrane Shaping and Repair. <i>Cells</i> , 2020, 9, 1029.	1.8	28
2183	Neuronal Calcium Sensor 1 is upregulated in response to stress to promote cell survival and motility in cancer cells. <i>Molecular Oncology</i> , 2020, 14, 1134-1151.	2.1	17
2184	TRPCs: Influential Mediators in Skeletal Muscle. <i>Cells</i> , 2020, 9, 850.	1.8	24
2185	Mass Spectrometry-Based Protein Footprinting for Higher-Order Structure Analysis: Fundamentals and Applications. <i>Chemical Reviews</i> , 2020, 120, 4355-4454.	23.0	149
2186	Profiling Cell Signaling Networks at Single-cell Resolution. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 744-756.	2.5	39
2187	Calcium storage and homeostasis in <i>Toxoplasma gondii</i> . , 2020, , 547-575.		4

#	ARTICLE	IF	CITATIONS
2188	Synthesis and cytotoxic effects of 2-thio-3,4-dihydroquinazoline derivatives as novel T-type calcium channel blockers. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115491.	1.4	5
2189	Wnt-PLC-IP3-Connexin-Ca ²⁺ axis maintains ependymal motile cilia in zebrafish spinal cord. <i>Nature Communications</i> , 2020, 11, 1860.	5.8	30
2190	N-Methyl-D-Aspartate Receptor Hypofunction in Meg-01 Cells Reveals a Role for Intracellular Calcium Homeostasis in Balancing Megakaryocytic-Erythroid Differentiation. <i>Thrombosis and Haemostasis</i> , 2020, 120, 671-686.	1.8	11
2191	Regulatory mechanism for the transmembrane receptor that mediates bidirectional vitamin A transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9857-9864.	3.3	20
2192	Chemokine-like factor-like MARVEL transmembrane domain-containing family in autoimmune diseases. <i>Chinese Medical Journal</i> , 2020, 133, 951-958.	0.9	23
2193	Ca ²⁺ release-activated Ca ²⁺ channels are responsible for histamine-induced Ca ²⁺ entry, permeability increase, and interleukin synthesis in lymphatic endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1283-H1295.	1.5	6
2194	â€œNMDA receptor spectrum disorderâ€•in the differential diagnosis of demyelinating disorders of the CNS: optic neuritis and myelitis. <i>Neurological Sciences</i> , 2021, 42, 151-157.	0.9	4
2195	Targeting microglia L-type voltage-dependent calcium channels for the treatment of central nervous system disorders. <i>Journal of Neuroscience Research</i> , 2021, 99, 141-162.	1.3	28
2196	Nitric oxide and the brain. Part 2: Effects following neonatal brain injuryâ€”friend or foe?. <i>Pediatric Research</i> , 2021, 89, 746-752.	1.1	6
2197	Structure and function of the calcium-selective TRP channel TRPV6. <i>Journal of Physiology</i> , 2021, 599, 2673-2697.	1.3	29
2198	Cell-surface heparan sulfate proteoglycans as multifunctional integrators of signaling in cancer. <i>Cellular Signalling</i> , 2021, 77, 109822.	1.7	66
2199	Calcium influx through the mitochondrial calcium uniporter holocomplex, MCUcx. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 151, 145-154.	0.9	24
2200	sORF-Encoded MicroPeptides: New players in inflammation, metabolism, and precision medicine. <i>Cancer Letters</i> , 2021, 500, 263-270.	3.2	29
2201	Integrating research into a molecular cloning course to address the evolving biotechnology landscape. <i>Biochemistry and Molecular Biology Education</i> , 2021, 49, 115-128.	0.5	6
2202	Sodium Transporters in Human Health and Disease. <i>Frontiers in Physiology</i> , 2020, 11, 588664.	1.3	22
2203	Germline Mutation of PLCD1 Contributes to Human Multiple Pilomatricomas through Protein Kinase D/Extracellular Signal-Regulated Kinase1/2 Cascade and TRPV6. <i>Journal of Investigative Dermatology</i> , 2021, 141, 533-544.	0.3	5
2204	CAMK2N1 suppresses hepatoma growth through inhibiting E2F1-mediated cell-cycle signaling. <i>Cancer Letters</i> , 2021, 497, 66-76.	3.2	15
2205	Quantitative proteomics reveals dual effects of calcium on radicle protrusion in soybean. <i>Journal of Proteomics</i> , 2021, 230, 103999.	1.2	5

#	ARTICLE	IF	CITATIONS
2206	Designing magnesium-selective ligands using coordination chemistry principles. <i>Coordination Chemistry Reviews</i> , 2021, 428, 213622.	9.5	11
2207	Decorin regulates cartilage pericellular matrix micromechanobiology. <i>Matrix Biology</i> , 2021, 96, 1-17.	1.5	37
2208	MdCAX affects the development of the "Honeycrisp"™ bitter pit by influencing abnormal Ca distribution. <i>Postharvest Biology and Technology</i> , 2021, 171, 111341.	2.9	8
2209	Structural Basis of the Modulation of the Voltage-Gated Calcium Ion Channel Ca _v 1.1 by Dihydropyridine Compounds**. <i>Angewandte Chemie</i> , 2021, 133, 3168-3174.	1.6	3
2210	Sperm ion channels and transporters in male fertility and infertility. <i>Nature Reviews Urology</i> , 2021, 18, 46-66.	1.9	76
2211	Investigations of mechanism of Ca ²⁺ adsorption on silica and alumina based on Ca-ISE monitoring, potentiometric titration, electrokinetic measurements and surface complexation modeling. <i>Adsorption</i> , 2021, 27, 105-115.	1.4	11
2212	Molecular machineries and physiological relevance of ER-mediated membrane contacts. <i>Theranostics</i> , 2021, 11, 974-995.	4.6	15
2213	Modulatory function of calmodulin on phagocytosis and potential regulation mechanisms in the blood clam <i>Tegillarca granosa</i> . <i>Developmental and Comparative Immunology</i> , 2021, 116, 103910.	1.0	13
2214	The ATPase Inhibitory Factor 1 (IF1) regulates the expression of the mitochondrial Ca ²⁺ uniporter (MCU) via the AMPK/CREB pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118860.	1.9	9
2215	Mitochondria orchestrate macrophage effector functions in atherosclerosis. <i>Molecular Aspects of Medicine</i> , 2021, 77, 100922.	2.7	26
2216	Nutrient-induced hyperosmosis evokes vasorelaxation via TRPV1 channel-mediated, endothelium-dependent, hyperpolarisation in healthy and colitis mice. <i>British Journal of Pharmacology</i> , 2021, 178, 689-708.	2.7	5
2217	A subgroup of lactosyl-Sepharose binding proteins requires calcium for affinity and galactose for anti-proliferation. <i>Chemico-Biological Interactions</i> , 2021, 334, 109354.	1.7	4
2218	Calcium spikes accompany cleavage furrow ingression and cell separation during fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2021, 32, 15-27.	0.9	17
2219	Imaging and optogenetic modulation of vascular mural cells in the live brain. <i>Nature Protocols</i> , 2021, 16, 472-496.	5.5	32
2220	Molecular nature and physiological role of the mitochondrial calcium uniporter channel. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C465-C482.	2.1	54
2221	ORAI2 Promotes Gastric Cancer Tumorigenicity and Metastasis through PI3K/Akt Signaling and MAPK-Dependent Focal Adhesion Disassembly. <i>Cancer Research</i> , 2021, 81, 986-1000.	0.4	71
2222	Quantifying Nanoscale Viscosity and Structures of Living Cells Nucleus from Mobility Measurements. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 294-301.	2.1	12
2223	Illumination enhances the protein abundance of sarcoplasmic reticulum Ca ²⁺ -ATPases-like transporter in the ctenidium and whitish inner mantle of the giant clam, <i>Tridacna squamosa</i> , to augment exogenous Ca ²⁺ uptake and shell formation, respectively. <i>Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology</i> , 2021, 251, 110811.	0.8	7

#	ARTICLE	IF	CITATIONS
2224	Cortisol rapidly stimulates calcium waves in the developing trunk muscle of zebrafish. <i>Molecular and Cellular Endocrinology</i> , 2021, 520, 111067.	1.6	4
2225	Lanthanum mediated rutin yellow-fluorescent carbon dots as multifaceted sensing probes for the detection of calcium ions in melanoma and plant cells. <i>Materials Science and Engineering C</i> , 2021, 120, 111644.	3.8	15
2226	Structural Basis of the Modulation of the Voltage-Gated Calcium Ion Channel Ca _v 1.1 by Dihydropyridine Compounds**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3131-3137.	7.2	42
2227	Hydrophobic interactions between the HA helix and S4-S5 linker modulate apparent Ca ²⁺ sensitivity of SK2 channels. <i>Acta Physiologica</i> , 2021, 231, e13552.	1.8	13
2228	Calcium signaling is involved in diverse cellular processes in fungi. <i>Mycology</i> , 2021, 12, 10-24.	2.0	29
2229	Ttm50 facilitates calpain activation by anchoring it to calcium stores and increasing its sensitivity to calcium. <i>Cell Research</i> , 2021, 31, 433-449.	5.7	16
2230	Methylmercury exposure and its implications for aging. , 2021, , 213-224.		1
2231	Marine Heterocyclic Compounds That Modulate Intracellular Calcium Signals: Chemistry and Synthesis Approaches. <i>Marine Drugs</i> , 2021, 19, 78.	2.2	2
2232	Calcium-cytoskeleton signaling-induced modification of plant development. , 2021, , 19-38.		0
2233	Ca ²⁺ /Calmodulin-NOS/NO-TNFs Pathway Hallmarks the Inflammation Response of Oyster During Aerial Exposure. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	1
2234	Three-dimensional cytoplasmic calcium propagation with boundaries. <i>Communications in Theoretical Physics</i> , 2021, 73, 015601.	1.1	2
2235	Fluorogenic XY-69 in Lipid Vesicles for Measuring Activity of Phospholipase C Isozymes. <i>Methods in Molecular Biology</i> , 2021, 2251, 225-236.	0.4	2
2236	Calcium Intracellular Calcium Waves. , 2021, , 669-677.		0
2237	Ca ²⁺ in health and disease. <i>International Review of Cell and Molecular Biology</i> , 2021, 363, ix-xv.	1.6	1
2238	Preface: Ca ²⁺ in health and disease. <i>International Review of Cell and Molecular Biology</i> , 2021, 362, xi-xvii.	1.6	0
2239	Hydrostatic Pressure-Regulated Cellular Calcium Responses. <i>Langmuir</i> , 2021, 37, 820-826.	1.6	6
2240	Evolution of Ca ²⁺ transporters in plants. , 2021, , 69-87.		0
2241	Modeling of Ca ²⁺ transients initiated by GPCR agonists in mesenchymal stromal cells. <i>BBA Advances</i> , 2021, 1, 100012.	0.7	2

#	ARTICLE	IF	CITATIONS
2242	Combination of epidural electrical stimulation with ex vivo triple gene therapy for spinal cord injury: a proof of principle study. <i>Neural Regeneration Research</i> , 2021, 16, 550.	1.6	13
2243	Intracellular Ca ²⁺ Signaling in Protozoan Parasites: An Overview with a Focus on Mitochondria. <i>International Journal of Molecular Sciences</i> , 2021, 22, 469.	1.8	13
2244	Store operated calcium channels in cancer progression. <i>International Review of Cell and Molecular Biology</i> , 2021, 363, 123-168.	1.6	9
2245	Calcium Inositol Trisphosphate and Calcium Signaling. , 2021, , 661-668.		0
2246	BODIPY derivatives as fluorescent reporters of molecular activities in living cells. <i>Russian Chemical Reviews</i> , 2021, 90, 1213-1262.	2.5	18
2247	<i>In silico</i> prediction of mitochondrial toxicity of chemicals using machine learning methods. <i>Journal of Applied Toxicology</i> , 2021, 41, 1518-1526.	1.4	23
2248	The redox language in neurodegenerative diseases: oxidative post-translational modifications by hydrogen peroxide. <i>Cell Death and Disease</i> , 2021, 12, 58.	2.7	68
2249	From classical signaling pathways to the nucleus. , 2021, , 41-52.		0
2250	Methods for detection and measurement of calcium in plants. , 2021, , 411-426.		2
2251	Recent development of near-infrared photoacoustic probes based on small-molecule organic dye. <i>RSC Chemical Biology</i> , 2021, 2, 743-758.	2.0	40
2252	Intrinsic Mechanisms Regulating Neuronal Migration in the Postnatal Brain. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 620379.	1.8	23
2253	Direct control of store-operated calcium channels by ultrafast laser. <i>Cell Research</i> , 2021, 31, 758-772.	5.7	12
2254	TRIC-A regulates intracellular Ca ²⁺ homeostasis in cardiomyocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 547-556.	1.3	5
2255	A virulent <i>Bacillus cereus</i> strain from deep-sea cold seep induces pyroptosis in a manner that involves NLRP3 inflammasome, JNK pathway, and lysosomal rupture. <i>Virulence</i> , 2021, 12, 1362-1376.	1.8	13
2256	Nucleobindin-2 consists of two structural components: The Zn ²⁺ -sensitive N-terminal half, consisting of nesfatin-1 and -2, and the Ca ²⁺ -sensitive C-terminal half, consisting of nesfatin-3. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4300-4318.	1.9	4
2257	A Survey of Molecular Communication in Cell Biology: Establishing a New Hierarchy for Interdisciplinary Applications. <i>IEEE Communications Surveys and Tutorials</i> , 2021, 23, 1494-1545.	24.8	42
2258	Endomembrane Tension and Trafficking. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 611326.	1.8	30
2259	Mechanically induced integrin ligation mediates intracellular calcium signaling with single pulsating cavitation bubbles. <i>Theranostics</i> , 2021, 11, 6090-6104.	4.6	8

#	ARTICLE	IF	CITATIONS
2260	Mechanism of Thrombin-Induced Changes in Vascular Endothelial Cell Permeability. <i>Hans Journal of Biomedicine</i> , 2021, 11, 96-105.	0.0	0
2261	Different Routes of Administration Lead to Different Oxidative Damage and Tissue Disorganization Levels on the Subacute Cadmium Toxicity in the Liver. <i>Biological Trace Element Research</i> , 2021, 199, 4624-4634.	1.9	4
2262	Optogenetic control of small GTPases reveals RhoA mediates intracellular calcium signaling. <i>Journal of Biological Chemistry</i> , 2021, 296, 100290.	1.6	11
2263	The crosstalk between cardiomyocyte calcium and inflammasome signaling pathways in atrial fibrillation. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 389-405.	1.3	18
2264	Nanoneedle-Based Materials for Intracellular Studies. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1295, 191-219.	0.8	5
2265	Roles of Calreticulin in Protein Folding, Immunity, Calcium Signaling and Cell Transformation. <i>Progress in Molecular and Subcellular Biology</i> , 2021, 59, 145-162.	0.9	14
2266	Chronic exposure of humans to high level natural background radiation leads to robust expression of protective stress response proteins. <i>Scientific Reports</i> , 2021, 11, 1777.	1.6	4
2267	Neurons Calcium Signaling in Neurons and Oocytes. , 2021, , 333-344.		0
2268	Dihydropyridine Calcium Channel Blockers Suppress the Transcription of PD-L1 by Inhibiting the Activation of STAT1. <i>Frontiers in Pharmacology</i> , 2020, 11, 539261.	1.6	16
2269	The design and evolution of fluorescent protein-based sensors for monoatomic ions in biology. <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	1.0	10
2270	Comprehensive somatosensory and neurological phenotyping of NCS1 knockout mice. <i>Scientific Reports</i> , 2021, 11, 2372.	1.6	4
2271	Modulation of calcium-binding proteins expression and cisplatin chemosensitivity by calcium chelation in human breast cancer MCF-7 cells. <i>Heliyon</i> , 2021, 7, e06041.	1.4	4
2272	Carbon dioxide-dependent signal transduction in mammalian systems. <i>Interface Focus</i> , 2021, 11, 20200033.	1.5	13
2273	The life cycle of voltage-gated Ca ²⁺ channels in neurons: an update on the trafficking of neuronal calcium channels. <i>Neuronal Signaling</i> , 2021, 5, NS20200095.	1.7	14
2274	Vitamin D deficiency as a risk factor for endometriosis in Iranian women. <i>Journal of Reproductive Immunology</i> , 2021, 143, 103266.	0.8	12
2275	Characterization of the Rhipicephalus (Boophilus) microplus Sialotranscriptome Profile in Response to Theileria equi Infection. <i>Pathogens</i> , 2021, 10, 167.	1.2	7
2276	Spatio-temporal parameters for optical probing of neuronal activity. <i>Biophysical Reviews</i> , 2021, 13, 13-33.	1.5	2
2277	Mitochondrial Dysfunction and Oxidative Stress Caused by Cryopreservation in Reproductive Cells. <i>Antioxidants</i> , 2021, 10, 337.	2.2	70

#	ARTICLE	IF	CITATIONS
2278	carP, encoding a Ca ²⁺ -regulated putative phytase, is evolutionarily conserved in <i>Pseudomonas aeruginosa</i> and has potential as a biomarker. <i>Microbiology (United Kingdom)</i> , 2021, 167, .	0.7	2
2279	Role of protons in calcium signaling. <i>Biochemical Journal</i> , 2021, 478, 895-910.	1.7	5
2280	Long-term segmentation-free assessment of headâ€“flagellum movement and intracellular calcium in swimming human sperm. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	7
2281	Receptor Tyrosine Kinase Signaling and Targeting in Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1831.	1.8	37
2282	Lung epithelial endoplasmic reticulum and mitochondrial 3D ultrastructure: a new frontier in lung diseases. <i>Histochemistry and Cell Biology</i> , 2021, 155, 291-300.	0.8	8
2283	The prognostic value of Piezo1 in breast cancer patients with various clinicopathological features. <i>Anti-Cancer Drugs</i> , 2021, 32, 448-455.	0.7	7
2284	How fast do mobile organisms respond to stimuli? Response times from bacteria to elephants and whales. <i>Physical Biology</i> , 2021, 18, 026002.	0.8	0
2285	Role of Calcium in Modulating the Conformational Landscape and Peptide Binding Induced Closing of Calmodulin. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2317-2327.	1.2	9
2286	M.E.S. Abasaheb Garware College, Pune and Arts, Commerce and Science College, Lasalgaon. <i>International Journal of Advanced Research in Science, Communication and Technology</i> , 0, , 86-89.	0.0	0
2287	Synthetic Biological Approaches for Optogenetics and Tools for Transcriptional Lightâ€“Control in Bacteria. <i>Advanced Biology</i> , 2021, 5, e2000256.	1.4	48
2288	Sex Hormone Regulation of Proteins Modulating Mitochondrial Metabolism, Dynamics and Inter-Organellar Cross Talk in Cardiovascular Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 610516.	1.8	10
2289	The role of potassium and host calcium signaling in <i>Toxoplasma gondii</i> egress. <i>Cell Calcium</i> , 2021, 94, 102337.	1.1	20
2290	4â€“phenylbutyric acid mediates therapeutic effect in systemic lupus erythematosus: Observations in an experimental murine lupus model. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 460.	0.8	11
2291	Mitochondrial iron and calcium homeostasis in Friedreich ataxia. <i>IUBMB Life</i> , 2021, 73, 543-553.	1.5	9
2292	The gut microbiota metabolite urolithin A inhibits NF-Î±B activation in LPS stimulated BMDMs. <i>Scientific Reports</i> , 2021, 11, 7117.	1.6	32
2293	In the Right Place at the Right Time: Regulation of Cell Metabolism by IP3R-Mediated Inter-Organelle Ca ²⁺ Fluxes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 629522.	1.8	24
2295	Whole-Genome Re-sequencing and Transcriptome Reveal Oogenesis-Related Genes in Autotetraploid <i>Carassius auratus</i> . <i>Marine Biotechnology</i> , 2021, 23, 233-241.	1.1	5
2296	Calcium channel Î±2Î±1 subunit is a functional marker and therapeutic target for tumor-initiating cells in non-small cell lung cancer. <i>Cell Death and Disease</i> , 2021, 12, 257.	2.7	17

