Wolfgang F Graier

List of Publications by Year
in descending order

209	9,082	36271	60583
papers	citations	51 h-index	81 g-index

220	220	220	10729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cristae junction as a fundamental switchboard for mitochondrial ion signaling and bioenergetics. Cell Calcium, 2022, 101, 102517.	1.1	13
2	Citrin mediated metabolic rewiring in response to altered basal subcellular Ca2+ homeostasis. Communications Biology, 2022, 5, 76.	2.0	6
3	T3-induced enhancement of mitochondrial Ca2+ uptake as a boost for mitochondrial metabolism. Free Radical Biology and Medicine, 2022, 181, 197-208.	1.3	8
4	Adipose Triglyceride Lipase Deficiency Attenuates In Vitro Thrombus Formation without Affecting Platelet Activation and Bleeding In Vivo. Cells, 2022, 11, 850.	1.8	3
5	Lysophosphatidic Acid Receptor 5 (LPA5) Knockout Ameliorates the Neuroinflammatory Response In Vivo and Modifies the Inflammatory and Metabolic Landscape of Primary Microglia In Vitro. Cells, 2022, 11, 1071.	1.8	4
6	Sigma-1 Receptor Modulation by Ligands Coordinates Cancer Cell Energy Metabolism. Biomolecules, 2022, 12, 762.	1.8	4
7	The preamble to the Free Radical Biology and Medicine Virtual Special Issue on â€œTargeting genetic biosensors to intracellular signaling pathways.â€. Free Radical Biology and Medicine, 2022, , .	1.3	0
8	MICU1 controls spatial membrane potential gradients and guides Ca2+ fluxes within mitochondrial substructures. Communications Biology, 2022, 5, .	2.0	11
9	Targeting cellular senescence based on interorganelle communication, multilevel proteostasis, and metabolic control. FEBS Journal, 2021, 288, 3834-3854.	2.2	20
10	Assessment of Mitochondrial Ca2+ Uptake. Methods in Molecular Biology, 2021, 2276, 173-191.	0.4	0
11	Dynamic Control of Mitochondrial Ca2+ Levels as a Survival Strategy of Cancer Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 614668.	1.8	18
12	Lysophosphatidic Acid Induces Aerobic Glycolysis, Lipogenesis, and Increased Amino Acid Uptake in BV-2 Microglia. International Journal of Molecular Sciences, 2021, 22, 1968.	1.8	10
13	Potassium ions promote hexokinase-II dependent glycolysis. IScience, 2021, 24, 102346.	1.9	12
14	Effect of hypoxia factors gene silencing on ROS production and metabolic status of A375 malignant melanoma cells. Scientific Reports, 2021, 11, 10325.	1.6	8
15	Different Roles of p62 (SQSTM1) Isoforms in Keratin-Related Protein Aggregation. International Journal of Molecular Sciences, 2021, 22, 6227.	1.8	5
16	Sigma-1 Receptor Promotes Mitochondrial Bioenergetics by Orchestrating ER Ca2+ Leak during Early ER Stress. Metabolites, 2021, 11, 422.	1.3	16
17	Near-UV Light Induced ROS Production Initiates Spatial Ca2+ Spiking to Fire NFATc3 Translocation. International Journal of Molecular Sciences, 2021, 22, 8189.	1.8	6
18	PCK2 opposes mitochondrial respiration and maintains the redox balance in starved lung cancer cells. Free Radical Biology and Medicine, 2021, 176, 34-45.	1.3	11

#	Article	IF	Citations
19	Unveiling the K+-sensitivity of cell metabolism using genetically encoded, FRET-based K+, glucose, and ATP biosensors. STAR Protocols, 2021, 2, 100843.	0.5	2
20	BioMed: Letâ€™s Bring Together What Belongs Together. BioMed, 2021, 1, 112-113.	0.6	0
21	Survey of Molecular Mechanisms of Hyperbaric Oxygen in Tissue Repair. International Journal of Molecular Sciences, 2021, 22, 11754.	1.8	14
22	ALG-2 and peflin regulate COPII targeting and secretion in response to calcium signaling. Journal of Biological Chemistry, 2021, 297, 101393.	1.6	11
23	Investigating the K+ sensitivity of cellular metabolism by extracellular flux analysis. STAR Protocols, 2021, 2, 100876.	0.5	4
24	Immobilization of Recombinant Fluorescent Biosensors Permits Imaging of Extracellular Ion Signals. ACS Sensors, 2021, 6, 3994-4000.	4.0	10
25	Endothelial lipase increases eNOS activating capacity of high-density lipoprotein. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158612.	1.2	8
26	HDAC inhibition improves cardiopulmonary function in a feline model of diastolic dysfunction. Science Translational Medicine, 2020, 12, .	5.8	75
27	Metabolic Profiling of Single Cancer Cells Using Mitochondrial ATP Probes. STAR Protocols, 2020, 1, 100048.	0.5	1
28	The contribution of uncoupling protein 2 to mitochondrial Ca2+ homeostasis in health and disease â€“ A short revisit. Mitochondrion, 2020, 55, 164-173.	1.6	15
