

Luc Leybaert

List of Publications by Year in descending order

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203
papers

12,135
citations

22153

59
h-index

32842

100
g-index

208
all docs

208
docs citations

208
times ranked

11706
citing authors

#	ARTICLE	IF	CITATIONS
1	Glial Connexins and Pannexins in the Healthy and Diseased Brain. <i>Physiological Reviews</i> , 2021, 101, 93-145.	28.8	79
2	Preservation of connexin 43 and transzonal projections in isolated bovine pre-antral follicles before and following vitrification. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 479-492.	2.5	7
3	Intercellular Communication in the Heart: Therapeutic Opportunities for Cardiac Ischemia. <i>Trends in Molecular Medicine</i> , 2021, 27, 248-262.	6.7	45
4	RyR2 regulates Cx43 hemichannel intracellular Ca ²⁺ -dependent activation in cardiomyocytes. <i>Cardiovascular Research</i> , 2021, 117, 123-136.	3.8	31
5	Calcium Intercellular Ca ²⁺ Waves: Mechanisms of Initiation and Propagation. , 2021, , 678-684.		0
6	The role of connexin proteins and their channels in radiation-induced atherosclerosis. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3087-3103.	5.4	20
7	The resting membrane potential of hSC-CM in a syncytium is more hyperpolarised than that of isolated cells. <i>Channels</i> , 2021, 15, 239-252.	2.8	9
8	Xâ€‘irradiation induces acute and early term inflammatory responses in atherosclerosisâ€‘prone ApoEâ€‘/â€‘ mice and in endothelial cells. <i>Molecular Medicine Reports</i> , 2021, 23, .	2.4	8
9	Connexin 43 phosphorylation by casein kinase 1 is essential for the cardioprotection by ischemic preconditioning. <i>Basic Research in Cardiology</i> , 2021, 116, 21.	5.9	25
10	Cx43 hemichannel microdomain signaling at the intercalated disc enhances cardiac excitability. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	54
11	The calcium dynamics of human dental pulp stem cells stimulated with tricalcium silicate-based cements determine their differentiation and mineralization outcome. <i>Scientific Reports</i> , 2021, 11, 645.	3.3	16
12	Comparison of Shifts in Skeletal Muscle Plasticity Parameters in Horses in Three Different Muscles, in Answer to 8 Weeks of Harness Training. <i>Frontiers in Veterinary Science</i> , 2021, 8, 718866.	2.2	4
13	Vitrification negatively affects the Ca ²⁺ -releasing and activation potential of mouse oocytes, but vitrified oocytes are potentially useful for diagnostic purposes. <i>Reproductive BioMedicine Online</i> , 2020, 40, 13-25.	2.4	13
14	Gap19, a Cx43 Hemichannel Inhibitor, Acts as a Gating Modifier That Decreases Main State Opening While Increasing Substate Gating. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7340.	4.1	8
15	Astrocytic Connexin43 Channels as Candidate Targets in Epilepsy Treatment. <i>Biomolecules</i> , 2020, 10, 1578.	4.0	27
16	Comparative study of preimplantation development following distinct assisted oocyte activation protocols in a PLC-zeta knockout mouse model. <i>Molecular Human Reproduction</i> , 2020, 26, 801-815.	2.8	11
17	Cx43 channels and signaling via IP3/Ca ²⁺ , ATP, and ROS/NO propagate radiation-induced DNA damage to non-irradiated brain microvascular endothelial cells. <i>Cell Death and Disease</i> , 2020, 11, 194.	6.3	34
18	Connexin43 Hemichannel Targeting With TAT-Gap19 Alleviates Radiation-Induced Endothelial Cell Damage. <i>Frontiers in Pharmacology</i> , 2020, 11, 212.	3.5	27