#	ARTICLE	IF	CITATIONS
2297	From Genotype to Phenotype: Expanding the Clinical Spectrum of CACNA1A Variants in the Era of Next Generation Sequencing. <i>Frontiers in Neurology</i> , 2021, 12, 639994.	1.1	49
2298	Rapid subcellular calcium responses and dynamics by calcium sensor G-CatchER+. <i>IScience</i> , 2021, 24, 102129.	1.9	19
2299	CaMKII δ Splice Variants in the Healthy and Diseased Heart. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 644630.	1.8	13
2300	Ca ²⁺ Signaling as the Untact Mode during Signaling in Metastatic Breast Cancer. <i>Cancers</i> , 2021, 13, 1473.	1.7	8
2301	Mitochondria Associated Membranes (MAMs): Architecture and physiopathological role. <i>Cell Calcium</i> , 2021, 94, 102343.	1.1	64
2302	The lysosomotrope GPN mobilises Ca ²⁺ from acidic organelles. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	14
2303	VRK2 is involved in the innate antiviral response by promoting mitostress-induced mtDNA release. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1186-1196.	4.8	22
2304	Altered mitochondrial calcium handling and cell death by necroptosis: An emerging paradigm. <i>Mitochondrion</i> , 2021, 57, 47-62.	1.6	20
2305	Optogenetic activation of spinal microglia triggers chronic pain in mice. <i>PLoS Biology</i> , 2021, 19, e3001154.	2.6	39
2306	Dietary Intake of Calcium and Magnesium in Relation to Severe Headache or Migraine. <i>Frontiers in Nutrition</i> , 2021, 8, 653765.	1.6	17
2307	<i>C. elegans</i> genome-wide RNAi screen for altered levamisole sensitivity identifies genes required for muscle function. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	9
2308	VDAC regulation of mitochondrial calcium flux: From channel biophysics to disease. <i>Cell Calcium</i> , 2021, 94, 102356.	1.1	48
2309	The integrated analyses of metabolomics and transcriptomics in gill of GIFT tilapia in response to long term salinity challenge. <i>Aquaculture and Fisheries</i> , 2022, 7, 131-139.	1.2	14
2310	A Silk-Based Functionalization Architecture for Single Fiber Imaging and Sensing. <i>Advanced Functional Materials</i> , 2022, 32, 2010713.	7.8	6
2311	Structural and Functional Significance of the Endoplasmic Reticulum Unfolded Protein Response Transducers and Chaperones at the Mitochondria-ER Contacts: A Cancer Perspective. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641194.	1.8	11
2312	One-Pot Synthesis of Hantzsch 1,4-Dihydropyridines by a Series of Iron Oxide Nanoparticles: Putative Synthetic TRPV6 Calcium Channel Blockers. <i>ChemistrySelect</i> , 2021, 6, 2360-2365.	0.7	12
2313	Calcium/Calmodulin-Dependent Protein Kinase II in Cerebrovascular Diseases. <i>Translational Stroke Research</i> , 2021, 12, 513-529.	2.3	26
2314	Repairing plasma membrane damage in regulated necrotic cell death. <i>Molecular Biology Reports</i> , 2021, 48, 2751-2759.	1.0	14

#	ARTICLE	IF	CITATIONS
2315	Targeted Gq-GPCR activation drives ER-dependent calcium oscillations in chondrocytes. <i>Cell Calcium</i> , 2021, 94, 102363.	1.1	7
2316	Resveratrol promotes lysosomal function via ER calcium-dependent TFEB activation to ameliorate lipid accumulation. <i>Biochemical Journal</i> , 2021, 478, 1159-1173.	1.7	11
2317	Moments of weaknesses “exploiting vulnerabilities between germination and encystment in the <sc>P</sc>hytomyxea. <i>Biological Reviews</i> , 2021, 96, 1603-1615.	4.7	9
2318	Calcium-Regulated Protein CarP Responds to Multiple Host Signals and Mediates Regulation of <i>Pseudomonas aeruginosa</i> Virulence by Calcium. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	4
2319	Evaluation of multi-color genetically encoded Ca ²⁺ indicators in filamentous fungi. <i>Fungal Genetics and Biology</i> , 2021, 149, 103540.	0.9	2
2320	Complexity and Specificity of Sec61-Channelopathies: Human Diseases Affecting Gating of the Sec61 Complex. <i>Cells</i> , 2021, 10, 1036.	1.8	26
2321	From Channels to Canonical Wnt Signaling: A Pathological Perspective. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4613.	1.8	10
2322	Improved bounds on entropy production in living systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
2323	Bcl-2 Family of Proteins in the Control of Mitochondrial Calcium Signalling: An Old Chap with New Roles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3730.	1.8	40
2324	The Calcium Signaling Mechanisms in Arterial Smooth Muscle and Endothelial Cells. , 2021, 11, 1831-1869.		17
2325	Novel Tools and Investigative Approaches for the Study of Oligodendrocyte Precursor Cells (NG2-Glia) in CNS Development and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 673132.	1.8	8
2326	Cation Transporters of <i>Candida albicans</i> “New Targets to Fight Candidiasis?”. <i>Biomolecules</i> , 2021, 11, 584.	1.8	7
2327	A Stress-Responsive CaM-Binding Transcription Factor, bZIP4, Confers Abiotic Stress Resistance in <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2021, 64, 359-370.	0.9	3
2328	Laser-Induced Nuclear Damage Signaling and Communication in Astrocyte Networks Through Parp-Dependent Calcium Oscillations. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
2329	Excitation of medium spiny neurons by “inhibitory”™ ultrapotent chemogenetics via shifts in chloride reversal potential. <i>ELife</i> , 2021, 10, .	2.8	11
2330	The role of nuclear Ca ²⁺ in maintaining neuronal homeostasis and brain health. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	13
2331	Ca ²⁺ entry at the plasma membrane and uptake by acidic stores is regulated by the activity of the V ^H -ATPase in <i>Toxoplasma gondii</i> . <i>Molecular Microbiology</i> , 2021, 115, 1054-1068.	1.2	8
2332	Transcriptome analysis identifies the differentially expressed genes related to the stemness of limb stem cells in mice. <i>Gene</i> , 2021, 775, 145447.	1.0	4

#	ARTICLE	IF	CITATIONS
2333	Comparison of the Microsolvation of CaX ₂ (X = F, Cl, Br, I) in Water: Size-Selected Anion Photoelectron Spectroscopy and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3288-3306.	1.1	5
2334	Calcium transfer between endoplasmic reticulum and mitochondria in liver diseases. <i>FEBS Letters</i> , 2021, 595, 1411-1421.	1.3	13
2335	cROStalk for Life: Uncovering ROS Signaling in Plants and Animal Systems, from Gametogenesis to Early Embryonic Development. <i>Genes</i> , 2021, 12, 525.	1.0	10
2336	Local and CNS-Wide Astrocyte Intracellular Calcium Signaling Attenuation <i>In Vivo</i> with CalEx ^{flox} Mice. <i>Journal of Neuroscience</i> , 2021, 41, 4556-4574.	1.7	18
2337	Mitochondria-Associated Membranes (MAMs): A Novel Therapeutic Target for Treating Metabolic Syndrome. <i>Current Medicinal Chemistry</i> , 2021, 28, 1347-1362.	1.2	21
2338	Aberrantly glycosylated IgG elicits pathogenic signaling in podocytes and signifies lupus nephritis. <i>JCI Insight</i> , 2021, 6, .	2.3	34
2339	The Interplay between Dysregulated Ion Transport and Mitochondrial Architecture as a Dangerous Liaison in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5209.	1.8	15
2340	Revealing HOCl burst from endoplasmic reticulum in cisplatin-treated cells via a ratiometric fluorescent probe. <i>Chinese Chemical Letters</i> , 2021, 32, 1795-1798.	4.8	53
2341	Targeted Phosphoinositides Analysis Using High-Performance Ion Chromatography-Coupled Selected Reaction Monitoring Mass Spectrometry. <i>Journal of Proteome Research</i> , 2021, 20, 3114-3123.	1.8	8
2342	Association Between Prior Calcium Channel Blocker Use and Mortality in Septic Patients: A Meta-Analysis of Cohort Studies. <i>Frontiers in Pharmacology</i> , 2021, 12, 628825.	1.6	5
2343	Generation of GCaMP6s-Expressing Zebrafish to Monitor Spatiotemporal Dynamics of Calcium Signaling Elicited by Heat Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5551.	1.8	8
2344	Dysregulation of Astrocyte Ion Homeostasis and Its Relevance for Stroke-Induced Brain Damage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5679.	1.8	24
2345	Calcium: More Than Bone? Implications for Clinical Practice and Theory. <i>Journal of Clinical Medicine Research</i> , 2021, 13, 253-257.	0.6	4
2346	Reactive Oxygen Species-Induced TRPM2-Mediated Ca ²⁺ Signalling in Endothelial Cells. <i>Antioxidants</i> , 2021, 10, 718.	2.2	16
2347	A guide to understanding endoplasmic reticulum stress in metabolic disorders. <i>Molecular Metabolism</i> , 2021, 47, 101169.	3.0	134
2348	Mitochondrial Ca ²⁺ Signaling in Health, Disease and Therapy. <i>Cells</i> , 2021, 10, 1317.	1.8	59
2351	Activin A as a Novel Chemokine Induces Migration of L929 Fibroblasts by ERK Signaling in Microfluidic Devices. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 660316.	1.8	8
2352	Bioprintable, Stiffness-Tunable Collagen-Alginate Microgels for Increased Throughput 3D Cell Culture Studies. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2814-2822.	2.6	13

#	ARTICLE	IF	CITATIONS
2353	A Cyclometalated Ir ^{III} Complex Conjugated to a Coumarin Derivative Is a Potent Photodynamic Agent against Prostate Differentiated and Tumorigenic Cancer Stem Cells. <i>Chemistry - A European Journal</i> , 2021, 27, 8547-8556.	1.7	16
2354	Cellular and mitochondrial calcium communication in obstructive lung disorders. <i>Mitochondrion</i> , 2021, 58, 184-199.	1.6	3
2355	Machine Learning Establishes Single-Cell Calcium Dynamics as an Early Indicator of Antibiotic Response. <i>Microorganisms</i> , 2021, 9, 1000.	1.6	7
2356	Calcium Dyshomeostasis in Alzheimer's Disease Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4914.	1.8	76
2358	Small Molecule-based Alkaline-earth Metal Ion Fluorescent Probes for Imaging Intracellular and Intercellular Multiple Signals. <i>Chemistry Letters</i> , 2021, 50, 870-887.	0.7	4
2359	A novel Ca ²⁺ indicator for long-term tracking of intracellular calcium flux. <i>BioTechniques</i> , 2021, 70, 271-277.	0.8	15
2360	Intense terahertz pulses inhibit Ras signaling and other cancer-associated signaling pathways in human skin tissue models. <i>JPhys Photonics</i> , 2021, 3, 034004.	2.2	11
2361	Sarco/endoplasmic reticulum Ca ²⁺ -ATPase (SERCA) activity is required for V(D)J recombination. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	8
2362	On finite element estimation of calcium advection diffusion in a multipolar neuron. <i>Journal of Engineering Mathematics</i> , 2021, 128, 1.	0.6	5
2363	From the Identification to the Dissection of the Physiological Role of the Mitochondrial Calcium Uniporter: An Ongoing Story. <i>Biomolecules</i> , 2021, 11, 786.	1.8	17
2364	Calcium: a central player in <i>Cryptococcus</i> biology. <i>Fungal Biology Reviews</i> , 2021, 36, 27-41.	1.9	2
2365	A Tale of two receptors. <i>Journal of Theoretical Biology</i> , 2021, 518, 110629.	0.8	4
2366	TRP Channels Interactome as a Novel Therapeutic Target in Breast Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 621614.	1.3	27
2367	A microfluidics-based method for culturing osteoblasts on biomimetic hydroxyapatite. <i>Acta Biomaterialia</i> , 2021, 127, 327-337.	4.1	18
2368	Calcium signaling through a transient receptor channel is important for <i>Toxoplasma gondii</i> growth. <i>ELife</i> , 2021, 10, .	2.8	16
2369	Sulforaphane Balances Ca ²⁺ Homeostasis Injured by Excessive Fat via Mitochondria-Associated Membrane (MAM). <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001076.	1.5	12
2370	Something Old, Something New: Ion Channel Blockers as Potential Anti-Tuberculosis Agents. <i>Frontiers in Immunology</i> , 2021, 12, 665785.	2.2	9
2371	Endoplasmic reticulum stress in the acute intestinal epithelial injury of necrotizing enterocolitis. <i>Pediatric Surgery International</i> , 2021, 37, 1151-1160.	0.6	7

#	ARTICLE	IF	CITATIONS
2372	TRPC channel-derived calcium fluxes differentially regulate ATP and flow-induced activation of eNOS. Nitric Oxide - Biology and Chemistry, 2021, 111-112, 1-13.	1.2	6
2373	2D finite element estimation of calcium diffusion in Alzheimer's affected neuron. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	1.2	8
2374	Interleukin 1 beta-induced calcium signaling via TRPA1 channels promotes mitogen-activated protein kinase-dependent mesangial cell proliferation. FASEB Journal, 2021, 35, e21729.	0.2	11
2375	Transient Receptor Potential C 1/4/5 Is a Determinant of MTI-101 Induced Calcium Influx and Cell Death in Multiple Myeloma. Cells, 2021, 10, 1490.	1.8	4
2376	Decreased calcium concentration interferes with life history defense strategies of <i>Ceriodaphnia cornuta</i> in response to fish kairomone. Limnology and Oceanography, 2021, 66, 3237-3252.	1.6	16
2377	Calcium signaling networks mediate nitrate sensing and responses in Arabidopsis. Plant Signaling and Behavior, 2021, 16, 1938441.	1.2	10
2378	Histamine triggers microglial responses indirectly via astrocytes and purinergic signaling. Glia, 2021, 69, 2291-2304.	2.5	11
2379	Structural Changes beyond the EF-Hand Contribute to Apparent Calcium Binding Affinities: Insights from Parvalbumins. Journal of Physical Chemistry B, 2021, 125, 6390-6405.	1.2	11
2380	Study on a Plasmonic Tilted Fiber Grating-Based Biosensor for Calmodulin Detection. Biosensors, 2021, 11, 195.	2.3	10
2381	Intracellular Calcium Homeostasis and Kidney Disease. Current Medicinal Chemistry, 2021, 28, 3647-3665.	1.2	7
2383	Prolonged exposure to traffic-related particulate matter and gaseous pollutants implicate distinct molecular mechanisms of lung injury in rats. Particle and Fibre Toxicology, 2021, 18, 24.	2.8	14
2385	A bioinformatics approach for exploring and identification of potential target genes of miR-130a-3p in doxorubicin-associated cardiotoxicity. Ghane niversitesi Fen Bilimleri Enstits Dergisi, 0, , .	0.0	0
2386	Identification of blossom-end rot loci using joint QTL-seq and linkage-based QTL mapping in tomato. Theoretical and Applied Genetics, 2021, 134, 2931-2945.	1.8	10
2387	Cell death as a result of calcium signaling modulation: A cancer-centric prospective. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119061.	1.9	29
2388	Mechanisms and functions of calcium microdomains produced by ORAI channels, d-myo-inositol 1,4,5-trisphosphate receptors, or ryanodine receptors. , 2021, 223, 107804.		10
2389	Influence of Subcellular Localization and Functional State on Protein Turnover. Cells, 2021, 10, 1747.	1.8	8
2390	Long-lived mitochondrial cristae proteins in mouse heart and brain. Journal of Cell Biology, 2021, 220, .	2.3	32
2391	Synergistic Effect Induced by Gold Nanoparticles with Polyphenols Shell during Thermal Therapy: Macrophage Inflammatory Response and Cancer Cell Death Assessment. Cancers, 2021, 13, 3610.	1.7	13

#	ARTICLE	IF	CITATIONS
2392	Molecular Mechanism of Stimulation of Na-K-ATPase by Leukotriene D4 in Intestinal Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7569.	1.8	4
2394	A Molecular Pinball Machine of the Plasma Membrane Regulates Plant Growth—A New Paradigm. <i>Cells</i> , 2021, 10, 1935.	1.8	9
2395	Characterization of a novel stimulus-induced glial calcium wave in <i>Drosophila</i> larval peripheral segmental nerves and its role in PKG-modulated thermoprotection. <i>Journal of Neurogenetics</i> , 2021, 35, 221-235.	0.6	2
2396	Analysis of neuronal Ca ²⁺ handling properties by combining perforated patch clamp recordings and the added buffer approach. <i>Cell Calcium</i> , 2021, 97, 102411.	1.1	5
2397	Calcium signaling in cancer progression and therapy. <i>FEBS Journal</i> , 2021, 288, 6187-6205.	2.2	33
2398	Editorial: A Hippo's View: From Molecular Basis to Translational Medicine. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 729155.	1.8	2
2399	Dysregulation of host cell calcium signaling during viral infections: Emerging paradigm with high clinical relevance. <i>Molecular Aspects of Medicine</i> , 2021, 81, 101004.	2.7	30
2400	Peroxisomes contribute to intracellular calcium dynamics in cardiomyocytes and non-excitable cells. <i>Life Science Alliance</i> , 2021, 4, e202000987.	1.3	9
2401	Anthelmintic resistance and homeostatic plasticity (<i>Brugia malayi</i>). <i>Scientific Reports</i> , 2021, 11, 14499.	1.6	7
2402	Occurrence of Calcium Oscillations in Human Spermatozoa Is Based on Spatial Signaling Enzymes Distribution. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8018.	1.8	1
2403	Calcium in the Backstage of Malaria Parasite Biology. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 708834.	1.8	9
2404	A store-operated Ca ²⁺ -entry in <i>Trypanosoma equiperdum</i> : Physiological evidences of its presence. <i>Molecular and Biochemical Parasitology</i> , 2021, 244, 111394.	0.5	3
2405	Calcium signaling induces a partial EMT. <i>EMBO Reports</i> , 2021, 22, e51872.	2.0	33
2406	Hinge Binder Scaffold Hopping Identifies Potent Calcium/Calmodulin-Dependent Protein Kinase Kinase 2 (CAMKK2) Inhibitor Chemotypes. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10849-10877.	2.9	22
2408	Calcium Ions Promote Membrane Fusion by Forming Negative-Curvature Inducing Clusters on Specific Anionic Lipids. <i>ACS Nano</i> , 2021, 15, 12880-12887.	7.3	23
2411	Tannic acid attenuates vascular calcification-induced proximal tubular cells damage through paracrine signaling. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111762.	2.5	4
2412	RyR-mediated Ca ²⁺ release elicited by neuronal activity induces nuclear Ca ²⁺ signals, CREB phosphorylation, and Npas4/RyR2 expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	23
2415	Acute vaping exacerbates microbial pneumonia due to calcium (Ca ²⁺) dysregulation. <i>PLoS ONE</i> , 2021, 16, e0256166.	1.1	5