29	ER-to-Golgi Transport in HeLa Cells Displays High Resilience to Ca2+ and Energy Stresses. Cells, 2020, 9, 2311.	1.8	9
30	Myeloperoxidase and Septic Conditions Disrupt Sphingolipid Homeostasis in Murine Brain Capillaries In Vivo and Immortalized Human Brain Endothelial Cells In Vitro. International Journal of Molecular Sciences, 2020, 21, 1143.	1.8	11
31	Nonclassical nuclear localization signals mediate nuclear import of CIRBP. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8503-8514.	3.3	40
32	Hypoxia factors suppression effect on the energy metabolism of a malignant melanoma cell SK-MEL-30. European Review for Medical and Pharmacological Sciences, 2020, 24, 4909-4920.	0.5	4
33	Yes (again) to local NO. Nature Chemical Biology, 2020, 16, 606-607.	3.9	0
34	Mitochondrialâ€“Endoplasmic Reticulum Interplay: A Lifelong Onâ€“Off Relationship?. Contact (Thousand) Tj ETQq0 0 0 rgBT /Overlock	0.4	16
35	ATGL/CGI-58-Dependent Hydrolysis of a Lipid Storage Pool in Murine Enterocytes. Cell Reports, 2019, 28, 1923-1934.e4.	2.9	26
36	Purification and Application of Genetically Encoded Potassium Ion Indicators for Quantification of Potassium Ion Concentrations within Biological Samples. Current Protocols in Chemical Biology, 2019, 11, e71.	1.7	3

#	Article	IF	Citations
37	Nâ€acetylaspartate availability is essential for juvenile survival on fatâ€free diet and determines metabolic health. FASEB Journal, 2019, 33, 13808-13824.	0.2	6
38	Tracking intraâ€and interâ€organelle signaling of mitochondria. FEBS Journal, 2019, 286, 4378-4401.	2.2	23
39	Glycogen Synthase Kinase 3 Beta Controls Presenilin-1-Mediated Endoplasmic Reticulum Ca2+ Leak Directed to Mitochondria in Pancreatic Islets and beta-Cells. Cellular Physiology and Biochemistry, 2019, 52, 57-75.	1.1	25
40	MICU1 controls cristae junction and spatially anchors mitochondrial Ca2+ uniporter complex. Nature Communications, 2019, 10, 3732.	5.8	90
41	Development and Application of Sub-Mitochondrial Targeted Ca2 + Biosensors. Frontiers in Cellular Neuroscience, 2019, 13, 449.	1.8	11
42	Lipid-independent control of endothelial and neuronal TRPC3 channels by light. Chemical Science, 2019, 10, 2837-2842.	3.7	28
43	Live cell imaging of signaling and metabolic activities. , 2019, 202, 98-119.		41
44	Live-Cell Imaging of Physiologically Relevant Metal Ions Using Genetically Encoded FRET-Based Probes. Cells, 2019, 8, 492.	1.8	71
45	IRE1Î± modulates ER and mitochondria crosstalk. Nature Cell Biology, 2019, 21, 667-668.	4.6	17
46	pH-Lemon, a Fluorescent Protein-Based pH Reporter for Acidic Compartments. ACS Sensors, 2019, 4, 883-891.	4.0	99
47	Calcium Signaling in ÃŸ-cell Physiology and Pathology: A Revisit. International Journal of Molecular Sciences, 2019, 20, 6110.	1.8	56
48	Visualization of Sirtuin 4 Distribution between Mitochondria and the Nucleus, Based on Bimolecular Fluorescence Self-Complementation. Cells, 2019, 8, 1583.	1.8	20
49	Enhanced inter-compartmental Ca2+ flux modulates mitochondrial metabolism and apoptotic threshold during aging. Redox Biology, 2019, 20, 458-466.	3.9	50
50	The enigmatic ATP supply of the endoplasmic reticulum. Biological Reviews, 2019, 94, 610-628.	4.7	38
51	N-acetylaspartate pathway is nutrient responsive and coordinates lipid and energy metabolism in brown adipocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 337-348.	1.9	37
52	Presenilin-1 Established ER-Ca2+ Leak: a Follow Up on Its Importance for the Initial Insulin Secretion in Pancreatic Islets and Î²-Cells Upon Elevated Glucose. Cellular Physiology and Biochemistry, 2019, 53, 573-586.	1.1	15
53	2-Chlorohexadecanoic acid induces ER stress and mitochondrial dysfunction in brain microvascular endothelial cells. Redox Biology, 2018, 15, 441-451.	3.9	28
54	Real-Time Imaging of Nitric Oxide Signals in Individual Cells Using geNOps. Methods in Molecular Biology, 2018, 1747, 23-34.	0.4	8

#	Article	IF	Citations
55	Genetic biosensors for imaging nitric oxide in single cells. Free Radical Biology and Medicine, 2018, 128, 50-58.	1.3	36
56	Sustained Formation of Nitroglycerin-Derived Nitric Oxide by Aldehyde Dehydrogenase-2 in Vascular Smooth Muscle without Added Reductants: Implications for the Development of Nitrate Tolerance. Molecular Pharmacology, 2018, 93, 335-343.	1.0	7