#	ARTICLE	IF	CITATIONS
2416	Programmable DNAzyme Computing for Specific <i>In Vivo</i> Imaging: Intracellular Stimulus-Unlocked Target Sensing and Signal Amplification. <i>Analytical Chemistry</i> , 2021, 93, 12456-12463.	3.2	21
2418	Calcium Signaling Mechanisms Across Kingdoms. <i>Annual Review of Cell and Developmental Biology</i> , 2021, 37, 311-340.	4.0	98
2419	Nonlinear signal transduction network with multistate. <i>Chinese Physics B</i> , 0, , .	0.7	1
2420	Coarse-Grained Modeling and Molecular Dynamics Simulations of Ca ²⁺ -Calmodulin. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 661322.	1.6	5
2421	Illuminating the hidden world of calcium ions in plants with a universe of indicators. <i>Plant Physiology</i> , 2021, 187, 550-571.	2.3	37
2422	PGRS Domain of Rv0297 of <i>Mycobacterium tuberculosis</i> Functions in A Calcium Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9390.	1.8	7
2423	Effect of a chemical dispersant (Corexit 9500A) on the structure and ion transport function of blue crab (<i>Callinectes sapidus</i>) gills. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 247, 109070.	1.3	3
2424	MCU-complex-mediated mitochondrial calcium signaling is impaired in Barth syndrome. <i>Human Molecular Genetics</i> , 2022, 31, 376-385.	1.4	10
2425	Heterogeneous response of cancer-associated fibroblasts to the glucose deprivation through mitochondrial calcium uniporter. <i>Experimental Cell Research</i> , 2021, 406, 112778.	1.2	1
2426	SMARCA4/2 loss inhibits chemotherapy-induced apoptosis by restricting IP3R3-mediated Ca ²⁺ flux to mitochondria. <i>Nature Communications</i> , 2021, 12, 5404.	5.8	20
2427	Reducing Myosin II and ATP-Dependent Mechanical Activity Increases Order and Stability of Intracellular Organelles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10369.	1.8	2
2428	The CACNA1A Mutant Disrupts Lysosome Calcium Homeostasis in Cerebellar Neurons and the Resulting Endo-Lysosomal Fusion Defect Can be Improved by Calcium Modulation. <i>Neurochemical Research</i> , 2021, , 1.	1.6	5
2429	The calcium-dependent protease calpain in neuronal remodeling and neurodegeneration. <i>Trends in Neurosciences</i> , 2021, 44, 741-752.	4.2	30
2430	Ca ²⁺ sensor-mediated ROS scavenging suppresses rice immunity and is exploited by a fungal effector. <i>Cell</i> , 2021, 184, 5391-5404.e17.	13.5	117
2431	Spontaneous calcium responses of SF2 rat dental epithelial cells stably expressing the calcium sensor G-GECO. <i>Biomedical Research</i> , 2021, 42, 193-201.	0.3	0
2432	CREB regulates the expression of type 1 inositol 1,4,5-trisphosphate receptors. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	8
2433	Inhibition of IP3R/Ca ²⁺ Dysregulation Protects Mice From Ventilator-Induced Lung Injury via Endoplasmic Reticulum and Mitochondrial Pathways. <i>Frontiers in Immunology</i> , 2021, 12, 729094.	2.2	26
2434	CaMK4 Is a Downstream Effector of the $\hat{\pm}$ 1G T-type Calcium Channel to Determine the Angiogenic Potential of Pulmonary Microvascular Endothelial Cells. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C964-C977.	2.1	2

#	ARTICLE	IF	CITATIONS
2435	Calcium in Signaling: Its Specificity and Vulnerabilities toward Biogenic and Abiogenic Metal Ions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10419-10431.	1.2	6
2436	Baicalin Enhances Chemosensitivity to Doxorubicin in Breast Cancer Cells via Upregulation of Oxidative Stress-Mediated Mitochondria-Dependent Apoptosis. <i>Antioxidants</i> , 2021, 10, 1506.	2.2	17
2437	Regulation of cell quiescenceâ€“proliferation balance by Ca ²⁺ â€“CaMKâ€“Akt signaling. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	9
2438	Differences in cortical contractile properties between healthy epithelial and cancerous mesenchymal breast cells. <i>New Journal of Physics</i> , 2021, 23, 103020.	1.2	10
2439	CD38 in the age of COVID-19: a medical perspective. <i>Physiological Reviews</i> , 2021, 101, 1457-1486.	13.1	32
2440	Receptor-specific Ca ²⁺ oscillation patterns mediated by differential regulation of P2Y purinergic receptors in rat hepatocytes. <i>IScience</i> , 2021, 24, 103139.	1.9	2
2441	The anticancer effect of extract of medicinal mushroom <i>Sanghuangprou vaninii</i> against human cervical cancer cell via endoplasmic reticulum stress-mitochondrial apoptotic pathway. <i>Journal of Ethnopharmacology</i> , 2021, 279, 114345.	2.0	24
2442	Functions of elements in soil microorganisms. <i>Microbiological Research</i> , 2021, 252, 126832.	2.5	55
2443	A DNAzyme-gold nanostar probe for SERS-fluorescence dual-mode detection and imaging of calcium ions in living cells. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130596.	4.0	17
2444	Ca ²⁺ as activator of pseudoperoxidase activity of pigeon, Eurasian woodcock and chicken myoglobins: New features for meat preservation studies. <i>Food Chemistry</i> , 2021, 363, 130234.	4.2	2
2445	Role of calcium oscillations in sperm physiology. <i>BioSystems</i> , 2021, 209, 104524.	0.9	17
2446	The calciumâ€“iron connection in ferroptosis-mediated neuronal death. <i>Free Radical Biology and Medicine</i> , 2021, 175, 28-41.	1.3	35
2447	Influence of mineral coatings on fibroblast behaviour: The importance of coating formulation and experimental design. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112059.	2.5	0
2448	Calcium signaling and regulation of ecdysteroidogenesis in crustacean Y-organs. <i>General and Comparative Endocrinology</i> , 2021, 314, 113901.	0.8	6
2449	Osteocyte calcium signaling â€“ A potential translator of mechanical load to mechanobiology. <i>Bone</i> , 2021, 153, 116136.	1.4	6
2450	An experimental strategy to probe Gq contribution to signal transduction in living cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100472.	1.6	22
2451	Cobalt amine complexes and Ru265 interact with the DIME region of the mitochondrial calcium uniporter. <i>Chemical Communications</i> , 2021, 57, 6161-6164.	2.2	14
2452	The ER-mitochondria Ca ²⁺ signaling in cancer progression: Fueling the monster. <i>International Review of Cell and Molecular Biology</i> , 2021, 363, 49-121.	1.6	15

#	ARTICLE	IF	CITATIONS
2453	Inhibitory Mechanism of the Isoflavone Derivative Genistein in the Human Ca _v 3.3 Channel. ACS Chemical Neuroscience, 2021, 12, 651-659.	1.7	10
2454	Neochlorogenic acid anchors MCU-based calcium overload for cancer therapy. Food and Function, 2021, 12, 11387-11398.	2.1	8
2455	The vascular system: components, signaling, and regulation. , 2021, , 3-13.		2
2457	Calcium dynamics and chromatin remodelling underlie heterogeneity in prolactin transcription. Journal of Molecular Endocrinology, 2021, 66, 59-69.	1.1	1
2458	Contribution of Monovalent (Na ⁺ and K ⁺) and Divalent (Ca ²⁺) Ions to the Mechanisms of Synaptic Plasticity. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2021, 15, 1-20.	0.3	0
2459	Trans-2-enoyl-CoA reductase limits Ca ²⁺ accumulation in the endoplasmic reticulum by inhibiting the Ca ²⁺ pump SERCA2b. Journal of Biological Chemistry, 2021, 296, 100310.	1.6	5
2460	Mitochondrial Ca ²⁺ homeostasis in trypanosomes. International Review of Cell and Molecular Biology, 2021, 362, 261-289.	1.6	7
2461	Description of AtCAX4 in Response to Abiotic Stress in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 856.	1.8	3
2462	Calmodulin: The switch button of calcium signaling. Tzu Chi Medical Journal, 2022, 34, 15.	0.4	8
2463	Endolysosomal TRPMLs in Cancer. Biomolecules, 2021, 11, 65.	1.8	17
2466	How microglia sense and regulate neuronal activity. Glia, 2021, 69, 1637-1653.	2.5	90
2467	Systems biology of cellular membranes: a convergence with biophysics. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2017, 9, e1386.	6.6	31
2468	Induction of Ca ²⁺ -Dependent Exocytotic Processes by Laser Ablation of Endothelial Cells. Methods in Molecular Biology, 2021, 2233, 287-300.	0.4	4
2469	Aspects of Cadmium Neurotoxicity. , 2012, , 703-749.		4
2470	Cadmium Neurotoxicity and Its Role in Brain Disorders. , 2012, , 751-766.		4
2471	Fluorescent Probes for the Analysis of Labile Metals in Brain Cells. Neuromethods, 2017, , 51-70.	0.2	1
2472	Measuring Intracellular Calcium Signaling in Murine NK Cells by Flow Cytometry. Methods in Molecular Biology, 2010, 612, 149-157.	0.4	9
2473	Analysis of Calcium Transients in Cardiac Myocytes and Assessment of the Sarcoplasmic Reticulum Ca ²⁺ -ATPase Contribution. Methods in Molecular Biology, 2012, 798, 411-421.	0.4	4

#	ARTICLE	IF	CITATIONS
2474	Molecular Insights into Calcium Dependent Regulation of Ryanodine Receptor Calcium Release Channels. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 321-336.	0.8	20
2475	Sarco-Endoplasmic Reticulum Calcium Release Model Based on Changes in the Luminal Calcium Content. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 337-370.	0.8	11
2476	Calcium Signaling and Gene Expression. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 537-545.	0.8	66
2477	ER-Mitochondria Calcium Transfer, Organelle Contacts and Neurodegenerative Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 719-746.	0.8	29
2478	High-Throughput Fluorescence Assays for Ion Channels and GPCRs. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 27-72.	0.8	13
2479	Simulation Strategies for Calcium Microdomains and Calcium Noise. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 771-797.	0.8	2
2480	Calcium Dynamics and Synaptic Plasticity. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 965-984.	0.8	51
2481	Calcium Signaling During Brain Aging and Its Influence on the Hippocampal Synaptic Plasticity. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 985-1012.	0.8	15
2482	Functions and Mechanisms of the Human Ribosome-Translocon Complex. <i>Sub-Cellular Biochemistry</i> , 2019, 93, 83-141.	1.0	15
2483	Molecular Mechanisms of Calcium Signaling During Phagocytosis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1246, 103-128.	0.8	8
2484	Self-Organization in Cells. <i>The Frontiers Collection</i> , 2011, , 219-238.	0.1	4
2485	Proton Modulation of Cardiac I _{Na} : A Potential Arrhythmogenic Trigger. <i>Handbook of Experimental Pharmacology</i> , 2014, 221, 169-181.	0.9	12
2487	Physiology and Pathology of Voltage-Gated T-Type Calcium Channels. , 2015, , 3-17.		2
2488	Development and Optimization of FLIPR High Throughput Calcium Assays for Ion Channels and GPCRs. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 45-82.	0.8	30
2489	Stem Cells and Calcium Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 891-916.	0.8	109
2490	Proteinase-Activated Receptors (PARs) and Calcium Signaling in Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 979-1000.	0.8	16
2491	Calcium Signaling: A Communication Network that Regulates Cellular Processes. , 2019, , 279-309.		8
2492	Calcium signaling: breast cancer's approach to manipulation of cellular circuitry. <i>Biophysical Reviews</i> , 2020, 12, 1343-1359.	1.5	16

#	ARTICLE	IF	CITATIONS
2493	Intracellular Calcium Waves. , 2013, , 640-647.		3
2494	Bcl-2 family proteins, beyond the veil. <i>International Review of Cell and Molecular Biology</i> , 2020, 351, 1-22.	1.6	25
2495	Early changes in cartilage pericellular matrix micromechanobiology portend the onset of post-traumatic osteoarthritis. <i>Acta Biomaterialia</i> , 2020, 111, 267-278.	4.1	65
2496	Large-scale screening of molecules involved in virus-host interaction by specific compounds in <i>Cherax quadricarinatus</i> hematopoietic tissue cells. <i>Aquaculture</i> , 2020, 527, 735435.	1.7	1
2497	Intracellular Ca ²⁺ signaling mediates IGF-1-induced osteogenic differentiation in bone marrow mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 200-206.	1.0	19
2498	Acute exposure to bis(2-ethylhexyl)phthalate disrupts calcium homeostasis, energy metabolism and induces oxidative stress in the testis of <i>Danio rerio</i> . <i>Biochimie</i> , 2020, 175, 23-33.	1.3	15
2499	IP3 receptor-mediated Ca ²⁺ release from acidocalcisomes regulates mitochondrial bioenergetics and prevents autophagy in <i>Trypanosoma cruzi</i> . <i>Cell Calcium</i> , 2020, 92, 102284.	1.1	32
2500	Rewiring of endogenous signaling pathways to genomic targets for therapeutic cell reprogramming. <i>Nature Communications</i> , 2020, 11, 608.	5.8	32
2501	Genome-wide identification and biochemical characterization of calcineurin B-like calcium sensor proteins in <i>Chlamydomonas reinhardtii</i> . <i>Biochemical Journal</i> , 2020, 477, 1879-1892.	1.7	5
2502	Structural dynamics of P-type ATPase ion pumps. <i>Biochemical Society Transactions</i> , 2019, 47, 1247-1257.	1.6	53
2503	Conserved biophysical features of the CaV2 presynaptic Ca ²⁺ channel homologue from the early-diverging animal <i>Trichoplax adhaerens</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 18553-18578.	1.6	4
2504	Calmodulinopathies: throwing back the veil on the newest life-threatening genetic arrhythmia syndrome. <i>Current Opinion in Cardiology</i> , 2021, 36, 61-66.	0.8	3
2521	Calcium sensing receptor-dependent and receptor-independent activation of osteoblast replication and survival by strontium ranelate. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2189-2199.	1.6	41
2522	Reactive Oxygen Intermediates, pH, and Calcium. , 0, , 215-228.		1
2523	USP16-mediated deubiquitination of calcineurin A controls peripheral T cell maintenance. <i>Journal of Clinical Investigation</i> , 2019, 129, 2856-2871.	3.9	39
2524	Blockade of NOX2 and STIM1 signaling limits lipopolysaccharide-induced vascular inflammation. <i>Journal of Clinical Investigation</i> , 2013, 123, 887-902.	3.9	163
2525	Inhibition of the TRPC5 ion channel protects the kidney filter. <i>Journal of Clinical Investigation</i> , 2013, 123, 5298-5309.	3.9	145
2526	Blocking mitochondrial calcium release in Schwann cells prevents demyelinating neuropathies. <i>Journal of Clinical Investigation</i> , 2016, 126, 1023-1038.	3.9	14

#	ARTICLE	IF	CITATIONS
2527	Store-operated Ca ²⁺ entry regulates glioma cell migration and invasion via modulation of Pyk2 phosphorylation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2014, 33, 98.	3.5	18
2528	Recent insights into the molecular mechanisms of the NLRP3 inflammasome activation. <i>F1000Research</i> , 2016, 5, 1469.	0.8	136
2529	Cellular Architecture Regulates Collective Calcium Signaling and Cell Contractility. <i>PLoS Computational Biology</i> , 2016, 12, e1004955.	1.5	9
2530	Methionine Mistranslation Bypasses the Restraint of the Genetic Code to Generate Mutant Proteins with Distinct Activities. <i>PLoS Genetics</i> , 2015, 11, e1005745.	1.5	21
2531	Arabidopsis CaM1 and CaM4 Promote Nitric Oxide Production and Salt Resistance by Inhibiting S-Nitrosoglutathione Reductase via Direct Binding. <i>PLoS Genetics</i> , 2016, 12, e1006255.	1.5	65
2532	Tissue-Tissue Interaction-Triggered Calcium Elevation Is Required for Cell Polarization during <i>Xenopus</i> Gastrulation. <i>PLoS ONE</i> , 2010, 5, e8897.	1.1	36
2533	Exposure to GSM RF Fields Does Not Affect Calcium Homeostasis in Human Endothelial Cells, Rat Pheochromocytoma Cells or Rat Hippocampal Neurons. <i>PLoS ONE</i> , 2010, 5, e11828.	1.1	42
2534	Calcium Signaling Is Involved in Cadmium-Induced Neuronal Apoptosis via Induction of Reactive Oxygen Species and Activation of MAPK/mTOR Network. <i>PLoS ONE</i> , 2011, 6, e19052.	1.1	158
2535	Remodeling of Purinergic Receptor-Mediated Ca ²⁺ Signaling as a Consequence of EGF-Induced Epithelial-Mesenchymal Transition in Breast Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e23464.	1.1	52
2536	RET PLC β 3 Phosphotyrosine Binding Domain Regulates Ca ²⁺ Signaling and Neocortical Neuronal Migration. <i>PLoS ONE</i> , 2012, 7, e31258.	1.1	22
2537	Identification of a Novel Calcium Binding Motif Based on the Detection of Sequence Insertions in the Animal Peroxidase Domain of Bacterial Proteins. <i>PLoS ONE</i> , 2012, 7, e40698.	1.1	15
2538	The Evolutionary History of Sarco(endo)plasmic Calcium ATPase (SERCA). <i>PLoS ONE</i> , 2012, 7, e52617.	1.1	44
2539	L-Type Calcium Channels Play a Critical Role in Maintaining Lens Transparency by Regulating Phosphorylation of Aquaporin-0 and Myosin Light Chain and Expression of Connexins. <i>PLoS ONE</i> , 2013, 8, e64676.	1.1	24
2540	Identification of Novel Amelogenin-Binding Proteins by Proteomics Analysis. <i>PLoS ONE</i> , 2013, 8, e78129.	1.1	15
2541	Nicotine Activates YAP1 through nAChRs Mediated Signaling in Esophageal Squamous Cell Cancer (ESCC). <i>PLoS ONE</i> , 2014, 9, e90836.	1.1	23
2542	Protein Kinase C Overexpression Suppresses Calcineurin-Associated Defects in <i>Aspergillus nidulans</i> and Is Involved in Mitochondrial Function. <i>PLoS ONE</i> , 2014, 9, e104792.	1.1	15
2543	Upregulation of Intermediate-Conductance Ca ²⁺ -Activated K ⁺ Channels (KCNN4) in Porcine Coronary Smooth Muscle Requires NADPH Oxidase 5 (NOX5). <i>PLoS ONE</i> , 2014, 9, e105337.	1.1	27
2544	Oral Administration of Royal Jelly Restores Tear Secretion Capacity in Rat Blink-Suppressed Dry Eye Model by Modulating Lacrimal Gland Function. <i>PLoS ONE</i> , 2014, 9, e106338.	1.1	12

#	ARTICLE	IF	CITATIONS
2545	Cardiac-Specific Inhibition of Kinase Activity in Calcium/Calmodulin-Dependent Protein Kinase Kinase- β^2 Leads to Accelerated Left Ventricular Remodeling and Heart Failure after Transverse Aortic Constriction in Mice. PLoS ONE, 2014, 9, e108201.	1.1	15
2546	Prolonged Mechanical Stretch Initiates Intracellular Calcium Oscillations in Human Mesenchymal Stem Cells. PLoS ONE, 2014, 9, e109378.	1.1	25
2547	Selective Calcium Sensitivity in Immature Glioma Cancer Stem Cells. PLoS ONE, 2014, 9, e115698.	1.1	23
2548	Modulation of Intracellular Calcium Levels by Calcium Lactate Affects Colon Cancer Cell Motility through Calcium-Dependent Calpain. PLoS ONE, 2015, 10, e0116984.	1.1	23
2549	Deep mRNA Sequencing of the Tritonia diomedea Brain Transcriptome Provides Access to Gene Homologues for Neuronal Excitability, Synaptic Transmission and Peptidergic Signalling. PLoS ONE, 2015, 10, e0118321.	1.1	24
2550	Different Stress-Induced Calcium Signatures Are Reported by Aequorin-Mediated Calcium Measurements in Living Cells of Aspergillus fumigatus. PLoS ONE, 2015, 10, e0138008.	1.1	20
2551	On the Computing Potential of Intracellular Vesicles. PLoS ONE, 2015, 10, e0139617.	1.1	17
2552	Cadmium Induces Apoptosis in Freshwater Crab Sinopotamon henanense through Activating Calcium Signal Transduction Pathway. PLoS ONE, 2015, 10, e0144392.	1.1	13
2553	Virulent Diuraphis noxia Aphids Over-Express Calcium Signaling Proteins to Overcome Defenses of Aphid-Resistant Wheat Plants. PLoS ONE, 2016, 11, e0146809.	1.1	12
2554	Calcium Stimulates Self-Assembly of Protein Kinase C $\hat{\pm}$ In Vitro. PLoS ONE, 2016, 11, e0162331.	1.1	9
2555	Hepatitis B virus modulates store-operated calcium entry to enhance viral replication in primary hepatocytes. PLoS ONE, 2017, 12, e0168328.	1.1	27
2556	Comparative Transcriptomic Study of Muscle Provides New Insights into the Growth Superiority of a Novel Grouper Hybrid. PLoS ONE, 2016, 11, e0168802.	1.1	38
2557	Fate of tenogenic differentiation potential of human bone marrow stromal cells by uniaxial stretching affected by stretch-activated calcium channel agonist gadolinium. PLoS ONE, 2017, 12, e0178117.	1.1	11
2558	Effect of calcium electroporation in combination with metformin in vivo and correlation between viability and intracellular ATP level after calcium electroporation in vitro. PLoS ONE, 2017, 12, e0181839.	1.1	39
2559	Prognostic relevance of a T-type calcium channels gene signature in solid tumours: A correlation ready for clinical validation. PLoS ONE, 2017, 12, e0182818.	1.1	17
2560	CBP7 Interferes with the Multicellular Development of Cells by Inhibiting Chemoattractant-Mediated Cell Aggregation. Molecules and Cells, 2018, 41, 103-109.	1.0	2
2561	Calcium signaling and transcription: elongation, DoGs, and eRNAs. Receptors & Clinical Investigation, 2016, 3, .	0.9	8
2562	Transmembrane Prolyl 4-Hydroxylase is a Novel Regulator of Calcium Signaling in Astrocytes. ENeuro, 2021, 8, ENEURO.0253-20.2020.	0.9	10

#	ARTICLE	IF	CITATIONS
2563	Mitochondrial Ca ²⁺ levels lower down rate of metabolic diseases and cardiomyopathies. Journal of Stem Cell Research & Therapeutics, 2018, 4, .	0.1	1
2565	The Adsorption of Calmoduline via Nicotinamide Immobilized Poly(HEMA-GMA) Cryogels. Journal of the Turkish Chemical Society, Section A: Chemistry, 2017, 4, 133-133.	0.4	18
2566	TRPC1/TRPC3 channels mediate lysophosphatidylcholine-induced apoptosis in cultured human coronary artery smooth muscles cells. Oncotarget, 2016, 7, 50937-50951.	0.8	25
2567	Essential role of Na ⁺ /Ca ²⁺ exchanger 1 in smoking-induced growth and migration of esophageal squamous cell carcinoma. Oncotarget, 2016, 7, 63816-63828.	0.8	16
2568	Large-scale DNA methylation expression analysis across 12 solid cancers reveals hypermethylation in the calcium-signaling pathway. Oncotarget, 2017, 8, 11868-11876.	0.8	24
2569	Release of Ca ²⁺ from the endoplasmic reticulum and its subsequent influx into mitochondria trigger celastrol-induced paraptosis in cancer cells. Oncotarget, 2014, 5, 6816-6831.	0.8	107
2570	A small molecule regulator of tissue transglutaminase conformation inhibits the malignant phenotype of cancer cells. Oncotarget, 2018, 9, 34379-34397.	0.8	11
2571	Fluoxetine, an antidepressant, suppresses glioblastoma by evoking AMPAR-mediated calcium-dependent apoptosis. Oncotarget, 2015, 6, 5088-5101.	0.8	65
2572	PERK/CHOP contributes to the CGK733-induced vesicular calcium sequestration which is accompanied by non-apoptotic cell death. Oncotarget, 2015, 6, 25252-25265.	0.8	13
2573	CD147 reinforces [Ca ²⁺] _i oscillations and promotes oncogenic progression in hepatocellular carcinoma. Oncotarget, 2015, 6, 34831-34845.	0.8	12
2574	Crosstalk between Ca ²⁺ signaling and mitochondrial H ₂ O ₂ is required for rotenone inhibition of mTOR signaling pathway leading to neuronal apoptosis. Oncotarget, 2016, 7, 7534-7549.	0.8	26
2575	Transglutaminase in Receptor and Neurotransmitter-Regulated Functions. Med One, 2018, 3, .	1.5	3
2576	Signal Transduction Pathways as Therapeutic Target for Chagas Disease. Current Medicinal Chemistry, 2019, 26, 6572-6589.	1.2	17
2577	Targeting the Endothelial Ca ²⁺ Toolkit to Rescue Endothelial Dysfunction in Obesity Associated-Hypertension. Current Medicinal Chemistry, 2020, 27, 240-257.	1.2	22
2578	Excitotoxicity as a Target Against Neurodegenerative Processes. Current Pharmaceutical Design, 2020, 26, 1251-1262.	0.9	54
2579	Live Mitochondrial or Cytosolic Calcium Imaging Using Genetically-encoded Cameleon Indicator in Mammalian Cells. Bio-protocol, 2020, 10, e3504.	0.2	1
2580	Physiological and pathophysiological functions of SOCE in the immune system. Frontiers in Bioscience - Elite, 2012, E4, 2253-2268.	0.9	72
2581	Zooxanthellae that open calcium channels: implications for reef corals. Marine Ecology - Progress Series, 2012, 460, 277-287.	0.9	12

#	ARTICLE	IF	CITATIONS
2582	Calsequestrin Distribution, Structure and Function, Its Role in Normal and Pathological Situations and the Effect of Thyroid Hormones. <i>Physiological Research</i> , 2011, 60, 439-452.	0.4	32
2584	LipiSensors: Exploiting Lipid Nanoemulsions to Fabricate Ionophore-Based Nanosensors. <i>Biosensors</i> , 2020, 10, 120.	2.3	7
2585	Intracellular Calcium Dysregulation by the Alzheimer's Disease-Linked Protein Presenilin 2. <i>International Journal of Molecular Sciences</i> , 2020, 21, 770.	1.8	42
2586	Roles of Na ⁺ /Ca ²⁺ exchanger 1 in digestive system physiology and pathophysiology. <i>World Journal of Gastroenterology</i> , 2019, 25, 287-299.	1.4	19
2587	Protein kinase CK2 and ion channels (Review). <i>Biomedical Reports</i> , 2020, 13, 1-1.	0.9	18
2588	Therapeutic targets of thunder god vine (<i>Tripterygium wilfordii hook</i>) in rheumatoid arthritis (Review). <i>Molecular Medicine Reports</i> , 2020, 21, 2303-2310.	1.1	15
2589	Curcumin increases the sensitivity of K562/DOX cells to doxorubicin by targeting S100 calcium-binding protein A8 and P-glycoprotein. <i>Oncology Letters</i> , 2020, 19, 83-92.	0.8	15
2590	Signaling hubs at ER/mitochondrial membrane associations. <i>AIMS Biophysics</i> , 2017, 4, 222-239.	0.3	2
2591	Nanoparticles and potential neurotoxicity: focus on molecular mechanisms. <i>AIMS Molecular Science</i> , 2018, 5, 1-13.	0.3	26
2592	Asenapine modulates nitric oxide release and calcium movements in cardiomyoblasts. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2016, 7, 6-14.	0.2	6
2593	Panax ginseng induces the expression of CatSper genes and sperm hyperactivation. <i>Asian Journal of Andrology</i> , 2014, 16, 845.	0.8	17
2594	Downregulation of signal transduction and STAT3 expression exacerbates oxidative stress mediated by NLRP3 inflammasome. <i>Neural Regeneration Research</i> , 2018, 13, 2147.	1.6	19
2595	Shuffling the cards in signal transduction: Calcium, arachidonic acid and mechanosensitivity. <i>World Journal of Biological Chemistry</i> , 2011, 2, 59.	1.7	23
2596	Modulation of the matrix redox signaling by mitochondrial Ca ²⁺ . <i>World Journal of Biological Chemistry</i> , 2015, 6, 310.	1.7	23
2597	Synthesis and Biological Evaluation of 1-Heteroarylmethyl 1,4-Diazepanes Derivatives as Potential T-type Calcium Channel Blockers. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3063-3073.	1.0	5
2598	Development of Silicon-substituted Xanthene Dyes and Their Application to Fluorescent Probes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 512-520.	0.0	3
2599	Molecular mechanisms of triggering, amplifying and targeting RANK signaling in osteoclasts. <i>World Journal of Orthopedics</i> , 2012, 3, 167.	0.8	32
2600	Ca ²⁺ -regulated ion channels. <i>BMB Reports</i> , 2011, 44, 635-646.	1.1	10

#	ARTICLE	IF	CITATIONS
2601	Regulation of S100G Expression in the Uterine Endometrium during Early Pregnancy in Pigs. Asian-Australasian Journal of Animal Sciences, 2012, 25, 44-51.	2.4	14
2602	Massive induction of apoptosis of multicellular tumor spheroids by a novel compound with a calmodulin inhibitor-like mechanism. Journal of Cancer Therapeutics & Research, 2013, 2, 19.	1.2	5
2603	Distinct mechanisms regulating mechanical force-induced Ca ²⁺ signals at the plasma membrane and the ER in human MSCs. ELife, 2015, 4, e04876.	2.8	90
2604	Ion channels and calcium signaling in motile cilia. ELife, 2015, 4, .	2.8	37
2605	Atypical calcium regulation of the PKD2-L1 polycystin ion channel. ELife, 2016, 5, .	2.8	41
2606	The endoplasmic reticulum, not the pH gradient, drives calcium refilling of lysosomes. ELife, 2016, 5, .	2.8	160
2607	Calcium dynamics regulating the timing of decision-making in <i>C. elegans</i> . ELife, 2017, 6, .	2.8	50
2608	Shigella entry unveils a calcium/calpain-dependent mechanism for inhibiting sumoylation. ELife, 2017, 6, .	2.8	16
2609	Allosteric regulators selectively prevent Ca ²⁺ -feedback of Ca _v and Na _v channels. ELife, 2018, 7, .	2.8	31
2610	Structures reveal opening of the store-operated calcium channel Orai. ELife, 2018, 7, .	2.8	77
2611	Cell-autonomous regulation of epithelial cell quiescence by calcium channel Trpv6. ELife, 2019, 8, .	2.8	20
2612	IP3 mediated global Ca ²⁺ signals arise through two temporally and spatially distinct modes of Ca ²⁺ release. ELife, 2020, 9, .	2.8	34
2613	Spatially compartmentalized phase regulation of a Ca ²⁺ -cAMP-PKA oscillatory circuit. ELife, 2020, 9, .	2.8	31
2614	Structural insights into the Ca ²⁺ -dependent gating of the human mitochondrial calcium uniporter. ELife, 2020, 9, .	2.8	34
2615	Separate Detection of Sodium and Potassium Ions with Sub-micropipette Probe. Japanese Journal of Applied Physics, 2011, 50, 08LB13.	0.8	8
2616	An aggregation-induced emission platform for efficient Golgi apparatus and endoplasmic reticulum specific imaging. Chemical Science, 2021, 12, 13949-13957.	3.7	12
2617	Simultaneous Monitoring Cytoplasmic Calcium Ion and Cell Surface Phosphatidylserine in the Necrotic Touch Neurons of <i>Caenorhabditis elegans</i> . Bio-protocol, 2021, 11, e4187.	0.2	1
2618	Two-Pore Channels in Cancer Hallmarks: An Update Review. Biomedical and Pharmacology Journal, 2021, 14, 1481-1500.	0.2	0

#	ARTICLE	IF	CITATIONS
2619	Modulation of Adaptive Immunity and Viral Infections by Ion Channels. <i>Frontiers in Physiology</i> , 2021, 12, 736681.	1.3	8
2620	A <i>Parachlorella kessleri</i> (Trebouxiophyceae, Chlorophyta) strain tolerant to high concentration of calcium chloride. <i>Journal of Eukaryotic Microbiology</i> , 2022, 69, e12872.	0.8	2
2621	Mitochondria regulate TRPV4-mediated release of ATP. <i>British Journal of Pharmacology</i> , 2022, 179, 1017-1032.	2.7	6
2623	Altered SERCA Expression in Breast Cancer. <i>Medicina (Lithuania)</i> , 2021, 57, 1074.	0.8	8
2625	Termination of Ca ²⁺ puffs during IP ₃ -evoked global Ca ²⁺ signals. <i>Cell Calcium</i> , 2021, 100, 102494.	1.1	4
2626	Targeted Activation of G-Protein Coupled Receptor-Mediated Ca ²⁺ Signaling Drives Enhanced Cartilage-Like Matrix Formation. <i>Tissue Engineering - Part A</i> , 2022, 28, 405-419.	1.6	2
2627	Roles of Non-Canonical Wnt Signalling Pathways in Bone Biology. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10840.	1.8	35
2628	Role of Hydration in Magnesium versus Calcium Ion Pairing with Carboxylate: Solution and the Aqueous Interface. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11308-11319.	1.2	13
2629	Physiological Functions of CRAC Channels. <i>Annual Review of Physiology</i> , 2022, 84, 355-379.	5.6	53
2630	Mitochondrial calcium exchange in physiology and disease. <i>Physiological Reviews</i> , 2022, 102, 893-992.	13.1	115
2631	Resolving macrophage polarization through distinct Ca ²⁺ entry channel that maintains intracellular signaling and mitochondrial bioenergetics. <i>IScience</i> , 2021, 24, 103339.	1.9	15
2632	Epstein-Barr Virus Promotes Tumor Angiogenesis by Activating STIM1-Dependent Ca ²⁺ Signaling in Nasopharyngeal Carcinoma. <i>Pathogens</i> , 2021, 10, 1275.	1.2	8
2633	Engineering a calcium-dependent conformational change in Calbindin D9k by secondary elements replacement. <i>Archives of Biochemistry and Biophysics</i> , 2021, 714, 109065.	1.4	0
2634	An Emerging Role for Calcium Signaling in Cancer-Associated Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11366.	1.8	10
2635	Stereotaxic Viral Injection and Gradient-Index Lens Implantation for Deep Brain <i>Vivo</i> ; Calcium Imaging. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
2638	Probing the Ca ²⁺ mobilizing properties on primary cortical neurons of a new stable cADPR mimic. <i>Bioorganic Chemistry</i> , 2021, 117, 105401.	2.0	3
2639	Effects of RNAi-mediated plasma membrane calcium transporting ATPase and inositol 1,4,5-trisphosphate receptor gene silencing on the susceptibility of <i>Mythimna separata</i> to wilforine. <i>Ecotoxicology and Environmental Safety</i> , 2021, 227, 112909.	2.9	1
2641	Targeting Endoplasmic Reticulum Stress for Malignant Glioma Therapy. , 2009, , 1037-1056.		0

#	ARTICLE	IF	CITATIONS
2642	Effects of 5 α -dihydrotestosterone on calcium mobilization and growth of prostate cancer cell line LNCaP. Academic Journal of Second Military Medical University, 2009, 28, 1166-1170.	0.0	0
2643	Sarco/Endoplasmic Reticulum Ca ²⁺ Pump Damage by Oxidative Stress: Implications for Ca ²⁺ Entry. , 2011, , 335-342.		0
2645	Intracellular Messengers. , 2012, , 286-306.		0
2647	Ca ²⁺ Microfluorimetry in Retinal Müller Glial Cells. Methods in Molecular Biology, 2012, 935, 257-270.	0.4	1
2649	Calcium Calcium in the Regulation of Gene Expression. , 2013, , 577-583.		0
2650	Calcium in the Regulation of Gene Expression. , 2013, , 310-315.		1
2651	All-optical Regulation of Cellular Processes. , 2013, , .		0
2652	Calcium Ion Signaling System: Calcium Signatures and Sensors. Signaling and Communication in Plants, 2014, , 207-282.	0.5	0
2653	Modulation of TRPM1 and the mGluR6 Cascade in ON Bipolar Cells. , 2014, , 99-119.		0
2654	Effects of Reactive Oxygen Species on Sarco-/Endoplasmic Reticulum Ca ²⁺ Pump in Pig Coronary Artery. , 2014, , 1077-1090.		1
2657	Interaction of Calcium Signalling with Reactive Oxygen and Reactive Nitrogen Species. Signaling and Communication in Plants, 2015, , 301-316.	0.5	0
2658	Signaling Pathways in Entamoeba histolytica. , 2015, , 207-230.		0
2659	Calcium Dynamics. , 2015, , 169-170.		0
2661	Passive ion-transporting systems of sodium and calcium ions in mammalian spermatozoa. Experimental and Clinical Physiology and Biochemistry, 2015, 2015, 20-26.	0.2	0
2662	Life on the Edge: Determinants of Selective Neuronal Vulnerability in Parkinson's Disease. , 2016, , 141-173.		0
2663	New Drugs for Electrochemotherapy with Emphasis on Calcium Electroporation. , 2016, , 1-13.		0
2664	Principal Passive K ⁺ , H ⁺ , Cl ⁻ , Ca ²⁺ Transport Systems in Mammalian Spermatozoa. Experimental and Clinical Physiology and Biochemistry, 2016, 2016, 34-41.	0.2	0
2665	New Drugs for Electrochemotherapy with Emphasis on Calcium Electroporation. , 2017, , 1637-1650.		1

#	ARTICLE	IF	CITATIONS
2667	Fertility and TRP Channels. <i>Frontiers in Neuroscience</i> , 2017, , 213-228.	0.0	0
2669	Calcium intake in the Moroccan adolescents. <i>Journal of Food Science and Nutrition Therapy</i> , 2017, 3, 020-022.	0.1	0
2682	Study of Calcium Distribution in Alzheimer's Disease Using Finite Element Technique. <i>International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)</i> , 2019, 9, 35-41.	0.2	1
2693	Ultrahigh-resolution stimulation by femtosecond laser reveals existence and regulation mechanism of nuclear Ca ²⁺ store. , 2019, , .		0
2697	Light-controlled calcium signalling in prostate cancer and benign prostatic hyperplasia. <i>Future Journal of Pharmaceutical Sciences</i> , 2020, 6, .	1.1	1
2698	Basic concepts and physical-chemical phenomena, that have conceptual meaning for the formation of systemic clinical thinking and formalization of the knowledge of systemic structural-functional organization of the human's organism. <i>Pain Medicine</i> , 2020, 5, 15-62.	0.1	0
2703	Advances in Ca ²⁺ modulation of gastrointestinal anion secretion and its dysregulation in digestive disorders (Review). <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	0.8	0
2704	Proteomic Response to Environmental Stresses in the Stolon of a Highly Invasive Fouling Ascidian. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	5
2705	Pulse Duration Dependent Asymmetry in Molecular Transmembrane Transport Due to Electroporation in H9c2 Rat Cardiac Myoblast Cells In Vitro. <i>Molecules</i> , 2021, 26, 6571.	1.7	1
2706	Vascular calcium signalling and ageing. <i>Journal of Physiology</i> , 2021, 599, 5361-5377.	1.3	22
2707	Activity of TREK-2-like Channels in the Pyramidal Neurons of Rat Medial Prefrontal Cortex Depends on Cytoplasmic Calcium. <i>Biology</i> , 2021, 10, 1119.	1.3	1
2708	From spikes to intercellular waves: Tuning intercellular calcium signaling dynamics modulates organ size control. <i>PLoS Computational Biology</i> , 2021, 17, e1009543.	1.5	8
2710	<i>The cell.</i> , 2020, , 209-217.		0
2711	Mechanical View on the Endoplasmatic Reticulum and Golgi. <i>Biological and Medical Physics Series</i> , 2020, , 191-262.	0.3	0
2712	Calcium- from Nutrition to Signaling. <i>SpringerBriefs in Plant Science</i> , 2021, , 1-9.	0.4	4
2713	Wireless nanotechnologies light up the next frontier in cell Calcium signalling. <i>MRS Advances</i> , 2020, 5, 3473-3489.	0.5	2
2714	Role of Calcium Signalling During Plant's Herbivore Interaction. , 2020, , 491-510.		1
2715	Calcium Signalling. , 2020, , 53-60.		0