57	Intracellular Ca2+ release decelerates mitochondrial cristae dynamics within the junctions to the endoplasmic reticulum. Pflugers Archiv European Journal of Physiology, 2018, 470, 1193-1203.	1.3	24
58	Real-Time Imaging of Mitochondrial ATP Dynamics Reveals the Metabolic Setting of Single Cells. Cell Reports, 2018, 25, 501-512.e3.	2.9	91
59	Manipulation of Mitochondrial Function by Polyphenols for New Treatment Strategies. , 2018, , 277-292.		1
60	High-Resolution Imaging of STIM/Orai Subcellular Localization Using Array Confocal Laser Scanning Microscopy. Methods in Molecular Biology, 2018, 1843, 175-187.	0.4	1
61	Targeting Mitochondria to Counteract Age-Related Cellular Dysfunction. Genes, 2018, 9, 165.	1.0	40
62	Diacylglycerol triggers Rim101 pathwayâ€“dependent necrosis in yeast: a model for lipotoxicity. Cell Death and Differentiation, 2018, 25, 767-783.	5.0	22
63	Cytosolic Aspartate Availability Determines Cell Survival When Glutamine Is Limiting. Cell Metabolism, 2018, 28, 706-720.e6.	7.2	132
64	<scp>RNA</scp> editing of Filamin A preâ€•<scp>mRNA</scp> regulates vascular contraction and diastolic blood pressure. EMBO Journal, 2018, 37, .	3.5	86
65	Lysosomal acid lipase regulates fatty acid channeling in brown adipose tissue to maintain thermogenesis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 467-478.	1.2	27
66	Critical role of the peroxisomal protein PEX16 in white adipocyte development and lipid homeostasis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 358-368.	1.2	26
67	Intact mitochondrial Ca 2+ uniport is essential for agonist-induced activation of endothelial nitric oxide synthase (eNOS). Free Radical Biology and Medicine, 2017, 102, 248-259.	1.3	28
68	Application of Genetically Encoded Fluorescent Nitric Oxide (NO•) Probes, the geNOps, for Real-time Imaging of NO• Signals in Single Cells. Journal of Visualized Experiments, 2017, , .	0.2	16
69	The Role of PGE2 in Alveolar Epithelial and Lung Microvascular Endothelial Crosstalk. Scientific Reports, 2017, 7, 7923.	1.6	35
70	Real-time visualization of distinct nitric oxide generation of nitric oxide synthase isoforms in single cells. Nitric Oxide - Biology and Chemistry, 2017, 70, 59-67.	1.2	22
71	The Role of Mitochondria in the Activation/Maintenance of SOCE: The Contribution of Mitochondrial Ca2+ Uptake, Mitochondrial Motility, and Location to Store-Operated Ca2+ Entry. Advances in Experimental Medicine and Biology, 2017, 993, 297-319.	0.8	16
72	Big conductance calciumâ€activated potassium channel openers control spasticity without sedation. British Journal of Pharmacology, 2017, 174, 2662-2681.	2.7	22

#	Article	IF	Citations
73	Novel genetically encoded fluorescent probes enable real-time detection of potassium in vitro and in vivo. Nature Communications, 2017, 8, 1422.	5.8	130
74	Dosis Facit Sanitatemâ€"Concentration-Dependent Effects of Resveratrol on Mitochondria. Nutrients, 2017, 9, 1117.	1.7	41
75	Lysophosphatidic acid via LPA-receptor 5/protein kinase D-dependent pathways induces a motile and pro-inflammatory microglial phenotype. Journal of Neuroinflammation, 2017, 14, 253.	3.1	51
76	UCP2 and PRMT1 are key prognostic markers for lung carcinoma patients. Oncotarget, 2017, 8, 80278-80285.	0.8	20
77	Mitochondrial calcium: a crucial hub for cancer cell metabolism?. Translational Cancer Research, 2017, 6, S1124-S1127.	0.4	6
78	N-acetylaspartate catabolism determines cytosolic acetyl-CoA levels and histone acetylation in brown adipocytes. Scientific Reports, 2016, 6, 23723.	1.6	36
79	Development of novel FP-based probes for live-cell imaging of nitric oxide dynamics. Nature Communications, 2016, 7, 10623.	5.8	84
80	Resveratrol Specifically Kills Cancer Cells by a Devastating Increase in the Ca2+ Coupling Between the Greatly Tethered Endoplasmic Reticulum and Mitochondria. Cellular Physiology and Biochemistry, 2016, 39, 1404-1420.	1.1	84
81	Monoglyceride lipase regulates endocannabinoid tone and atherosclerotic plaque structure in apolipoprotein E-deficient mice. Atherosclerosis, 2016, 252, e259.	0.4	0
82	Formation of Nitric Oxide by Aldehyde Dehydrogenase-2 Is Necessary and Sufficient for Vascular Bioactivation of Nitroglycerin. Journal of Biological Chemistry, 2016, 291, 24076-24084.	1.6	31