#	ARTICLE	IF	CITATIONS
2716	Identification and Expression Analysis of MCU Protein Family Genes in Sorghum Bicolor. Botanical Research, 2020, 09, 169-179.	0.0	2
2718	Heterotrimeric G Protein Subunit G β q is a Master Switch for G β 2 β 3-Mediated Calcium Mobilization by Gi-Coupled GPCRs. SSRN Electronic Journal, 0, , .	0.4	1
2719	Structure-Dynamic and Regulatory Specificities of Epithelial Na ⁺ /Ca ²⁺ Exchangers. Physiology in Health and Disease, 2020, , 325-380.	0.2	1
2722	Incorporation of Functionalized Calcium Phosphate Nanoparticles in Living Cells. Journal of Cluster Science, 2022, 33, 2781-2795.	1.7	3
2723	Structural Insights into Ca ²⁺ Permeation through Orai Channels. Cells, 2021, 10, 3062.	1.8	2
2724	Impact of SOCE Abolition by ORAI1 Knockout on the Proliferation, Adhesion, and Migration of HEK-293 Cells. Cells, 2021, 10, 3016.	1.8	2
2728	Canales de calcio como blanco de inter \AA s farmacol \AA gico. Nova, 2020, 18, 57-76.	0.2	0
2731	Tissue-specific isoforms of the single C. elegans Ryanodine receptor gene unc-68 control specific functions. PLoS Genetics, 2020, 16, e1009102.	1.5	7
2734	Mechanism of a methylxanthine drug theophylline-induced Ca ²⁺ signaling and cytotoxicity in AML12 mouse hepatocytes. Toxicology Research, 2021, 9, 790-797.	0.9	0
2736	Functional Expression of Adenosine Receptors in Mesenchymal Stromal Cells. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2020, 14, 344-350.	0.3	0
2737	Calcium and s100a1 protein balance in the brain \AA heart axis in diabetic male Wistar rats. Journal of Basic and Clinical Physiology and Pharmacology, 2021, 32, .	0.7	1
2740	Neuronal T-type calcium channels: what's new? Iftinca: T-type channel regulation. Journal of Medicine and Life, 2011, 4, 126-38.	0.4	31
2742	Regulation of calcium signaling in lung cancer. Journal of Thoracic Disease, 2010, 2, 52-6.	0.6	48
2744	Activation of calcium/calmodulin-dependent kinase II following bovine rotavirus enterotoxin NSP4 expression. Iranian Journal of Basic Medical Sciences, 2015, 18, 393-7.	1.0	2
2745	GABAA β 1 and GABAA β 3 subunits are expressed in cultured human RPE cells and GABAA receptor agents modify the intracellular calcium concentration. Molecular Vision, 2015, 21, 939-47.	1.1	5
2747	Inhibition of the CatSper Channel and NOX5 Enzyme Activity Affects the Functions of the Progesterone-Stimulated Human Sperm. Iranian Journal of Medical Sciences, 2018, 43, 18-25.	0.3	17
2748	Characterization of IL-2 Stimulation and TRPM7 Pharmacomodulation in NK Cell Cytotoxicity and Channel Co-Localization with PIP2 in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Patients. International Journal of Environmental Research and Public Health, 2021, 18, 11879.	1.2	2
2749	Targeting Ca ²⁺ signaling: A new arsenal against cancer. Drug Discovery Today, 2022, 27, 923-934.	3.2	13

#	ARTICLE	IF	CITATIONS
2750	Phospholipase C (AoPLC2) regulates mycelial development, trap morphogenesis, and pathogenicity of the nematode-trapping fungus <i>Arthrobotrys oligospora</i> . <i>Journal of Applied Microbiology</i> , 2022, 132, 2144-2156.	1.4	10
2751	Effect of Intravenous or Intraosseous Calcium vs Saline on Return of Spontaneous Circulation in Adults With Out-of-Hospital Cardiac Arrest. <i>JAMA - Journal of the American Medical Association</i> , 2021, 326, 2268.	3.8	44
2752	The PenV vacuolar membrane protein that controls penicillin biosynthesis is a putative member of a subfamily of stress-gated transient receptor calcium channels. <i>Current Research in Biotechnology</i> , 2021, 3, 317-322.	1.9	6
2753	Calcium Signaling Mediates Cell Death and Crosstalk with Autophagy in Kidney Disease. <i>Cells</i> , 2021, 10, 3204.	1.8	13
2755	Putative Nucleotide-Based Second Messengers in the Archaeal Model Organisms <i>Haloferax volcanii</i> and <i>Sulfolobus acidocaldarius</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 779012.	1.5	13
2756	C-ferroptosis is an iron-dependent form of regulated cell death in cyanobacteria. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	26
2757	Transmembrane Protein Ttyh1 Maintains the Quiescence of Neural Stem Cells Through Ca ²⁺ /NFATc3 Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 779373.	1.8	4
2758	Conjugated polymers mediate intracellular Ca ²⁺ signals in circulating endothelial colony forming cells through the reactive oxygen species-dependent activation of Transient Receptor Potential Vanilloid 1 (TRPV1). <i>Cell Calcium</i> , 2022, 101, 102502.	1.1	19
2759	Role of Na ⁺ /K ⁺ -ATPase in ischemic stroke: in-depth perspectives from physiology to pharmacology. <i>Journal of Molecular Medicine</i> , 2022, 100, 395-410.	1.7	9
2760	Role of Store-Operated Ca ²⁺ Entry in the Pulmonary Vascular Remodeling Occurring in Pulmonary Arterial Hypertension. <i>Biomolecules</i> , 2021, 11, 1781.	1.8	11
2761	Mesmerize is a dynamically adaptable user-friendly analysis platform for 2D and 3D calcium imaging data. <i>Nature Communications</i> , 2021, 12, 6569.	5.8	15
2762	Fluorescent Probes for the Quantification of Labile Metal Ions in Living Cells. Yuki Gosei Kagaku Kyokaishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2021, 79, 1020-1032.	0.0	0
2763	Cell-cell adhesion impacts epithelia response to substrate stiffness: Morphology and gene expression. <i>Biophysical Journal</i> , 2022, 121, 336-346.	0.2	7
2764	L-Type Ca ²⁺ Channel Regulation by Calmodulin and CaBP1. <i>Biomolecules</i> , 2021, 11, 1811.	1.8	14
2765	Calcium signaling as an integrator and decoder of niche factors to control somatic stem cell quiescence and activation. <i>FEBS Journal</i> , 2021, , .	2.2	1
2766	Spatiotemporal regulation of store-operated calcium entry in cancer metastasis. <i>Biochemical Society Transactions</i> , 2021, , .	1.6	4
2767	TRPM7 N-terminal region forms complexes with calcium binding proteins CaM and S100A1. <i>Heliyon</i> , 2021, 7, e08490.	1.4	3
2768	Homeostatic calcium fluxes, ER calcium release, SOCE, and calcium oscillations in cultured astrocytes are interlinked by a small calcium toolkit. <i>Cell Calcium</i> , 2022, 101, 102515.	1.1	7

#	ARTICLE	IF	CITATIONS
2769	Calcium Electroporation in Veterinary Medicine. , 2021, , 145-164.		0
2770	Calcium handling genes are regulated by promoter DNA methylation in colorectal cancer cells. European Journal of Pharmacology, 2022, 915, 174698.	1.7	2
2771	The Oxidative Balance Orchestrates the Main Keystones of the Functional Activity of Cardiomyocytes. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-33.	1.9	5
2772	Involvement of Ca ²⁺ and ROS signals in nickel-impaired human sperm function. Ecotoxicology and Environmental Safety, 2022, 231, 113181.	2.9	8
2773	Design, synthesis and biological evaluation of novel 1,3,4,9-tetrahydropyrano[3,4-b]indoles as potential treatment of triple negative breast cancer by suppressing PI3K/AKT/mTOR pathway. Bioorganic and Medicinal Chemistry, 2022, 55, 116594.	1.4	8
2774	Blossom-end rot: a century-old problem in tomato (<i>Solanum lycopersicum</i> L.) and other vegetables. Molecular Horticulture, 2022, 2, .	2.3	7
2775	Mass Spectrometry-Based Structural Proteomics for Metal Ion/Protein Binding Studies. Biomolecules, 2022, 12, 135.	1.8	6
2776	Metastasis enhancer PGRMC1 boosts store-operated Ca ²⁺ entry by uncoiling Ca ²⁺ sensor STIM1 for focal adhesion turnover and actomyosin formation. Cell Reports, 2022, 38, 110281.	2.9	11
2777	A New Calcium(II)-Based Substitute for Enrofloxacin with Improved Medicinal Potential. Pharmaceutics, 2022, 14, 249.	2.0	3
2778	Genome-wide Identification and Expression Analysis of CaM/CML Gene Family in Sacred Lotus (<i>Nelumbo</i>) Tj ETQq1 1.0.784314 rgBT /Ov	1.0	5
2779	Ribosome-membrane crosstalk: Co-translational targeting pathways of proteins across membranes in prokaryotes and eukaryotes. Advances in Protein Chemistry and Structural Biology, 2022, 128, 163-198.	1.0	0
2780	A Calibration-Free Measurement for Monitoring Cellular Calcium Transients Adaptively. Applied Biochemistry and Biotechnology, 2022, , 1.	1.4	0
2781	Towards an integrative understanding of cancer mechanobiology: calcium, YAP, and microRNA under biophysical forces. Soft Matter, 2022, 18, 1112-1148.	1.2	11
2782	Ca ²⁺ Signalling Differentially Regulates Germ-Tube Formation and Cell Fusion in <i>Fusarium oxysporum</i> . Journal of Fungi (Basel, Switzerland), 2022, 8, 90.	1.5	4
2783	Specific cytokines of interleukin-6 family interact with S100 proteins. Cell Calcium, 2022, 101, 102520.	1.1	11
2784	Recent advance in dual-functional luminescent probes for reactive species and common biological ions. Analytical and Bioanalytical Chemistry, 2022, 414, 5087-5103.	1.9	5
2785	Calcium Signaling Pathway Is Involved in the Shedding of ACE2 Catalytic Ectodomain: New Insights for Clinical and Therapeutic Applications of ACE2 for COVID-19. Biomolecules, 2022, 12, 76.	1.8	21
2786	Could Lower Testosterone in Older Men Explain Higher COVID-19 Morbidity and Mortalities?. International Journal of Molecular Sciences, 2022, 23, 935.	1.8	11

#	ARTICLE	IF	CITATIONS
2787	Calcium and calcium-related proteins in endometrial cancer: opportunities for pharmacological intervention. <i>International Journal of Biological Sciences</i> , 2022, 18, 1065-1078.	2.6	13
2788	Structure, Function and Regulation of the Plasma Membrane Calcium Pump in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1027.	1.8	13
2789	Comprehensive genomic insight deciphers significance of EF-hand gene family in foxtail millet [<i>Setaria italica</i> (L.) P. Beauv.]. <i>South African Journal of Botany</i> , 2022, 148, 652-665.	1.2	6
2790	Highlighting the Multifaceted Role of Orai1 N-Terminal- and Loop Regions for Proper CRAC Channel Functions. <i>Cells</i> , 2022, 11, 371.	1.8	3
2791	Editorial: The Role of Calcium Channels in Human Health and Disease. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 834108.	1.6	2
2792	Phytic acid-modified CeO ₂ as Ca ²⁺ inhibitor for a security reversal of tumor drug resistance. <i>Nano Research</i> , 2022, 15, 4334-4343.	5.8	11
2793	Generalized Diffusion Characteristics of Calcium Model with Concentration and Memory of Cells: A Spatiotemporal Approach. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2022, 46, 309-322.	0.7	8
2794	Structural biology of cation channels important for lysosomal calcium release. <i>Cell Calcium</i> , 2022, 101, 102519.	1.1	5
2795	Calcium Signals during SARS-CoV-2 Infection: Assessing the Potential of Emerging Therapies. <i>Cells</i> , 2022, 11, 253.	1.8	24
2797	Genome-Wide Association Analyses Identify <i>CATSPER1</i> as a Mediator of Colorectal Cancer Susceptibility and Progression. <i>Cancer Research</i> , 2022, 82, 986-997.	0.4	3
2798	Phenylbutyrate rescues the transport defect of the Sec61Î± mutations V67G and T185A for renin. <i>Life Science Alliance</i> , 2022, 5, e202101150.	1.3	9
2799	MiR-3017b contributes to metamorphosis by targeting sarco/endoplasmic reticulum Ca ²⁺ ATPase in <i>Tribolium castaneum</i> . <i>Insect Molecular Biology</i> , 2022, .	1.0	3
2800	Effect of Mg-Gluconate on the Osmotic Fragility of Red Blood Cells, Lipid Peroxidation, and Ca ²⁺ -ATPase (PMCA) Activity of Placental Homogenates and Red Blood Cell Ghosts From Salt-Loaded Pregnant Rats. <i>Frontiers in Physiology</i> , 2022, 13, 794572.	1.3	2
2801	Signaling Mechanisms and Pharmacological Modulators Governing Diverse Aquaporin Functions in Human Health and Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1388.	1.8	50
2802	Voltage-mediated mechanism for calcium wave synchronization and arrhythmogenesis in atrial tissue. <i>Biophysical Journal</i> , 2022, 121, 383-395.	0.2	7
2803	Characterization of Divalent Cation Interactions with AASTY Nanodiscs. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1071-1083.	2.0	5
2804	Dissecting the Mechanism of Action of Spiperone: A Candidate for Drug Repurposing for Colorectal Cancer. <i>Cancers</i> , 2022, 14, 776.	1.7	3
2805	Secretory pathway Ca ²⁺ -ATPase SPCA2 regulates mitochondrial respiration and DNA damage response through store-independent calcium entry. <i>Redox Biology</i> , 2022, 50, 102240.	3.9	9

#	ARTICLE	IF	CITATIONS
2806	Molecular Mechanisms of Interactions between Mitochondria and the Endoplasmic Reticulum: A New Look at How Important Cell Functions are Supported. <i>Molecular Biology</i> , 2022, 56, 59-71.	0.4	3
2807	A new hemostatic agent composed of Zn ²⁺ -enriched Ca ²⁺ alginate activates vascular endothelial cells in vitro and promotes tissue repair in vivo. <i>Bioactive Materials</i> , 2022, 18, 368-382.	8.6	10
2808	Estrogen-Induced Extracellular Calcium Influx Promotes Endometrial Cancer Progress by Regulating Lysosomal Activity and Mitochondrial ROS. <i>Frontiers in Medicine</i> , 2022, 9, 835700.	1.2	5
2809	Developing a Mathematical Model of Intracellular Calcium Dynamics for Evaluating Combined Anticancer Effects of Afatinib and RP4010 in Esophageal Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1763.	1.8	11
2810	Structural mechanism of allosteric activation of TRPML1 by PI(3,5)P ₂ and rapamycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	23
2811	Put in a "Ca ²⁺ -to Acute Myeloid Leukemia. <i>Cells</i> , 2022, 11, 543.	1.8	3
2812	Ion Channel Partnerships: Odd and Not-So-Odd Couples Controlling Neuronal Ion Channel Function. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1953.	1.8	7
2813	Fluorescent protein transgenic mice for the study of Ca ²⁺ and redox signaling. <i>Free Radical Biology and Medicine</i> , 2022, 181, 241-241.	1.3	2
2814	The utilisation of resolvins in medicine and tissue engineering. <i>Acta Biomaterialia</i> , 2022, 140, 116-135.	4.1	7
2815	Calcium regulates the interplay between the tight junction and epithelial adherens junction at the plasma membrane. <i>FEBS Letters</i> , 2022, 596, 219-231.	1.3	4
2816	TT2 controls rice thermotolerance through SCT1-dependent alteration of wax biosynthesis. <i>Nature Plants</i> , 2022, 8, 53-67.	4.7	77
2817	AaTs-1: A Tetrapeptide from <i>Androctonus australis</i> Scorpion Venom, Inhibiting U87 Glioblastoma Cells Proliferation by p53 and FPRL-1 Up-Regulations. <i>Molecules</i> , 2021, 26, 7610.	1.7	7
2818	Interrelation of Ca and PE_PGRS proteins during pathogenesis. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	7
2819	Medicinal Perspective of Antibacterial Bioactive Agents in Earthworms (Clitellata, Annelida): A Comprehensive Review. <i>Journal of Oleo Science</i> , 2022, 71, 563-573.	0.6	5
2820	Novel protein from larval sponge cells, ilborin, is related to energy turnover and calcium binding and is conserved among marine invertebrates. <i>Open Biology</i> , 2022, 12, 210336.	1.5	0
2821	Ultraprotic lytic granule release from CTLs activates Ca ²⁺ -dependent synaptic resistance pathways in melanoma cells. <i>Science Advances</i> , 2022, 8, eabk3234.	4.7	10
2822	TRPM5 Channel Binds Calcium-Binding Proteins Calmodulin and S100A1. <i>Biochemistry</i> , 2022, 61, 413-423.	1.2	1
2823	Melding Synthetic Molecules and Genetically Encoded Proteins to Forge New Tools for Neuroscience. <i>Annual Review of Neuroscience</i> , 2022, 45, 131-150.	5.0	2

#	ARTICLE	IF	CITATIONS
2824	Interferon- β Activity Is Affected by S100B Protein. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1997.	1.8	5
2825	TRPC3 shapes the ER-mitochondria Ca^{2+} transfer characterizing tumour-promoting senescence. <i>Nature Communications</i> , 2022, 13, 956.	5.8	29
2827	Calcium-binding proteins S100A8, S100A9, and S100A12: expression and regulation at the maternal-conceptus interface in pigs. <i>Biology of Reproduction</i> , 2022, , .	1.2	3
2828	Calcium Signaling Regulated by Cellular Membrane Systems and Calcium Homeostasis Perturbed in Alzheimer's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 834962.	1.8	11
2829	Regulation of p53 Function by Formation of Non-Nuclear Heterologous Protein Complexes. <i>Biomolecules</i> , 2022, 12, 327.	1.8	5
2830	Baicalein Ameliorates Myocardial Ischemia Through Reduction of Oxidative Stress, Inflammation and Apoptosis via TLR4/MyD88/MAPKS/NF- κ B Pathway and Regulation of Ca^{2+} Homeostasis by L-type Ca^{2+} Channels. <i>Frontiers in Pharmacology</i> , 2022, 13, 842723.	1.6	5
2831	Population changes of <i>Daphnia</i> caused by declined calcium concentration: Evidences from population dynamics and sexual reproduction. <i>Ecotoxicology and Environmental Safety</i> , 2022, 233, 113352.	2.9	3
2832	PKC- β modulates Ca^{2+} mobilization through Stim1 phosphorylation. <i>Genes and Genomics</i> , 2022, 44, 571-582.	0.5	2
2833	Subversion of Phytomyxae Cell Communication With Surrounding Environment to Control Soilborne Diseases; A Case Study of Cytosolic Ca^{2+} Signal Disruption in Zoospores of <i>Spongospora subterranea</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 754225.	1.5	4
2834	Fertilization, Oocyte Activation, Calcium Release and Epigenetic Remodelling: Lessons From Cancer Models. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 781953.	1.8	6
2835	Calmodulin activates the Hippo signaling pathway by promoting LATS1 kinase-mediated inhibitory phosphorylation of the transcriptional coactivator YAP. <i>Journal of Biological Chemistry</i> , 2022, 298, 101839.	1.6	3
2836	Computational analysis of cortical neuronal excitotoxicity in a large animal model of neonatal brain injury. <i>Journal of Neurodevelopmental Disorders</i> , 2022, 14, 26.	1.5	3
2837	Bioelectric Dysregulation in Cancer Initiation, Promotion, and Progression. <i>Frontiers in Oncology</i> , 2022, 12, 846917.	1.3	8
2838	Calpain as a therapeutic target in cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2022, 26, 217-231.	1.5	15
2839	Chelator-Based Parameterization of the 12-6-4 Lennard-Jones Molecular Mechanics Potential for More Realistic Metal Ion-Protein Interactions. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 2367-2374.	2.3	3
2840	Ethylene Response Factor109 Attunes Immunity, Photosynthesis, and Iron Homeostasis in Arabidopsis Leaves. <i>Frontiers in Plant Science</i> , 2022, 13, 841366.	1.7	7
2841	A Piezo1/KLF15/IL-6 axis mediates immobilization-induced muscle atrophy. <i>Journal of Clinical Investigation</i> , 2022, 132, 1-13.	3.9	31
2842	Structure, Function, and Regulation of the Plasma Membrane Na^{+}/H^{+} Antiporter Salt Overly Sensitive 1 in Plants. <i>Frontiers in Plant Science</i> , 2022, 13, 866265.	1.7	13