83	MiR-206 is expressed in pancreatic islets and regulates glucokinase activity. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E175-E185.	1.8	35
84	Development of novel fluorescent protein-based probes for live-cell imaging of nitric oxide dynamics. Free Radical Biology and Medicine, 2016, 96, S18.	1.3	0
85	PRMT1-mediated methylation of MICU1 determines the UCP2/3 dependency of mitochondrial Ca2+ uptake in immortalized cells. Nature Communications, 2016, 7, 12897.	5.8	59
86	Filling a GAPâ€"An Optimized Probe for ER Ca 2+ Imaging InÂVivo. Cell Chemical Biology, 2016, 23, 641-643.	2.5	2
87	Lysosomal acid lipase regulates VLDL synthesis and insulin sensitivity in mice. Diabetologia, 2016, 59, 1743-1752.	2.9	37
88	Monoglyceride lipase deficiency modulates endocannabinoid signaling and improves plaque stability in ApoE-knockout mice. Atherosclerosis, 2016, 244, 9-21.	0.4	35
89	The <scp>GPR</scp> 55 agonist, <scp>L</scp>â€Ì±â€lysophosphatidylinositol, mediates ovarian carcinoma cellâ€induced angiogenesis. British Journal of Pharmacology, 2015, 172, 4107-4118.	2.7	29
90	Rearrangement of MICU1 multimers for activation of MCU is solely controlled by cytosolic Ca2+. Scientific Reports, 2015, 5, 15602.	1.6	45

#	Article	IF	Citations
91	Generation of Red-Shifted Cameleons for Imaging Ca2+ Dynamics of the Endoplasmic Reticulum. Sensors, 2015, 15, 13052-13068.	2.1	26
92	Micro-RNA 206 affects glucose induced insulin secretion under high-fat diet. Atherosclerosis, 2015, 241, e83.	0.4	0
93	UCP2 modulates single-channel properties of a MCU-dependent Ca2+ inward current in mitochondria. Pflugers Archiv European Journal of Physiology, 2015, 467, 2509-2518.	1.3	28
94	Active autophagy but not lipophagy in macrophages with defective lipolysis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1304-1316.	1.2	22
95	Assessment of Mitochondrial Ca2+ Uptake. Methods in Molecular Biology, 2015, 1264, 421-439.	0.4	4
96	Oleoyl-Lysophosphatidylcholine Limits Endothelial Nitric Oxide Bioavailability by Induction of Reactive Oxygen Species. PLoS ONE, 2014, 9, e113443.	1.1	16
97	Adaptations of Energy Metabolism Associated with Increased Levels of Mitochondrial Cholesterol in Niemann-Pick Type C1-deficient Cells. Journal of Biological Chemistry, 2014, 289, 16278-16289.	1.6	65
98	TRPV1 mediates cellular uptake of anandamide and thus promotes endothelial cell proliferation and network-formation. Biology Open, 2014, 3, 1164-1172.	0.6	43
99	Characterization of rat serum amyloid A4 (SAA4): A novel member of the SAA superfamily. Biochemical and Biophysical Research Communications, 2014, 450, 1643-1649.	1.0	11
100	ATP increases within the lumen of the endoplasmic reticulum upon intracellular Ca²⁺release. Molecular Biology of the Cell, 2014, 25, 368-379.	0.9	65
101	Metabolismâ€“Secretion Coupling and Mitochondrial Calcium Activities in Clonal Pancreatic Î²-Cells. Vitamins and Hormones, 2014, 95, 63-86.	0.7	4
102	Deletion of CGI-58 or adipose triglyceride lipase differently affects macrophage function and atherosclerosis. Journal of Lipid Research, 2014, 55, 2562-2575.	2.0	27
103	Mitochondrial Ca2+ uniporter (MCU)-dependent and MCU-independent Ca2+ channels coexist in the inner mitochondrial membrane. Pflugers Archiv European Journal of Physiology, 2014, 466, 1411-1420.	1.3	29
104	Inositol-1,4,5-trisphosphate (IP3)-mediated STIM1 oligomerization requires intact mitochondrial Ca2+ uptake. Journal of Cell Science, 2014, 127, 2944-55.	1.2	50
105	miR-206 controls LXRÎ± expression and promotes LXR-mediated cholesterol efflux in macrophages. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 827-835.	1.2	35
106	The endocannabinoid N-arachidonoyl glycine (NAGly) inhibits store-operated Ca2+ entry by abrogating STIM1/Orai1 interaction. Journal of Cell Science, 2013, 126, 879-88.	1.2	23
107	Characterization of distinct single-channel properties of Ca2+ inward currents in mitochondria. Pflugers Archiv European Journal of Physiology, 2013, 465, 997-1010.	1.3	37
108	Enhanced Ca²⁺Entry and Tyrosine Phosphorylation Mediate Nanostructure-Induced Endothelial Proliferation. Journal of Nanomaterials, 2013, 2013, 1-10.	1.5	10

#	Article	IF	Citations
109	NAT8L (N-Acetyltransferase 8-Like) Accelerates Lipid Turnover and Increases Energy Expenditure in Brown Adipocytes. Journal of Biological Chemistry, 2013, 288, 36040-36051.	1.6	52
110	N â€arachidonoyl glycine suppresses Na + / Ca 2+ exchangerâ€mediated Ca 2+ entry into endothelial cells and activates BK Ca channels ind. British Journal of Pharmacology, 2013, 169, 933-948.	2.7	25
111	Molecularly Distinct Routes of Mitochondrial Ca2+ Uptake Are Activated Depending on the Activity of the Sarco/Endoplasmic Reticulum Ca2+ ATPase (SERCA). Journal of Biological Chemistry, 2013, 288, 15367-15379.	1.6	34
112	Acyl Chain-Dependent Effect of Lysophosphatidylcholine on Endothelium-Dependent Vasorelaxation. PLoS ONE, 2013, 8, e65155.	1.1	32
113	C16 ceramide is crucial for triacylglycerol-induced apoptosis in macrophages. Cell Death and Disease, 2012, 3, e280-e280.	2.7	55
114	Mitochondrial Ca2+ uptake 1 (MICU1) and mitochondrial Ca2+ uniporter (MCU) contribute to metabolism-secretion coupling in clonal pancreatic Î²-cells.. Journal of Biological Chemistry, 2012, 287, 42453.	1.6	2
115	Inhibition of Autophagy Rescues Palmitic Acid-induced Necroptosis of Endothelial Cells. Journal of Biological Chemistry, 2012, 287, 21110-21120.	1.6	118
116	Mitochondrial Ca2+ Uptake 1 (MICU1) and Mitochondrial Ca2+ Uniporter (MCU) Contribute to Metabolism-Secretion Coupling in Clonal Pancreatic Î²-Cells. Journal of Biological Chemistry, 2012, 287, 34445-34454.	1.6	120
117	Acyl chain-dependent effect of lysophosphatidylcholine on cyclooxygenase (COX)-2 expression in endothelial cells. Atherosclerosis, 2012, 224, 348-354.	0.4	35
118	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
119	Spatiotemporal Correlations between Cytosolic and Mitochondrial Ca2+ Signals Using a Novel Red-Shifted Mitochondrial Targeted Cameleon. PLoS ONE, 2012, 7, e45917.	1.1	41
120	Endothelial mitochondriaâ€"less respiration, more integration. Pflugers Archiv European Journal of Physiology, 2012, 464, 63-76.	1.3	96
121	The Role of Mitochondria in the Activation/Maintenance of SOCE. , 2012, , 211-229.		0
122	Docosahexaenoic acid-induced unfolded protein response, cell cycle arrest, and apoptosis in vascular smooth muscle cells are triggered by Ca2+-dependent induction of oxidative stress. Free Radical Biology and Medicine, 2012, 52, 1786-1795.	1.3	35
123	Studying mitochondrial Ca2+ uptake â€“ A revisit. Molecular and Cellular Endocrinology, 2012, 353, 114-127.	1.6	48
124	The GPR55 agonist lysophosphatidylinositol acts as an intracellular messenger and bidirectionally modulates Ca2+-activated large-conductance K+ channels in endothelial cells. Pflugers Archiv European Journal of Physiology, 2011, 461, 177-189.	1.3	34
125	The GPR55 agonist lysophosphatidylinositol directly activates intermediate-conductance Ca2+-activated K+ channels. Pflugers Archiv European Journal of Physiology, 2011, 462, 245-255.	1.3	33
126	Triacylglycerol Accumulation Activates the Mitochondrial Apoptosis Pathway in Macrophages. Journal of Biological Chemistry, 2011, 286, 7418-7428.	1.6	66

#	Article	IF	Citations
127	Leucine Zipper EF Hand-containing Transmembrane Protein 1 (Letm1) and Uncoupling Proteins 2 and 3 (UCP2/3) Contribute to Two Distinct Mitochondrial Ca2+ Uptake Pathways. Journal of Biological Chemistry, 2011, 286, 28444-28455.	1.6	86
128	The contribution of UCP2 and UCP3 to mitochondrial Ca2+ uptake is differentially determined by the source of supplied Ca2+. Cell Calcium, 2010, 47, 433-440.	1.1	59
129	Uncoupling protein 3 adjusts mitochondrial Ca2+ uptake to high and low Ca2+ signals. Cell Calcium, 2010, 48, 288-301.	1.1	30
130	Mitochondrial Ca²⁺ channels: Great unknowns with important functions. FEBS Letters, 2010, 584, 1942-1947.	1.3	38
131	Lysophosphatidic acid receptor activation affects the C13NJ microglia cell line proteome leading to alterations in glycolysis, motility, and cytoskeletal architecture. Proteomics, 2010, 10, 141-158.	1.3	65
132	GPR55â€dependent and â€independent ion signalling in response to lysophosphatidylinositol in endothelial cells. British Journal of Pharmacology, 2010, 161, 308-320.	2.7	59
133	Mitochondrial Ca2+ uptake and not mitochondrial motility is required for STIM1-Orai1-dependent store-operated Ca2+ entry. Journal of Cell Science, 2010, 123, 2553-2564.	1.2	76
134	Vesicular Calcium Regulates Coat Retention, Fusogenicity, and Size of Pre-Golgi Intermediates. Molecular Biology of the Cell, 2010, 21, 1033-1046.	0.9	52