#	ARTICLE	IF	CITATIONS
2843	Nuclear-Mitochondrial Interactions. <i>Biomolecules</i> , 2022, 12, 427.	1.8	30
2845	Identification of Key Gene Networks and Deciphering Transcriptional Regulators Associated With Peanut Embryo Abortion Mediated by Calcium Deficiency. <i>Frontiers in Plant Science</i> , 2022, 13, 814015.	1.7	12
2846	Esterase-Activated Precipitating Strategy to Achieve Highly Specific Detection and Long-Term Imaging of Calcium Ions by Aggregation-Induced Phosphorescence Probe. <i>Analytical Chemistry</i> , 2022, 94, 5406-5414.	3.2	4
2847	Organelle transporters and inter-organelle communication as drivers of metabolic regulation and cellular homeostasis. <i>Molecular Metabolism</i> , 2022, 60, 101481.	3.0	29
2849	Activation of TRPV4 Induces Exocytosis and Ferroptosis in Human Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4146.	1.8	10
2851	Fluorescent and Bioluminescent Calcium Indicators with Tuneable Colors and Affinities. <i>Journal of the American Chemical Society</i> , 2022, 144, 6928-6935.	6.6	24
2853	Intraspecific hybridization as a mitigation strategy of low salinity in marine bivalve noble scallop <i>Chlamys nobilis</i> . <i>Aquaculture</i> , 2022, 552, 738037.	1.7	5
2854	Biomaterial-induced pathway modulation for bone regeneration. <i>Biomaterials</i> , 2022, 283, 121431.	5.7	37
2855	Intercellular water exchanges trigger soliton-like waves in multicellular systems. <i>Biophysical Journal</i> , 2022, , .	0.2	0
2856	Disruption of hippocampal P2RX2/CaMKII/NF- κ B signaling contributes to learning and memory impairment in C57BL/6 mice induced by surgery plus anesthesia in neonatal period. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112897.	2.5	5
2857	A balance between calcium and nitrate promotes the growth of M9T337 apple rootstocks. <i>Scientia Horticulturae</i> , 2022, 300, 111063.	1.7	1
2858	Organelle-specific blue-emitting two-photon probes for calcium ions: Combination with green-emitting two-photon probe for simultaneous detection of proton ions. <i>Talanta</i> , 2022, 244, 123408.	2.9	2
2859	NF- κ B and EGFR participate in S1PR3-mediated human renal cell carcinomas progression. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166401.	1.8	4
2860	Structure-Function Relationships and Modifications of Cardiac Sarcoplasmic Reticulum Ca ²⁺ -Transport. <i>Physiological Research</i> , 2021, 70, S443-S470.	0.4	3
2861	Retrospective case-control study to evaluate hypocalcaemia as a distinguishing feature of COVID-19 compared with other infective pneumonias and its association with disease severity. <i>BMJ Open</i> , 2021, 11, e053810.	0.8	7
2862	Therapeutic Potential of Emerging NAD ⁺ -Increasing Strategies for Cardiovascular Diseases. <i>Antioxidants</i> , 2021, 10, 1939.	2.2	11
2864	The Important Role of Ion Transport System in Cervical Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 333.	1.8	2
2865	Alterations in the Ca ²⁺ toolkit in oesophageal adenocarcinoma. <i>Exploration of Targeted Anti-tumor Therapy</i> , 2021, 2, .	0.5	1

#	ARTICLE	IF	CITATIONS
2866	Ferrous Iron Overload Evokes Thyroidal and Interrenal Activation, Shifts Metabolite Pattern and Reverses Hepatic Ion Transporter Activities in Salinity-Acclimated Air-Breathing Fish (Anabas) Tj ETQq0 0 0 rgBT /Overlock 10 of 50 737 T		
2867	Binding Energy and Free Energy of Calcium Ion to Calmodulin EF-Hands with the Drude Polarizable Force Field. ACS Physical Chemistry Au, 2022, 2, 143-155.	1.9	7
2868	Zearalenone Exposure Disrupts Blood-Testis Barrier Integrity through Excessive Ca ²⁺ -Mediated Autophagy. Toxins, 2021, 13, 875.	1.5	17
2869	Microglia sense neuronal activity via GABA in the early postnatal hippocampus. Cell Reports, 2021, 37, 110128.	2.9	30
2871	Computational Analysis and Bifurcation of Regular and Chaotic Ca ²⁺ Oscillations. Mathematics, 2021, 9, 3324.	1.1	1
2872	<i>Aeromonas hydrophila</i> inhibits autophagy triggering cytosolic translocation of mtDNA which activates the pro-apoptotic caspase-1/IL-1 ^β -nitric oxide axis in headkidney macrophages. Virulence, 2022, 13, 60-76.	1.8	10
2874	Acute RyR1 Ca ²⁺ leak enhances NADH-linked mitochondrial respiratory capacity. Nature Communications, 2021, 12, 7219.	5.8	17
2875	Systematic Review of Calcium Channels and Intracellular Calcium Signaling: Relevance to Pesticide Neurotoxicity. International Journal of Molecular Sciences, 2021, 22, 13376.	1.8	9
2876	Substrate stiffness-dependent regulatory volume decrease and calcium signaling in chondrocytes. Acta Biochimica Et Biophysica Sinica, 2022, 54, 113-125.	0.9	4
2877	STIM1 Controls the Focal Adhesion Dynamics and Cell Migration by Regulating SOCE in Osteosarcoma. International Journal of Molecular Sciences, 2022, 23, 162.	1.8	7
2878	Ion Pathways in Biomineralization: Perspectives on Uptake, Transport, and Deposition of Calcium, Carbonate, and Phosphate. Journal of the American Chemical Society, 2021, 143, 21100-21112.	6.6	44
2880	A mechano-osmotic feedback couples cell volume to the rate of cell deformation. ELife, 2022, 11, .	2.8	27
2881	The Pan-Cancer Landscape of Crosstalk Between TRP Family and Tumour Microenvironment Relevant to Prognosis and Immunotherapy Response. Frontiers in Immunology, 2022, 13, 837665.	2.2	6
2882	Purinergic Signaling in Spermatogenesis. Frontiers in Endocrinology, 2022, 13, 867011.	1.5	2
2883	Dinitramine induces implantation failure by cell cycle arrest and mitochondrial dysfunction in porcine trophectoderm and luminal epithelial cells. Journal of Hazardous Materials, 2022, 435, 128927.	6.5	14
2885	The Impact of the Antipsychotic Medication Chlorpromazine on Cytotoxicity through Ca ²⁺ Signaling Pathway in Glial Cell Models. Neurotoxicity Research, 2022, 40, 791.	1.3	5
2886	Shaping up: Recent advances in the study of plant calcium channels. Current Opinion in Cell Biology, 2022, 76, 102080.	2.6	6
2887	A calcification-related calmodulin-like protein in the oyster <i>Crassostrea gigas</i> mediates the enhanced calcium deposition induced by CO ₂ exposure. Science of the Total Environment, 2022, 833, 155114.	3.9	6

#	ARTICLE	IF	CITATIONS
2967	Ca ²⁺ activity maps of astrocytes tagged by axoastrocytic AAV transfer. <i>Science Advances</i> , 2022, 8, eabe5371.	4.7	17
2968	Understanding the Role of Ca ²⁺ via Transient Receptor Potential (TRP) Channel in Viral Infection: Implications in Developing Future Antiviral Strategies. <i>SSRN Electronic Journal</i> , 0, .	0.4	0
2969	Fluorescent Indicators For Biological Imaging of Monatomic Ions. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 885440.	1.8	6
2970	Rapid sequence and functional diversification of a miRNA superfamily targeting calcium signaling components in seed plants. <i>New Phytologist</i> , 2022, 235, 1082-1095.	3.5	5
2971	The ER-Mitochondria Interface as a Dynamic Hub for T Cell Efficacy in Solid Tumors. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 867341.	1.8	4
2973	Endoplasmic Reticulum Stress and Its Role in Homeostasis and Immunity of Central and Peripheral Neurons. <i>Frontiers in Immunology</i> , 2022, 13, 859703.	2.2	9
2974	Norketamine, the Main Metabolite of Ketamine, Induces Mitochondria-Dependent and ER Stress-Triggered Apoptotic Death in Urothelial Cells via a Ca ²⁺ -Regulated ERK1/2-Activating Pathway. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4666.	1.8	3
2975	Reliable resistive switching and synaptic plasticity in Ar ⁺ -irradiated single-crystalline LiNbO ₃ memristor. <i>Applied Surface Science</i> , 2022, 596, 153653.	3.1	15
2976	Engineering Chemotherapeutic-Augmented Calcium Phosphate Nanoparticles for Treatment of Intraperitoneal Disseminated Ovarian Cancer. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21954-21965.	4.0	9
2977	Genome-Wide Identification of Wild Soybean Mitochondrial Calcium Uniporter Family Genes and Their Responses to Cold and Carbonate Alkaline Stresses. <i>Frontiers in Plant Science</i> , 2022, 13, 867503.	1.7	3
2978	Central and peripheral contributions of T-type calcium channels in pain. <i>Molecular Brain</i> , 2022, 15, 39.	1.3	27
2979	Depletion of resources by a population of diffusing species. <i>Physical Review E</i> , 2022, 105, .	0.8	14
2980	Key Genes Identified in Nonsyndromic Microtia by the Analysis of Transcriptomics and Proteomics. <i>ACS Omega</i> , 2022, 7, 16917-16927.	1.6	6
2981	Ä°n Vitro, Ä°n Vivo Ve Klinik Ä±alÄ±ÄŸmalarla Kanser Tedavisinde Kalsiyum Elektroporasyonun DeÄŸerlendirilmesi. <i>Black Sea Journal of Health Science</i> , 0, .	0.4	0
2982	Endoplasmic Reticulum Stress and the Unfolded Protein Response in Cerebral Ischemia/Reperfusion Injury. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, .	1.8	23
2983	Calcium Cycling as a Mediator of Thermogenic Metabolism in Adipose Tissue. <i>Molecular Pharmacology</i> , 2022, 102, 51-59.	1.0	7
2984	Upregulation of the TFEB-mediated lysosome function relieves 4-Hydroxynonenal-Induced apoptosis. <i>Chemico-Biological Interactions</i> , 2022, 362, 109963.	1.7	1
2985	Calcium wave propagation during cell extrusion. <i>Current Opinion in Cell Biology</i> , 2022, 76, 102083.	2.6	1

#	ARTICLE	IF	CITATIONS
2986	Calcium response of spatially arranged cell networks to shear stress by confined single cell patterned microfluidic chips. <i>Biochemical and Biophysical Research Communications</i> , 2022, 611, 140-145.	1.0	0
2987	Ca ²⁺ signals in plant immunity. <i>EMBO Journal</i> , 2022, 41, e110741.	3.5	82
2988	Structural basis of the conformational and functional regulation of human SERCA2b, the ubiquitous endoplasmic reticulum calcium pump. <i>BioEssays</i> , 2022, 44, e2200052.	1.2	10
2989	Verapamil Regulates the Macrophage Immunity to <i>Mycobacterium tuberculosis</i> through NF- κ B Signaling. <i>Current Molecular Medicine</i> , 2023, 23, 536-549.	0.6	0
2990	A neuropsin-based optogenetic tool for precise control of Gq signaling. <i>Science China Life Sciences</i> , 2022, 65, 1271-1284.	2.3	8
2991	Multi-omics approaches for comprehensive analysis and understanding of the immune response in the miniature pig breed. <i>PLoS ONE</i> , 2022, 17, e0263035.	1.1	1
2992	Ionised and total hypocalcaemia in pregnancy: An analysis of prevalence and risk factors in a resource-limited setting, Cameroon. <i>PLoS ONE</i> , 2022, 17, e0268643.	1.1	8
2993	Transcriptional ITPR3 as potential targets and biomarkers for human pancreatic cancer. <i>Aging</i> , 2022, 14, 4425-4444.	1.4	2
2994	The "good," "bad," and the "hidden" in neutron scattering and molecular dynamics of ionic aqueous solutions. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	6
2995	Glutamate excitotoxicity: Potential therapeutic target for ischemic stroke. <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113125.	2.5	51
2996	Conjugated polymer-based luminescent probes for ratiometric detection of biomolecules. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7309-7327.	2.9	8
2997	Intracellular calcium dynamics of lymphatic endothelial and muscle cells co-cultured in a Lymphangion-Chip under pulsatile flow. <i>Analyst, The</i> , 2022, 147, 2953-2965.	1.7	2
2998	Role of the NLRP3 Inflammasome in Periodontal Disease: A Tour d'horizon. <i>Research Journal of Pharmacy and Technology</i> , 2022, , 1870-1876.	0.2	0
2999	Ca ²⁺ sensor-mediated ROS homeostasis: defense without yield penalty. <i>Trends in Plant Science</i> , 2022, 27, 834-836.	4.3	5
3000	Phototransduction in a marine sponge provides insights into the origin of animal vision. <i>IScience</i> , 2022, 25, 104436.	1.9	1
3001	Physiological Overview of the Potential Link between the UPS and Ca ²⁺ Signaling. <i>Antioxidants</i> , 2022, 11, 997.	2.2	7
3004	Calcium Ion Binding to the Mutants of Calmodulin: A Structure-Based Computational Predictive Model of Binding Affinity Using a Charge Scaling Approach in Molecular Dynamics Simulation. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2821-2834.	2.5	7
3005	MicroRNA-7a-5p ameliorates diabetic peripheral neuropathy by regulating VDAC1/JNK/c-Jun pathway. <i>Diabetic Medicine</i> , 2023, 40, .	1.2	6

#	ARTICLE	IF	CITATIONS
3006	Evolutionary and Regulatory Pattern Analysis of Soybean Ca ²⁺ ATPases for Abiotic Stress Tolerance. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	6
3007	Role of water-bridged interactions in metal ion coupled protein allostery. <i>PLoS Computational Biology</i> , 2022, 18, e1010195.	1.5	4
3008	Science Communication Developing Scientific Literacy on Calcium: The Involvement of CRAC Currents in Human Health and Disease. <i>Cells</i> , 2022, 11, 1849.	1.8	3
3009	Isolation and identification of sporozoite membrane protein of <i>Cryptosporidium parvum</i> and evaluation of calmodulin-like protein immune protection. <i>Parasite Immunology</i> , 0, , .	0.7	1
3010	miR-145 dependent secretome of senescent cells can trigger neuroendocrine transdifferentiation of breast cancer cells. <i>Aging Cell</i> , 2022, 21, .	3.0	6
3012	Aberrant calcium signalling downstream of mutations in TP53 and the PI3K/AKT pathway genes promotes disease progression and therapy resistance in triple negative breast cancer. <i>Cancer Drug Resistance (Alhambra, Calif)</i> , 2022, 5, 560-76.	0.9	3
3013	Independently paced Ca ²⁺ oscillations in progenitor and differentiated cells in an <i>ex vivo</i> epithelial organ. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	5
3015	Calcium Electroporation Reduces Viability and Proliferation Capacity of Four Uveal Melanoma Cell Lines in 2D and 3D Cultures. <i>Cancers</i> , 2022, 14, 2889.	1.7	5
3017	The Functional Characterization of GCaMP3.0 Variants Specifically Targeted to Subcellular Domains. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6593.	1.8	2
3018	Cav1.2 regulated odontogenic differentiation of NG2+ pericytes during pulp injury. <i>Odontology / the Society of the Nippon Dental University</i> , 2023, 111, 57-67.	0.9	3
3019	Effects of Selenium-Methionine against Heat Stress in Ca ²⁺ -Cytosolic and Germination of Olive Pollen Performance. <i>Agriculture (Switzerland)</i> , 2022, 12, 826.	1.4	1
3020	The role of environmental calcium in the extreme acid tolerance of northern banjo frog (<i>Limnodynastes terraereginae</i>) larvae. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	1
3022	Assessment of intracellular calcium and plasmalemmal membrane potential in cryopreserved metaphase II mouse oocytes. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 0, , .	0.7	0
3023	Traumatic and Diabetic Schwann Cell Demyelination Is Triggered by a Transient Mitochondrial Calcium Release through Voltage Dependent Anion Channel 1. <i>Biomedicines</i> , 2022, 10, 1447.	1.4	3
3024	The impact of dietary calcium and phosphorus on mitochondrial-linked gene expression in five tissues of laying hens. <i>PLoS ONE</i> , 2022, 17, e0270550.	1.1	0
3026	A Post-GWAS Functional Analysis Confirming Effects of Three BTA13 Genes CACNB2, SLC39A12, and ZEB1 on Dairy Cattle Reproduction. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2
3027	Impact of Ca ²⁺ -Induced PI(4,5)P ₂ Clusters on PH-YFP Organization and Protein-Protein Interactions. <i>Biomolecules</i> , 2022, 12, 912.	1.8	0
3028	The calcium signaling module CaM ¹ -IQM destabilizes IAA ¹ -ARF interaction to regulate callus and lateral root formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13

#	ARTICLE	IF	CITATIONS
3030	Molecular cloning and functional characterization of sarco/endoplasmic reticulum Ca ²⁺ -ATPase from Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Aquaculture Research</i> , 0, .	0.9	0
3032	Small-Molecule Disruptors of Mutant Huntingtinâ€‘Calmodulin Proteinâ€‘Protein Interaction Attenuate Deleterious Effects of Mutant Huntingtin. <i>ACS Chemical Neuroscience</i> , 0, .	1.7	3
3033	Golgiâ€‘localized calcium/manganese transporters <i>FgGdt1</i> and <i>FgPmr1</i> regulate fungal development and virulence by maintaining Ca ²⁺ and Mn ²⁺ homeostasis in <i>Fusarium graminearum</i> . <i>Environmental Microbiology</i> , 2022, 24, 4623-4640.	1.8	6
3034	Connecting Calcium-Based Nanomaterials and Cancer: From Diagnosis to Therapy. <i>Nano-Micro Letters</i> , 2022, 14, .	14.4	48
3035	Calcium dysregulation potentiates wild-type myocilin misfolding: implications for glaucoma pathogenesis. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 553-564.	1.1	4
3036	Ca ²⁺ Signalling and Hypoxia/Acidic Tumour Microenvironment Interplay in Tumour Progression. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7377.	1.8	6
3037	AMPK and Diseases: State of the Art Regulation by AMPK-Targeting Molecules. <i>Biology</i> , 2022, 11, 1041.	1.3	5
3038	Cyanobacteria as Candidates to Support Mars Colonization: Growth and Biofertilization Potential Using Mars Regolith as a Resource. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	12
3039	Effect of Ca ²⁺ binding states of calmodulin on the conformational dynamics and force responses of myosin lever arm. <i>Journal of Chemical Physics</i> , 2022, 157, .	1.2	3
3040	Control of Ca ²⁺ and metabolic homeostasis by the Na ⁺ /Ca ²⁺ exchangers (NCXs) in health and disease. <i>Biochemical Pharmacology</i> , 2022, 203, 115163.	2.0	6
3041	A microfluidic-based approach to investigate the inflammatory response of macrophages to pristine and drug-loaded nanostructured hydroxyapatite. <i>Materials Today Bio</i> , 2022, 16, 100351.	2.6	0
3042	Ratiometrically pH-Insensitive Upconversion Nanoprobe: Toward Simultaneously Quantifying Organellar Calcium and Chloride and Understanding the Interaction of the Two Ions in Lysosome Function. <i>Analytical Chemistry</i> , 2022, 94, 10813-10823.	3.2	7
3043	PLAA suppresses ovarian cancer metastasis via METTL3-mediated m6A modification of TRPC3 mRNA. <i>Oncogene</i> , 2022, 41, 4145-4158.	2.6	14
3044	Calcium responses to external mechanical stimuli in the multicellular stage of <i>Dictyostelium discoideum</i> . <i>Scientific Reports</i> , 2022, 12, .	1.6	4
3046	Colorimetric and fluorescent Schiff base sensors for trace detection of pollutants and biologically significant cations: A review (2010â€‘2021). <i>Microchemical Journal</i> , 2022, 181, 107798.	2.3	36
3047	Calmodulin kinase 2 genetically interacts with <i>Rch1p</i> to negatively regulate calcium import into <i>Saccharomyces cerevisiae</i> after extracellular calcium pulse. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	2
3048	ICoRD: iterative correlation-based ROI detection method for the extraction of neural signals in calcium imaging. <i>Journal of Neural Engineering</i> , 2022, 19, 046035.	1.8	0
3050	Activity-dependent endoplasmic reticulum Ca ²⁺ uptake depends on Kv2.1-mediated endoplasmic reticulum/plasma membrane junctions to promote synaptic transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	17