135	Acyl chain-dependent effect of lysophosphatidylcholine on endothelial prostacyclin production. Journal of Lipid Research, 2010, 51, 2957-2966.	2.0	47
136	Activation of endothelial nitric oxide synthase by the pro-apoptotic drug embelin: Striking discrepancy between nitric oxide-mediated cyclic GMP accumulation and l-citrulline formation. Nitric Oxide - Biology and Chemistry, 2010, 22, 281-289.	1.2	3
137	Mitochondrial protein phosphorylation: instigator or target of lipotoxicity?. Trends in Endocrinology and Metabolism, 2009, 20, 186-193.	3.1	23
138	UCP2/3 â€" likely to be fundamental for mitochondrial Ca2+ uniport. Nature Cell Biology, 2008, 10, 1237-1240.	4.6	53
139	Evidence for a receptor-activated Ca2+ entry pathway independent from Ca2+ store depletion in endothelial cells. Cell Calcium, 2008, 43, 83-94.	1.1	23
140	Mitochondrial Ca2+, the secret behind the function of uncoupling proteins 2 and 3?. Cell Calcium, 2008, 44, 36-50.	1.1	58
141	The C-terminal Region of Human Adipose Triglyceride Lipase Affects Enzyme Activity and Lipid Droplet Binding. Journal of Biological Chemistry, 2008, 283, 17211-17220.	1.6	133
142	Integrin clustering enables anandamide-induced Ca2+ signaling in endothelial cells via GPR55 by protection against CB1-receptor-triggered repression. Journal of Cell Science, 2008, 121, 1704-1717.	1.2	160
143	Cytosolic Ca2+ prevents the subplasmalemmal clustering of STIM1: an intrinsic mechanism to avoid Ca2+ overload. Journal of Cell Science, 2008, 121, 3133-3139.	1.2	62
144	Endothelial H 2 O 2. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1691-1693.	1.1	4

#	Article	IF	Citations
145	Mg2+ Deprivation Elicits Rapid Ca2+ Uptake and Activates Ca2+/Calcineurin Signaling in Saccharomyces cerevisiae. Eukaryotic Cell, 2007, 6, 592-599.	3.4	51
146	Uncoupling proteins 2 and 3 are fundamental for mitochondrial Ca2+ uniport. Nature Cell Biology, 2007, 9, 445-452.	4.6	307
147	Ca2+ refilling of the endoplasmic reticulum is largely preserved albeit reduced Ca2+ entry in endothelial cells. Cell Calcium, 2007, 41, 63-76.	1.1	40
148	Mitochondria and Ca2+ signaling: old guests, new functions. Pflugers Archiv European Journal of Physiology, 2007, 455, 375-396.	1.3	127
149	Mitochondria maintain maturation and secretion of lipoprotein lipase in the endoplasmic reticulum. Biochemical Journal, 2006, 396, 173-182.	1.7	19
150	A New Type of Non-Ca2+-buffering Apo(a)-based Fluorescent Indicator for Intraluminal Ca2+ in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2006, 281, 5017-5025.	1.6	27
151	The Role of Mitochondria for Ca2+ Refilling of the Endoplasmic Reticulum. Journal of Biological Chemistry, 2005, 280, 12114-12122.	1.6	139
152	T-Cadherin Mediates Low-Density Lipoprotein-Initiated Cell Proliferation Via the Ca2+-Tyrosine Kinase-Erk1/2 Pathway. Journal of Cardiovascular Pharmacology, 2005, 45, 418-430.	0.8	38
153	Twenty Years of Calcium Imaging: Cell Physiology to Dye For. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2005, 5, 112-127.	3.4	42
154	Kisspeptin-10, a KiSS-1/metastin-derived decapeptide, is a physiological invasion inhibitor of primary human trophoblasts. Journal of Cell Science, 2004, 117, 1319-1328.	1.2	314
155	2-Chlorohexadecanal Derived From Hypochlorite-Modified High-Density Lipoproteinâ€“Associated Plasmalogen Is a Natural Inhibitor of Endothelial Nitric Oxide Biosynthesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 2302-2306.	1.1	113
156	Cholesterol- and caveolin-rich membrane domains are essential for phospholipase A-dependent EDHF formation. Cardiovascular Research, 2004, 64, 234-242.	1.8	49
157	Hyperglycemic Conditions Affect Shape and Ca2+ Homeostasis of Mitochondria in Endothelial Cells. Journal of Cardiovascular Pharmacology, 2004, 44, 423-436.	0.8	51
158	Intercellular signalling within vascular cells under high D-glucose involves free radical-triggered tyrosine kinase activation. Diabetologia, 2003, 46, 773-783.	2.9	29
159	Anandamide initiates Ca2+ signaling via CB2 receptor linked to phospholipase C in calf pulmonary endothelial cells. British Journal of Pharmacology, 2003, 140, 1351-1362.	2.7	104
160	Sustained Ca2+ Transfer across Mitochondria Is Essential for Mitochondrial Ca2+ Buffering, Store-operated Ca2+ Entry, and Ca2+ Store Refilling. Journal of Biological Chemistry, 2003, 278, 44769-44779.	1.6	170
161	Free Fatty Acid Overload Attenuates Ca2+ Signaling and NO Production in Endothelial Cells. Antioxidants and Redox Signaling, 2003, 5, 147-153.	2.5	44
162	Mitochondria Efficiently Buffer Subplasmalemmal Ca2+Elevation during Agonist Stimulation. Journal of Biological Chemistry, 2003, 278, 10807-10815.	1.6	84

#	Article	IF	Citations
163	Diabetic LDL Triggers Apoptosis in Vascular Endothelial Cells. Diabetes, 2003, 52, 1240-1247.	0.3	57
164	Aspirin Inhibits Chlamydia pneumoniae â€“Induced Nuclear Factor-Î¹B Activation, Cytokine Expression, and Bacterial Development in Human Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1075-1080.	1.1	30
165	Oxidized phospholipids stimulate tissue factor expression in human endothelial cells via activation of ERK/EGR-1 and Ca++/NFAT. Blood, 2002, 99, 199-206.	0.6	185
166	Vascular targets of redox signalling in diabetes mellitus. Diabetologia, 2002, 45, 476-494.	2.9	142
167	Functional Analysis Of Histamine Receptor Subtypes Involved In Endothelium-Mediated Relaxation Of The Human Uterine Artery. Clinical and Experimental Pharmacology and Physiology, 2002, 29, 711-716.	0.9	20
168	Subplasmalemmal endoplasmic reticulum controls KCachannel activity upon stimulation with a moderate histamine concentration in a human umbilical vein endothelial cell line. Journal of Physiology, 2002, 540, 73-84.	1.3	37
169	Tissue-specific expression of human lipoprotein lipase in the vascular system affects vascular reactivity in transgenic mice. British Journal of Pharmacology, 2002, 135, 143-154.	2.7	25
170	Nitric oxide inhibits capacitative Ca2+entry by suppression of mitochondrial Ca2+handling. British Journal of Pharmacology, 2002, 137, 821-830.	2.7	35
171	Hydrogen Peroxide Activates Na+-Dependent Ca2+ Influx in Coronary Endothelial Cells. Biochemical and Biophysical Research Communications, 2001, 287, 1134-1139.	1.0	11
172	Histamineâ€induced Ca 2+ oscillations in a human endothelial cell line depend on transmembrane ion flux, ryanodine receptors and endoplasmic reticulum Ca 2+ â€ATPase. Journal of Physiology, 2000, 524, 701-713.	1.3	73
173	Subplasmalemmal ryanodineâ€sensitive Ca 2+ release contributes to Ca 2+ â€dependent K + channel activation in a human umbilical vein endothelial cell line. Journal of Physiology, 2000, 524, 715-724.	1.3	30
174	Coassembly of Trp1 and Trp3 Proteins Generates Diacylglycerol- and Ca2+-sensitive Cation Channels. Journal of Biological Chemistry, 2000, 275, 27799-27805.	1.6	264
175	In human hypercholesterolemia increased reactivity of vascular smooth muscle cells is due to altered subcellular Ca2+ distribution. Atherosclerosis, 2000, 149, 33-42.	0.4	15
176	Human diabetes is associated with hyperreactivity of vascular smooth muscle cells due to altered subcellular Ca2+ distribution. Diabetes, 1999, 48, 1323-1330.	0.3	76
177	Glycated low-density lipoprotein attenuates shear stress-induced nitric oxide synthesis by inhibition of shear stress-activated L-arginine uptake in endothelial cells. Diabetes, 1999, 48, 1331-1337.	0.3	55
178	Anandamide-induced mobilization of cytosolic Ca2+ in endothelial cells. British Journal of Pharmacology, 1999, 126, 1593-1600.	2.7	77
179	Alterations in platelet Ca 2+ signalling in diabetic patients is due to increased formation of superoxide anions and reduced nitric oxide production. Diabetologia, 1999, 42, 167-176.	2.9	80
180	Mechanisms of Ca2+store depletion in single endothelial cells in a Ca2+-free environment. Cell Calcium, 1999, 25, 345-353.	1.1	22

#	Article	IF	Citations
181	Increased superoxide anion formation in endothelial cells during hyperglycemia: an adaptive response or initial step of vascular dysfunction?. Diabetes Research and Clinical Practice, 1999, 45, 153-160.	1.1	71
182	Selective stimulation of L-arginine uptake contributes to shear stress-induced formation of nitric oxide. Life Sciences, 1999, 64, 663-670.	2.0	47
183	Potentiation of Ca2+ Signaling in Endothelial Cells by 11,12-Epoxyeicosatrienoic Acid. Journal of Cardiovascular Pharmacology, 1999, 33, 779-784.	0.8	23
184	Submaximal stimulation of porcine endothelial cells causes focal Ca2+elevation beneath the cell membrane. Journal of Physiology, 1998, 506, 109-125.	1.3	92
185	Stealth ryanodine-sensitive Ca2+release contributes to activity of capacitative Ca2+entry and nitric oxide synthase in bovine endothelial cells. Journal of Physiology, 1998, 513, 369-379.	1.3	42