#	ARTICLE	IF	CITATIONS
3051	A receptorâ€‘channel trio conducts Ca ²⁺ signalling for pollen tube reception. <i>Nature</i> , 2022, 607, 534-539.	13.7	44
3052	Role of NLRP3 Inflammasome and Its Inhibitors as Emerging Therapeutic Drug Candidate for Alzheimerâ€™s Disease: a Review of Mechanism of Activation, Regulation, and Inhibition. <i>Inflammation</i> , 2023, 46, 56-87.	1.7	15
3053	Multivalent Ion Transport through a Nanopore. <i>Journal of Physical Chemistry C</i> , 2022, 126, 14661-14668.	1.5	5
3054	Vacuolar and Peroxisomal Calcium Ion Transporters in Yeasts and Fungi: Key Role in the Translocation of Intermediates in the Biosynthesis of Fungal Metabolites. <i>Genes</i> , 2022, 13, 1450.	1.0	7
3055	Identification of OSCA gene family in <i>Solanum habrochaites</i> and its function analysis under stress. <i>BMC Genomics</i> , 2022, 23, .	1.2	9
3056	Temporal and thermal profiling of the <i>Toxoplasma</i> proteome implicates parasite Protein Phosphatase 1 in the regulation of Ca ²⁺ -responsive pathways. <i>ELife</i> , 0, 11, .	2.8	16
3057	Role of TRPC6 in periodontal tissue reconstruction mediated by appropriate stress. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	6
3058	Highly Luminescent Positively Charged Quantum Dots Interacting with Proteins and Cells^{â€‘}. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2685-2693.	2.6	2
3059	Pseudo-Taste Cells Derived from Rat Taste and Non-Taste Tissues: Implications for Cultured Taste Cell-Based Biosensors. <i>Journal of Agricultural and Food Chemistry</i> , 0, , .	2.4	0
3060	ROS and calcium oscillations are required for polarized root hair growth. <i>Plant Signaling and Behavior</i> , 2022, 17, .	1.2	7
3061	Ca ²⁺ homeostasis maintained by TMCO1 underlies corpus callosum development via ERK signaling. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	2
3062	Calmodulinâ€™s Interdomain Linker Is Optimized for Dynamics Signal Transmission and Calcium Binding. <i>Journal of Chemical Information and Modeling</i> , 0, , .	2.5	2
3063	Adverse maternofetal outcomes associated with ionised calcaemia, total calcaemia, albuminaemia, and calcium supplementation in pregnancy: Analysis from a resource-limited setting. <i>PLoS ONE</i> , 2022, 17, e0271525.	1.1	6
3064	Cocoa Extract Provides Protection against 6-OHDA Toxicity in SH-SY5Y Dopaminergic Neurons by Targeting PERK. <i>Biomedicines</i> , 2022, 10, 2009.	1.4	9
3066	Injury-induced MAPK activation triggers body axis formation in <i>Hydra</i> by default Wnt signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	12
3067	Transient receptor potential melastatin 3 dysfunction in post COVID-19 condition and myalgic encephalomyelitis/chronic fatigue syndrome patients. <i>Molecular Medicine</i> , 2022, 28, .	1.9	10
3068	Plasma membrane Ca ²⁺ ATPase activity enables sustained store-operated Ca ²⁺ entry in the absence of a bulk cytosolic Ca ²⁺ rise. <i>Function</i> , 0, , .	1.1	2
3070	Determinants, maintenance, and function of organellar pH. <i>Physiological Reviews</i> , 2023, 103, 515-606.	13.1	21

#	ARTICLE	IF	CITATIONS
3071	TRP channels in inflammatory bowel disease: Potential therapeutic targets. <i>Biochemical Pharmacology</i> , 2022, 203, 115195.	2.0	3
3072	Potential of targeting host cell calcium dynamics to curtail SARS-CoV-2 infection and COVID-19 pathogenesis. <i>Cell Calcium</i> , 2022, 106, 102637.	1.1	6
3073	Pre-hospital blood products and calcium replacement protocols in UK critical care services: A survey of current practice. <i>Resuscitation Plus</i> , 2022, 11, 100282.	0.6	4
3074	Oxidative stress and synaptic dysfunction in rodent models of Parkinson's disease. <i>Neurobiology of Disease</i> , 2022, 173, 105851.	2.1	17
3075	<i>Pseudomonas aeruginosa</i> quorum-sensing molecule N-(3-oxododecanoyl) homoserine lactone induces calcium signaling-dependent crosstalk between autophagy and apoptosis in human macrophages. <i>Cellular Signalling</i> , 2022, 99, 110441.	1.7	3
3076	Early signaling events in the heat stress response of <i>Pyropia haitanensis</i> revealed by phosphoproteomic and lipidomic analyses. <i>Algal Research</i> , 2022, 67, 102837.	2.4	2
3078	Calcium and activity-dependent signaling in the developing cerebral cortex. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	11
3079	Essential metals in health and disease. <i>Chemico-Biological Interactions</i> , 2022, 367, 110173.	1.7	179
3080	From Physiological Properties to Selective Vulnerability of Motor Units in Amyotrophic Lateral Sclerosis. <i>Advances in Neurobiology</i> , 2022, , 375-394.	1.3	1
3081	Calcium: Why Is It Important?. , 2022, , 47-80.		0
3082	TRPV4-dependent signaling mechanisms in systemic and pulmonary vasculature. <i>Current Topics in Membranes</i> , 2022, , 1-41.	0.5	0
3083	Systematic Analysis and Identification of Molecular Subtypes of TRP-Related Genes and Prognosis Prediction in Lung Adenocarcinoma. <i>Journal of Oncology</i> , 2022, 2022, 1-19.	0.6	0
3084	Roles of calcium signaling in cancer metastasis to bone. <i>Exploration of Targeted Anti-tumor Therapy</i> , 0, , 445-462.	0.5	4
3085	Effect of ouabain on calcium signaling in rodent brain: A systematic review of in vitro studies. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	0
3086	Targeting cell-matrix interface mechanobiology by integrating AFM with fluorescence microscopy. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 176, 67-81.	1.4	8
3087	Calmodulin in <i>Paramecium</i> : Focus on Genomic Data. <i>Microorganisms</i> , 2022, 10, 1915.	1.6	1
3088	Identification of potential CAMKK2 inhibitors based on virtual screening and molecular dynamics simulation. <i>Molecular Simulation</i> , 2023, 49, 27-35.	0.9	1
3090	NLRP3 inflammasome: The rising star in cardiovascular diseases. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	25

#	ARTICLE	IF	CITATIONS
3091	Multiple cyclic nucleotide-gated channels function as ABA-activated Ca ²⁺ channels required for ABA-induced stomatal closure in Arabidopsis. <i>Plant Cell</i> , 2023, 35, 239-259.	3.1	20
3092	Protein kinase CK2 – diverse roles in cancer cell biology and therapeutic promise. <i>Molecular and Cellular Biochemistry</i> , 2023, 478, 899-926.	1.4	12
3094	Mitochondrial metabolic determinants of multiple myeloma growth, survival, and therapy efficacy. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	6
3095	Germination Kinetics and Chlorophyll Fluorescence Imaging Allow for Early Detection of Alkalinity Stress in Rhododendron Species. <i>Horticulturae</i> , 2022, 8, 823.	1.2	4
3096	Crosstalk between Ca ²⁺ Signaling and Cancer Stemness: The Link to Cisplatin Resistance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10687.	1.8	5
3097	Do photosynthetic cells communicate with each other during cell death? From cyanobacteria to vascular plants. <i>Journal of Experimental Botany</i> , 2022, 73, 7219-7242.	2.4	3
3098	Role of Microglia and Astrocytes in Alzheimer’s Disease: From Neuroinflammation to Ca ²⁺ Homeostasis Dysregulation. <i>Cells</i> , 2022, 11, 2728.	1.8	29
3099	Histamine activates an intracellular Ca ²⁺ signal in normal human lung fibroblast WI-38 cells. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
3100	Calcium-Permeable Channels Cooperation for Rheumatoid Arthritis: Therapeutic Opportunities. <i>Biomolecules</i> , 2022, 12, 1383.	1.8	4
3102	The GEM-GECO Calcium Indicator Is Useable in <i>Ogataea parapolymorpha</i> Yeast, but Aggravates Effects of Increased Cytosolic Calcium Levels. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10004.	1.8	2
3103	Quantitative Analysis of Plant Cytosolic Calcium Signals in Response to Water Activated by Low-Power Non-Thermal Plasma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10752.	1.8	1
3105	Ag ⁺ and Ca ⁺ single implantation and co-implantation induced the cell growth and antibacterial activity of TiN/Ti-6Al-4V. <i>Vacuum</i> , 2023, 207, 111579.	1.6	5
3107	Impacts of aging on murine cartilage biomechanics and chondrocyte in situ calcium signaling. <i>Journal of Biomechanics</i> , 2022, 144, 111336.	0.9	1
3108	Human cancer cells generate spontaneous calcium transients and intercellular waves that modulate tumor growth. <i>Biomaterials</i> , 2022, 290, 121823.	5.7	7
3109	Hippocalcin-Like 1 blunts liver lipid metabolism to suppress tumorigenesis via directly targeting RUVBL1-mTOR signaling. <i>Theranostics</i> , 2022, 12, 7450-7464.	4.6	5
3110	A 2,7-dichlorofluorescein derivative to monitor microcalcifications. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1415-1421.	1.7	0
3111	Carboxylate-Capped Analogues of Ru265 Are MCU Inhibitor Prodrugs. <i>Inorganic Chemistry</i> , 2022, 61, 17299-17312.	1.9	8
3112	A grooved porous hydroxyapatite scaffold induces osteogenic differentiation via regulation of PKA activity by upregulating miR-129 expression. <i>Journal of Periodontal Research</i> , 2022, 57, 1238-1255.	1.4	2

#	ARTICLE	IF	CITATIONS
3113	Interoperability of RTN1A in dendrite dynamics and immune functions in human Langerhans cells. <i>ELife</i> , 0, 11, .	2.8	1
3114	CEMIP, a Promising Biomarker That Promotes the Progression and Metastasis of Colorectal and Other Types of Cancer. <i>Cancers</i> , 2022, 14, 5093.	1.7	8
3115	Updating Insights into the Regulatory Mechanisms of Calcineurin-Activated Transcription Factor Crz1 in Pathogenic Fungi. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 1082.	1.5	11
3116	Harnessing genetic resistance to rusts in wheat and integrated rust management methods to develop more durable resistant cultivars. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	12
3117	Calcium Channel $\text{Î}2\text{Î}1$ Is Essential for Pancreatic Tumor-Initiating Cells Through Sequential Phosphorylation of PKM2. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, , .	2.3	0
3118	The Roles of Calcium Ions in Parkinsonâ€™s Disease: Calcium Channel Inhibitors as a Novel Agents?. <i>Journal of Molecular Pathology</i> , 2022, 3, 243-261.	0.5	2
3120	Pb4CL2 Inducing Lignin Accumulation in Superficial Scald â€˜Chiliâ€™ (Pyrus bretschneideri) Pear Fruit. <i>Agronomy</i> , 2022, 12, 2650.	1.3	1
3121	Understanding the role of Ca ²⁺ via transient receptor potential (TRP) channel in viral infection: Implications in developing future antiviral strategies. <i>Virus Research</i> , 2023, 323, 198992.	1.1	4
3122	Touch-Induced Transcriptional Changes in Flower Buds of a Non-Model Horticultural Plant <i>Dianthus hybrida</i> . <i>Horticulturae</i> , 2022, 8, 918.	1.2	1
3123	New anti-cancer explorations based on metal ions. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	27
3124	Calcium enhances polyhydroxyalkanoate production and promotes selective growth of the polyhydroxyalkanoate-storing biomass in municipal activated sludge. <i>Water Research</i> , 2022, 226, 119259.	5.3	6
3127	Transcriptomic points of departure calculated from human intestinal cells exposed to dietary nanoparticles. <i>Food and Chemical Toxicology</i> , 2022, 170, 113501.	1.8	1
3128	Insertion of circularly permuted cyan fluorescent protein into the ligand-binding domain of inositol 1,4,5-trisphosphate receptor for enhanced FRET upon binding of fluorescent ligand. <i>Cell Calcium</i> , 2022, 108, 102668.	1.1	1
3129	Influences of subcellular Ca redistribution induced by $\text{Î}3$ irradiation on the fruit firmness of refrigerated blueberries. <i>Postharvest Biology and Technology</i> , 2023, 195, 112146.	2.9	8
3130	Voltage-Dependent Calcium Channels (CaVs) and CatSper in Spermatogenic and Sperm Cells. , 2022, , 599-634.		0
3131	<i>Pseudomonas</i> quinolone signal induces organelle stress and dysregulates inflammation in human macrophages. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2023, 1867, 130269.	1.1	2
3132	Bioelectric regulation of intestinal stem cells. <i>Trends in Cell Biology</i> , 2023, 33, 555-567.	3.6	5
3134	Calmodulin regulates the calcium homeostasis in mantle of <i>Crassostrea gigas</i> under ocean acidification. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4

#	ARTICLE	IF	CITATIONS
3135	Pollen likes sugars: Sucrose-specific transport by AtSWEET13. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	0
3136	Calcium signaling of primary chondrocytes and ATDC5 chondrogenic cells under osmotic stress and mechanical stimulation. <i>Journal of Biomechanics</i> , 2022, 145, 111388.	0.9	1
3137	Application of Exogenous Silicon for Alleviating Photosynthetic Inhibition in Tomato Seedlings under Low ^{CO₂} Calcium Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13526.	1.8	4
3138	Recent Advances in Calcium-Based Anticancer Nanomaterials Exploiting Calcium Overload to Trigger Cell Apoptosis. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	18
3139	Zebrafish Embryos Display Characteristic Bioelectric Signals during Early Development. <i>Cells</i> , 2022, 11, 3586.	1.8	2
3140	Purinergic signaling in the male reproductive tract. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5
3141	Calcium signaling: A therapeutic target to overcome resistance to therapies in cancer. <i>Cell Calcium</i> , 2022, 108, 102673.	1.1	11
3142	Molecular basis of the PIP2-dependent regulation of CaV2.2 channel and its modulation by CaV ^β subunits. <i>ELife</i> , 0, 11, .	2.8	1
3144	In vitro model to study confined osteocyte networks exposed to flow-induced mechanical stimuli. <i>Biomedical Materials (Bristol)</i> , 0, , .	1.7	0
3145	The protective role of interaction between vitamin D, sex hormones and calcium in multiple sclerosis. <i>International Journal of Neuroscience</i> , 0, , 1-19.	0.8	2
3146	Disinfectant dodecyl dimethyl benzyl ammonium chloride (DDBAC) disrupts gut microbiota, phospholipids, and calcium signaling in honeybees (<i>Apis mellifera</i>) at an environmentally relevant level. <i>Environment International</i> , 2022, 170, 107639.	4.8	4
3147	Advances of Electroporation-Related Therapies and the Synergy with Immunotherapy in Cancer Treatment. <i>Vaccines</i> , 2022, 10, 1942.	2.1	7
3148	The calcium-sensing receptor in inflammation: Recent updates. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	18
3149	Calcium signaling in plant immunity: a spatiotemporally controlled symphony. <i>Trends in Plant Science</i> , 2023, 28, 74-89.	4.3	19
3150	An ER-targeted calcium-reserve-release fluorogen for topological quantification of reticulophagy. <i>Biomaterials</i> , 2023, 292, 121929.	5.7	9
3151	A ferrocene-containing analogue of the MCU inhibitor Ru265 with increased cell permeability. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 591-599.	3.0	3
3152	HvVPE3, a gene closely associated with Cd uptake and tolerance in barley. <i>Environmental and Experimental Botany</i> , 2023, 206, 105154.	2.0	1
3153	The <i>Mycobacterium tuberculosis</i> PE15/PPE20 complex transports calcium across the outer membrane. <i>PLoS Biology</i> , 2022, 20, e3001906.	2.6	4

#	ARTICLE	IF	CITATIONS
3154	Fabrication of polyaspartic acid surface-modified highly fluorescent carbon quantum dot nanoprobe for sensing of reduced glutathione in real sample. <i>Applied Nanoscience (Switzerland)</i> , 0, , .	1.6	0
3155	Protein mishandling and impaired lysosomal proteolysis generated through calcium dysregulation in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	8
3156	The application of mechanobiotechnology for immuno-engineering and cancer immunotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	0
3157	Similarities and Differences between the Orai1 Variants: Orai1 ^{1±} and Orai1 ^{1²} . <i>International Journal of Molecular Sciences</i> , 2022, 23, 14568.	1.8	3
3158	The mechanosensitive ion channel PIEZO1 promotes satellite cell function in muscle regeneration. <i>Life Science Alliance</i> , 2023, 6, e202201783.	1.3	10
3159	Control of G _i signaling dynamics and GPCR cross-talk by GRKs. <i>Science Advances</i> , 2022, 8, .	4.7	9
3160	Activated PyK2 and Its Associated Molecules Transduce Cellular Signaling from the Cancerous Milieu for Cancer Metastasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15475.	1.8	5
3161	Structural insights into caspase ADPR deacylation catalyzed by a bacterial effector and host calmodulin. <i>Molecular Cell</i> , 2022, 82, 4712-4726.e7.	4.5	1
3162	Calcium Signalling in Heart and Vessels: Role of Calmodulin and Downstream Calmodulin-Dependent Protein Kinases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 16139.	1.8	7
3163	Molecular Insights into the Calcium Binding in Troponin C through a Molecular Dynamics Study. <i>Journal of Chemical Information and Modeling</i> , 2023, 63, 354-361.	2.5	0
3164	CatSper Calcium Channels: 20 Years On. <i>Physiology</i> , 2023, 38, 125-140.	1.6	9
3165	Endoplasmic Reticulum Stress Signaling and Neuronal Cell Death. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15186.	1.8	12
3166	7T MRI and molecular studies of Dotarem (gadoterate meglumine) retention in macrophages.. <i>Journal of Magnetic Resonance Open</i> , 2022, 12-13, 100085.	0.5	0
3167	Radial Basis Function-Based Differential Quadrature Approach to Study Reaction "Diffusion of Ca ²⁺ in T Lymphocyte. <i>International Journal of Computational Methods</i> , 2023, 20, .	0.8	10
3168	The spatio-temporal properties of calcium transients in hippocampal pyramidal neurons in vitro. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	1
3170	Co-chaperones of the Human Endoplasmic Reticulum: An Update. <i>Sub-Cellular Biochemistry</i> , 2023, , 247-291.	1.0	2
3172	Calcium/Calmodulin-Dependent Kinases in the Hypothalamus, Pituitary, and Pineal Gland: An Overview. <i>International Journal of Endocrinology</i> , 2022, 2022, 1-9.	0.6	1
3173	Wnt Signaling in the Development of Bone Metastasis. <i>Cells</i> , 2022, 11, 3934.	1.8	8

#	ARTICLE	IF	CITATIONS
3174	S100a9 Protects Against the Effects of Repeated Social Defeat Stress. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 919-929.	1.0	2
3175	Suppression of PD β L1 release from small extracellular vesicles promotes systemic anti-tumor immunity by targeting ORAI1 calcium channels. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	7
3176	Memristive Synapse Based on Single-Crystalline LiNbO ₃ Thin Film with Bioinspired Microstructure for Experience-Based Dynamic Image Mask Generation. <i>Advanced Electronic Materials</i> , 2023, 9, .	2.6	3
3177	Associations between plasma metal mixture exposure and risk of hypertension: A cross-sectional study among adults in Shenzhen, China. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	7
3178	Functional cooperation between IK_{Ca} and TRPC1 channels regulates serum-induced vascular smooth muscle cell proliferation via mediating Ca^{2+} influx and ERK1/2 activation. <i>Cell Proliferation</i> , 2023, 56, .	2.4	2
3179	Monitoring Agonist-Induced Activity of PI3-Kinase in HEK-293 with a Genetically Encoded Sensor. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2022, 16, 351-355.	0.3	0
3180	A robust fluorescence-based assay for human erythrocyte Ca^{++} efflux suitable for high-throughput inhibitor screens. <i>European Biophysics Journal</i> , 0, , .	1.2	0
3181	<i>Chlamydia trachomatis</i> suppresses host cell store-operated Ca^{2+} entry and inhibits NFAT/calcineurin signaling. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
3183	Targeting N-type calcium channels in young-onset of some neurological diseases. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	3
3184	Investigation of Cobalt(III) Cage Complexes as Inhibitors of the Mitochondrial Calcium Uniporter. <i>European Journal of Inorganic Chemistry</i> , 2023, 26, .	1.0	2
3185	Acute activation of SERCA with CDN1163 attenuates IgE-mediated mast cell activation through selective impairment of ROS and p38 signaling. <i>FASEB Journal</i> , 2023, 37, .	0.2	3
3186	A dual-flow RootChip enables quantification of bi-directional calcium signaling in primary roots. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
3187	Enhancement of receptor-mediated calcium responses by phenytoin through the suppression of calcium excretion in human gingival fibroblasts. <i>Journal of Periodontal Research</i> , 0, , .	1.4	0
3189	Ca^{2+} -Sensitive Potassium Channels. <i>Molecules</i> , 2023, 28, 885.	1.7	8
3190	Calcium-Signalling in Human Glaucoma Lamina Cribrosa Myofibroblasts. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1287.	1.8	2
3191	Myofilament-associated proteins with intrinsic disorder (MAPIDs) and their resolution by computational modeling. <i>Quarterly Reviews of Biophysics</i> , 2023, 56, .	2.4	3
3192	The miRNA-185-5p/STIM1 Axis Regulates the Invasiveness of Nasopharyngeal Carcinoma Cell Lines by Modulating EGFR Activation-Stimulated Switch from E- to N-Cadherin. <i>Molecules</i> , 2023, 28, 818.	1.7	2
3194	The role of the Na^{+}/Ca^{2+} -exchanger (NCX) in cancer-associated fibroblasts. <i>Biological Chemistry</i> , 2023, 404, 325-337.	1.2	7

#	ARTICLE	IF	CITATIONS
3195	Purinoreceptors and ectonucleotidases control ATP-induced calcium waveforms and calcium-dependent responses in microglia: Roles of P2 receptors and CD39 in ATP-stimulated microglia. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2
3196	Chopped fibers and nano-hydroxyapatite enhanced silk fibroin porous hybrid scaffolds for bone augmentation. <i>Journal of Materials Chemistry B</i> , 2023, 11, 1557-1567.	2.9	3
3197	Natural product manoalide promotes EGFR-TKI sensitivity of lung cancer cells by KRAS-ERK pathway and mitochondrial Ca ²⁺ overload-induced ferroptosis. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	6
3198	Room-Temperature-Processable Highly Reliable Resistive Switching Memory with Reconfigurability for Neuromorphic Computing and Ultrasonic Tissue Classification. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	9
3199	Regulating eEF2 and eEF2K in skeletal muscle by exercise. <i>Archives of Physiology and Biochemistry</i> , 0, , 1-12.	1.0	0
3200	An integrate-and-fire approach to Ca ²⁺ signaling. Part I: Renewal model. <i>Biophysical Journal</i> , 2023, 122, 713-736.	0.2	3
3201	Effect of Buffers with Multiple Binding Sites on Calcium Waves. <i>Bulletin of Mathematical Biology</i> , 2023, 85, .	0.9	0
3202	ORAI Calcium Channels: Regulation, Function, Pharmacology, and Therapeutic Targets. <i>Pharmaceuticals</i> , 2023, 16, 162.	1.7	5
3204	Calnexin, More Than Just a Molecular Chaperone. <i>Cells</i> , 2023, 12, 403.	1.8	3
3205	The elements of life: A biocentric tour of the periodic table. <i>Advances in Microbial Physiology</i> , 2023, , 1-127.	1.0	9
3206	Voltage-Gated T-Type Calcium Channel Modulation by Kinases and Phosphatases: The Old Ones, the New Ones, and the Missing Ones. <i>Cells</i> , 2023, 12, 461.	1.8	5
3207	The CalDAG-GEFI/Rap1/ILB ²³ axis minimally contributes to accelerated platelet clearance in mice with constitutive store-operated calcium entry. <i>Platelets</i> , 2023, 34, .	1.1	1
3208	Editorial: Ca ²⁺ signalling in plant biotic interactions. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
3209	<i>Vibrio cholerae</i> Porin OmpU Activates Dendritic Cells via TLR2 and the NLRP3 Inflammasome. <i>Infection and Immunity</i> , 2023, 91, .	1.0	2
3213	Potential role of endoplasmic reticulum stress in broiler woody breast myopathy. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 324, C679-C693.	2.1	4
3214	Getting cells into shape by calcium-dependent actin cross-linking proteins. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	0
3215	Modulation of NK cell activation by exogenous calcium from alginate dressings in vitro. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	0
3216	Light Stress in Yeasts: Signaling and Responses in Creatures of the Night. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6929.	1.8	1

#	ARTICLE	IF	CITATIONS
3217	Ca ²⁺ -calmodulin signalling at the host-pathogen interface. <i>Current Opinion in Microbiology</i> , 2023, 72, 102267.	2.3	4
3218	Translatomics and physiological analyses of the detoxification mechanism of green alga <i>Chlamydomonas reinhardtii</i> to cadmium toxicity. <i>Journal of Hazardous Materials</i> , 2023, 448, 130990.	6.5	4
3219	Too much of a good thing: The case of SOCE in cellular apoptosis. <i>Cell Calcium</i> , 2023, 111, 102716.	1.1	4
3220	The calcium channel modulator 2-APB hydrolyzes in physiological buffers and acts as an effective radical scavenger and inhibitor of the NADPH oxidase 2. <i>Redox Biology</i> , 2023, 61, 102654.	3.9	1
3221	Intercellular Calcium Waves and Permeability Change Induced by Vertically Deployed Surface Acoustic Waves in a Human Cerebral Microvascular Endothelial Cell Line (hCMEC/D3) Monolayer. <i>Ultrasound in Medicine and Biology</i> , 2023, 49, 1153-1163.	0.7	0
3222	Role of calcium sensor protein module CBL-CIPK in abiotic stress and light signaling responses in green algae. <i>International Journal of Biological Macromolecules</i> , 2023, 237, 124163.	3.6	3
3223	The Ycx1 protein encoded by the yeast YDL206W gene plays a role in calcium and calcineurin signaling. <i>Journal of Biological Chemistry</i> , 2023, 299, 104647.	1.6	0
3224	Persistent and sex-independent effects of decreased calcium concentration inhibiting morphological defense of <i>Daphnia</i> : Evidences from morphological traits and expression of the associated genes. <i>Science of the Total Environment</i> , 2023, 877, 162909.	3.9	0
3225	Genetically encoded fluorescent sensors for metals in biology. <i>Current Opinion in Chemical Biology</i> , 2023, 74, 102284.	2.8	4
3226	Calcium signaling in polycystic kidney disease- cell death and survival. <i>Cell Calcium</i> , 2023, 112, 102733.	1.1	5
3227	Amphetamines abuse and depression: Focus on TRPC channels. <i>Experimental Neurology</i> , 2023, 364, 114391.	2.0	2
3228	Integrative proteogenomic characterization of early esophageal cancer. <i>Nature Communications</i> , 2023, 14, .	5.8	8
3230	Seminal Calbindin 2 in Infertile Men With Varicocele: A Prospective Comparative Study. <i>Reproductive Sciences</i> , 0, , .	1.1	1
3231	Probing drug-mediated fluctuations of HClO levels in the endoplasmic reticulum by a ratiometric fluorescent probe with a large emission shift. <i>Dyes and Pigments</i> , 2023, 215, 111257.	2.0	6
3233	ERâ€œCa ²⁺ stores and the regulation of storeâ€œoperated Ca ²⁺ entry in neurons. <i>Journal of Physiology</i> , 0, , .	1.3	0
3234	Cell starvation increases uptake of extracellular Thymosin Î² ₄ and its complexes with calcium. <i>International Immunopharmacology</i> , 2023, 116, 109743.	1.7	0
3235	Role of calcium-sensor proteins in cell membrane repair. <i>Bioscience Reports</i> , 2023, 43, .	1.1	3
3236	Calcium-based nanotechnology for cancer therapy. <i>Coordination Chemistry Reviews</i> , 2023, 481, 215050.	9.5	7

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3237	The Effects of Mechanical Load on Chondrogenic Responses of Bone Marrow Mesenchymal Stem Cells and Chondrocytes Encapsulated in Chondroitin Sulfate-Based Hydrogel. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2915.	1.8	5
3238	Chemical shift assignments of calmodulin bound to the GluN1 CO domain (residues 841–865) of the NMDA receptor. <i>Biomolecular NMR Assignments</i> , 0, , .	0.4	2
3239	Diglycolic acid inhibits succinate dehydrogenase activity, depletes mitochondrial membrane potential, and induces inflammation in an SH-SY5Y neuroblastoma model of neurotoxicity in vitro. <i>Toxicology and Applied Pharmacology</i> , 2023, 463, 116414.	1.3	0
3240	A single amino acid deletion in the ER Ca ²⁺ sensor STIM1 reverses the in vitro and in vivo effects of the Stormorken syndrome-causing R304W mutation. <i>Science Signaling</i> , 2023, 16, .	1.6	0
3241	Genetic variants in the calcium signaling pathway participate in the pathogenesis of colorectal cancer through the tumor microenvironment. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	3
3242	Expanding role of CXCR2 and therapeutic potential of CXCR2 antagonists in inflammatory diseases and cancers. <i>European Journal of Medicinal Chemistry</i> , 2023, 250, 115175.	2.6	8
3243	The human MRS2 magnesium-binding domain is a regulatory feedback switch for channel activity. <i>Life Science Alliance</i> , 2023, 6, e202201742.	1.3	3
3244	The involvement of a novel calmodulin-like protein isoform from oyster <i>Crassostrea gigas</i> in transcription factor regulation provides new insight into acclimation to ocean acidification. <i>Aquatic Toxicology</i> , 2023, 257, 106423.	1.9	1
3245	Endothelial PAR2 activation evokes resistance artery relaxation. <i>Journal of Cellular Physiology</i> , 2023, 238, 776-789.	2.0	1
3246	Calcium Influx Regulates the Replication of Several Negative-Strand RNA Viruses Including Severe Fever with Thrombocytopenia Syndrome Virus. <i>Journal of Virology</i> , 2023, 97, .	1.5	2
3247	Physiological responses to acute hypoxia in the liver of largemouth bass by alteration of mitochondrial function and Ca ²⁺ exchange. <i>Aquatic Toxicology</i> , 2023, 256, 106436.	1.9	1
3248	Integrative Roles of Dopamine Pathway and Calcium Channels Reveal a Link between Schizophrenia and Opioid Use Disorder. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4088.	1.8	0
3249	Redox regulation of KV7 channels through EF3 hand of calmodulin. <i>ELife</i> , 0, 12, .	2.8	1
3250	Membrane damage and repair: a thin line between life and death. <i>Biological Chemistry</i> , 2023, 404, 467-490.	1.2	10
3251	Accumulated precursors of specific GPI-anchored proteins upregulate GPI biosynthesis with ARV1. <i>Journal of Cell Biology</i> , 2023, 222, .	2.3	8
3252	Intracellular Helix-Loop-Helix Domain Modulates Inactivation Kinetics of Mammalian TRPV5 and TRPV6 Channels. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4470.	1.8	0
3253	Matrix stiffness induces epithelial-to-mesenchymal transition via Piezo1-regulated calcium flux in prostate cancer cells. <i>IScience</i> , 2023, 26, 106275.	1.9	7
3254	ATP Induces Interleukin-8, Intracellular Calcium Release, and ERK1/2 Phosphorylation in Bovine Endometrial Cells, Partially through P2Y Receptors. <i>Animals</i> , 2023, 13, 841.	1.0	0

#	ARTICLE	IF	CITATIONS
3255	Limiting Mrs2-dependent mitochondrial Mg ²⁺ uptake induces metabolic programming in prolonged dietary stress. <i>Cell Reports</i> , 2023, 42, 112155.	2.9	8
3256	Amyloidâ€“Gold Nanoparticle Hybrids for Biocompatible Memristive Devices. <i>Materials</i> , 2023, 16, 1884.	1.3	0
3257	Deciliation. , 2023, , 373-389.		0
3258	Propofol-Induced Developmental Neurotoxicity: From Mechanisms to Therapeutic Strategies. <i>ACS Chemical Neuroscience</i> , 2023, 14, 1017-1032.	1.7	1
3259	The Amyloid Cascade Hypothesis in Alzheimerâ€™s Disease: Should We Change Our Thinking?. <i>Biomolecules</i> , 2023, 13, 453.	1.8	13
3260	CaCO ₃ based proton nanosponge to potentiate immune checkpoint blockade therapy by synergistically reversing tumor immunosuppression. <i>Chemical Engineering Journal</i> , 2023, 462, 142206.	6.6	6
3261	Action of econazole on Ca ²⁺ levels and cytotoxicity in OC2 human oral cancer cells. <i>Journal of Dental Sciences</i> , 2023, , .	1.2	0
3262	Store-operated Ca ²⁺ entry regulatory factor alters murine metabolic state in an age-dependent manner via hypothalamic pathways. , 2023, 2, .		0
3263	The TRPM7 channel reprograms cellular glycolysis to drive tumorigenesis and angiogenesis. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	4
3264	Understanding the Factors Influencing the Ability of Calcium-Binding Peptides to Promote Calcium Absorption. <i>ACS Food Science & Technology</i> , 2023, 3, 499-513.	1.3	3
3267	Differential Effects of Astrocyte Manipulations on Learned Motor Behavior and Neuronal Ensembles in the Motor Cortex. <i>Journal of Neuroscience</i> , 2023, 43, 2696-2713.	1.7	2
3268	Progress on role of ion channels of cardiac fibroblasts in fibrosis. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	4
3269	Cholesterolâ€“Containing Liposomes Decorated With Au Nanoparticles as Minimal Tunable Fusion Machinery. <i>Small</i> , 2023, 19, .	5.2	2
3270	Human calmodulin mutations cause arrhythmia and affect neuronal function in <i>C. elegans</i> . <i>Human Molecular Genetics</i> , 2023, 32, 2068-2083.	1.4	2
3271	Unraveling the connection between calreticulin and myeloproliferative neoplasms via calcium signaling. <i>Cell Biology International</i> , 0, , .	1.4	0
3272	A cooperative knock-on mechanism underpins Ca ²⁺ -selective cation permeation in TRPV channels. <i>Journal of General Physiology</i> , 2023, 155, .	0.9	5
3273	Impact of Translocator Protein 18 kDa (TSPO) Deficiency on Mitochondrial Function and the Inflammatory State of Human C20 Microglia Cells. <i>Cells</i> , 2023, 12, 954.	1.8	1
3274	Study on the preparation of Interleukin 8 loaded hydrogel fiber and regulation on recruitment of stem cells. <i>Biomedical Physics and Engineering Express</i> , 2023, 9, 035027.	0.6	0

#	ARTICLE	IF	CITATIONS
3275	The yeast Gdt1 protein mediates the exchange of H ⁺ for Ca ²⁺ and Mn ²⁺ influencing the Golgi pH. <i>Journal of Biological Chemistry</i> , 2023, 299, 104628.	1.6	1
3276	Organic small-molecule fluorescent probe-based detection for alkali and alkaline earth metal ions in biological systems. <i>Journal of Materials Chemistry B</i> , 2023, 11, 3295-3306.	2.9	6
3277	Orai1 is an Entotic Ca ²⁺ Channel for Non-Apoptotic Cell Death, Entosis in Cancer Development. <i>Advanced Science</i> , 2023, 10, .	5.6	2
3278	New uses for an old remedy: Digoxin as a potential treatment for steatohepatitis and other disorders. <i>World Journal of Gastroenterology</i> , 0, 29, 1824-1837.	1.4	2
3279	Kinetics of the thapsigargin-induced Ca ²⁺ mobilisation: A quantitative analysis in the HEK-293 cell line. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	1
3280	Experiment and Simulation Reveal Residue Details for How Target Binding Tunes Calmodulin's Calcium-Binding Properties. <i>Journal of Physical Chemistry B</i> , 2023, 127, 2900-2908.	1.2	0
3281	Cholinergic depolarization recruits a persistent Ca ²⁺ current in Aplysia bag cell neurons. <i>Journal of Neurophysiology</i> , 0, , .	0.9	0
3282	Ca ²⁺ and Annexins " Emerging Players for Sensing and Transferring Cholesterol and Phosphoinositides via Membrane Contact Sites. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 393-438.	0.8	0
3283	Structure-Activity Relationships of Metal-Based Inhibitors of the Mitochondrial Calcium Uniporter. <i>ChemMedChem</i> , 2023, 18, .	1.6	1
3284	The Dynamic Role of Endoplasmic Reticulum Stress in Chronic Liver Disease. <i>American Journal of Pathology</i> , 2023, 193, 1389-1399.	1.9	6
3285	Neural engineering with photons as synaptic transmitters. <i>Nature Methods</i> , 2023, 20, 761-769.	9.0	5
3286	Spermiogenesis in <i>Caenorhabditis elegans</i> : An Excellent Model to Explore the Molecular Basis for Sperm Activation. <i>Biomolecules</i> , 2023, 13, 657.	1.8	0
3287	Nanomechanics of Aggrecan: A New Perspective on Cartilage Biomechanics, Disease and Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 69-82.	0.8	1
3288	Structural and functional insight into a new emerging target IP ₃ R in cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2024, 42, 2170-2196.	2.0	1
3289	Vitamin K and the Visual System" A Narrative Review. <i>Nutrients</i> , 2023, 15, 1948.	1.7	0
3312	Functional Interrogation of Ca ²⁺ Signals in Human Cancer Cells In Vitro and Ex Vivo by Fluorescent Microscopy and Molecular Tools. <i>Methods in Molecular Biology</i> , 2023, , 95-125.	0.4	1
3335	Calreticulin: a quintessential multifaceted protein with therapeutic potential. <i>Journal of Proteins and Proteomics</i> , 0, , .	1.0	0
3385	Regulation of Presynaptic Calcium Channels. <i>Advances in Neurobiology</i> , 2023, , 171-202.	1.3	1

#	ARTICLE	IF	CITATIONS
3387	Phosphoinositides and intracellular calcium signaling: novel insights into phosphoinositides and calcium coupling as negative regulators of cellular signaling. <i>Experimental and Molecular Medicine</i> , 2023, 55, 1702-1712.	3.2	1
3412	Phospholipases: Insights into the potential role of cell death. , 2023, , 269-277.		0
3446	TRP Channels in Stroke. <i>Neuroscience Bulletin</i> , 0, , .	1.5	0
3469	Inorganic Nutrients: Macrominerals. , 2023, , 391-446.		0
3494	Calcium and phosphate and their role in matrix vesicles: A biological view. , 2024, , 151-173.		0
3512	Review of the Machine Learning Based Methods Applicable for Analysis of Intracellular Calcium Transients Imaging. , 2023, , .		1
3514	Calcium and Phosphate Ion Uptake, Distribution, and Homeostasis in Cells of Vertebrate Mineralized Tissues. , 2023, , 181-235.		0