186	ORIGIN AND FUNCTION OF EPOXYEICOSATRIENOIC ACIDS IN VASCULAR ENDOTHELIAL CELLS: MORE THAN JUST ENDOTHELIUM-DERIVED HYPERPOLARIZING FACTOR?. Clinical and Experimental Pharmacology and Physiology, 1998, 25, 826-830.	0.9	48
187	11,12-Epoxyeicosatrienoic acid stimulates tyrosine kinase activity in porcine aortic endothelial cells. European Journal of Pharmacology, 1998, 346, 115-117.	1.7	51
188	Effects of Superoxide Anions on Endothelial Ca ²⁺ Signaling Pathways. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 1470-1479.	1.1	51
189	Antioxidants prevent high-d-glucose-enhanced endothelial Ca2+/cGMP response by scavenging superoxide anions. European Journal of Pharmacology, 1997, 322, 113-122.	1.7	22
190	Vascular Effects of l-Arginine: Anything beyond a Substrate for the NO-Synthase?. Biochemical and Biophysical Research Communications, 1997, 234, 35-38.	1.0	94
191	Activation of microsomal cytochrome P450 mono-oxygenase by Ca2+ store depletion and its contribution to Ca2+ entry in porcine aortic endothelial cells. British Journal of Pharmacology, 1997, 121, 1579-1588.	2.7	68
192	Temperature dependence of agonist-stimulated Ca2+ signaling in cultured endothelial cells. Cell Calcium, 1997, 21, 43-51.	1.1	27
193	Mechanisms of Lâ€N^G nitroarginine/indomethacinâ€resistant relaxation in bovine and porcine coronary arteries. British Journal of Pharmacology, 1996, 119, 1177-1186.	2.7	34
194	Cytochrome P450 monoâ€oxygenaseâ€regulated signalling of Ca2+ entry in human and bovine endothelial cells.. Journal of Physiology, 1995, 482, 259-274.	1.3	196
195	Intracellular mechanism of highd-glucose-induced modulation of vascular cell proliferation. European Journal of Pharmacology, 1995, 294, 221-229.	1.7	53
196	The Effects of Intracellular Ca2+ Concentration and Hypoxia on Basal Endothelin-1 Secretion by Cultured Porcine Aortic Endothelial Cells. , 1995, 45, 269-273.		5
197	Ca2+Regulation and Endothelial Vascular Function. Endothelium: Journal of Endothelial Cell Research, 1994, 1, 223-236.	1.7	48
198	Intracellular Mechanisms Involved in D-Glucoseâ€"Mediated Amplification of Agonist-Induced Ca2+Response and EDRF Formation in Vascular Endothelial Cells. Diabetes, 1994, 43, 984-991.	0.3	31

#	Article	IF	Citations
199	Effect of intracellular Ca2+concentration on endothelin-1 secretion. FEBS Letters, 1994, 350, 33-36.	1.3	16
200	High-density lipoprotein antagonizes the inhibitory effects of oxidized low-density lipoprotein and lysolecithin on soluble guanylyl cyclase. Biochemical and Biophysical Research Communications, 1992, 182, 302-308.	1.0	30
201	SK&F 96365 inhibits histamine-induced formation of endothelium-derived relaxing factor in human endothelial cells. Biochemical and Biophysical Research Communications, 1992, 186, 1539-1545.	1.0	31
202	Activation of a small-conductance Ca2+-dependent K+ channel contributes to bradykinin-induced stimulation of nitric oxide synthesis in pig aortic endothelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1992, 1137, 162-170.	1.9	67
203	Is the bradykinin-induced Ca2+ influx and the formation of endothelium-derived relaxing factor mediated by a G protein?. European Journal of Pharmacology, 1992, 225, 43-49.	2.7	25
204	Activation of G Protein Evokes Ca2+ Influx in Endothelial Cells Without Correlation to Inositol Phosphates. Journal of Cardiovascular Pharmacology, 1991, 17, S71-S78.	0.8	9
205	Stimulation of Soluble Guanylate Cyclase by Endothelium-Derived Relaxing Factor Is Antagonized by Oxidized Low-Density Lipoprotein. Journal of Cardiovascular Pharmacology, 1991, 17, S83-S88.	0.8	12
206	Effect of sodium fluoride on cytosolic free Ca2+- concentrations and cGMP-levels in endothelial cells. Cellular Signalling, 1990, 2, 369-375.	1.7	41
207	Activation of soluble guanylate cyclase by nitrovasodilators is inhibited by oxidized low-density lipoprotein. Biochemical and Biophysical Research Communications, 1990, 172, 614-619.	1.0	38
208	Hexokinase-II Enzymatic Activity Requires High Levels of Intracellular K+. SSRN Electronic Journal, 0, , .	0.4	0
209	Salivary potassium measured by genetically encoded potassium ion indicators as a surrogate for plasma potassium levels in hemodialysis patients â€“ a proof-of-concept study. Nephrology Dialysis Transplantation, 0, , .	0.4	0