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19	Christian Giaume (November 1951–July 2019). <i>Glia</i> , 2020, 68, 1321-1328.	4.9	0
20	Targeting connexins with Gap27 during cold storage of the human donor uterus protects against cell death. <i>PLoS ONE</i> , 2020, 15, e0243663.	2.5	1
21	Glucocorticoid receptor in astrocytes regulates midbrain dopamine neurodegeneration through connexin hemichannel activity. <i>Cell Death and Differentiation</i> , 2019, 26, 580-596.	11.2	53
22	Adjuvant therapeutic potential of tonabersat in the standard treatment of glioblastoma: A preclinical F98 glioblastoma rat model study. <i>PLoS ONE</i> , 2019, 14, e0224130.	2.5	16
23	Articulated Instruments and 3D Visualization: A Synergy? Evaluation of Execution Time, Errors, and Visual Fatigue. <i>Surgical Innovation</i> , 2019, 26, 456-463.	0.9	2
24	Single and fractionated ionizing radiation induce alterations in endothelial connexin expression and channel function. <i>Scientific Reports</i> , 2019, 9, 4643.	3.3	26
25	Targeting MAPK phosphorylation of Connexin43 provides neuroprotection in stroke. <i>Journal of Experimental Medicine</i> , 2019, 216, 916-935.	8.5	50
26	Blocking connexin43 hemichannels protects mice against tumour necrosis factor-induced inflammatory shock. <i>Scientific Reports</i> , 2019, 9, 16623.	3.3	24
27	Connexins and pannexins in Alzheimer's disease. <i>Neuroscience Letters</i> , 2019, 695, 100-105.	2.1	28
28	Connexin hemichannels and cell death as measures of bovine COC vitrification success. <i>Reproduction</i> , 2019, 157, 87-99.	2.6	12
29	Inhibition of astroglial connexin43 hemichannels with TAT-Cx43-Gap19 exerts anticonvulsant effects in rodents. <i>Glia</i> , 2018, 66, 1788-1804.	4.9	50
30	Noninvasive Whole-Body Imaging of Phosphatidylethanolamine as a Cell Death Marker Using ^{99m} Tc-Duramycin During TNF-Induced SIRS. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1140-1145.	5.0	18
31	The SH3-binding domain of Cx43 participates in loop/tail interactions critical for Cx43-hemichannel activity. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2059-2073.	5.4	27
32	Human oocyte calcium analysis predicts the response to assisted oocyte activation in patients experiencing fertilization failure after ICSI. <i>Human Reproduction</i> , 2018, 33, 416-425.	0.9	34
33	Single Ca ²⁺ transients vs oscillatory Ca ²⁺ signaling for assisted oocyte activation: limitations and benefits. <i>Reproduction</i> , 2018, 155, R105-R119.	2.6	31
34	Therapeutic Targeting of Connexin Channels: New Views and Challenges. <i>Trends in Molecular Medicine</i> , 2018, 24, 1036-1053.	6.7	71
35	Species-dependent extracranial manifestations of a brain seeking breast cancer cell line. <i>PLoS ONE</i> , 2018, 13, e0208340.	2.5	7
36	Blocking connexin channels during vitrification of immature cat oocytes improves maturation capacity after warming. <i>Theriogenology</i> , 2018, 122, 144-149.	2.1	14

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37	Culture conditions affect Ca ²⁺ release in artificially activated mouse and human oocytes. <i>Reproduction, Fertility and Development</i> , 2018, 30, 991.	0.4	12
38	Calcium, a pivotal player in photodynamic therapy?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1805-1814.	4.1	15
39	TAT-Gap19 and Carbenoxolone Alleviate Liver Fibrosis in Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 817.	4.1	34
40	Calcium, oxidative stress and connexin channels, a harmonious orchestra directing the response to radiotherapy treatment?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1099-1120.	4.1	48
41	Blocking connexin channels improves embryo development of vitrified bovine blastocysts. <i>Biology of Reproduction</i> , 2017, 96, 288-301.	2.7	14
42	Mitochondrial Cx43 hemichannels contribute to mitochondrial calcium entry and cell death in the heart. <i>Basic Research in Cardiology</i> , 2017, 112, 27.	5.9	98
43	The BH4 domain of Bcl-2 orthologues from different classes of vertebrates can act as an evolutionary conserved inhibitor of IP3 receptor channels. <i>Cell Calcium</i> , 2017, 62, 41-46.	2.4	11
44	Astrocytic gap junction blockade markedly increases extracellular potassium without causing seizures in the mouse neocortex. <i>Neurobiology of Disease</i> , 2017, 101, 1-7.	4.4	28
45	Necroptotic cell death in anti-cancer therapy. <i>Immunological Reviews</i> , 2017, 280, 207-219.	6.0	126
46	Inhibition of connexin hemichannels alleviates non-alcoholic steatohepatitis in mice. <i>Scientific Reports</i> , 2017, 7, 8268.	3.3	33
47	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. <i>Pharmacological Reviews</i> , 2017, 69, 396-478.	16.0	191
48	Inhibition of connexin hemichannels alleviates non-alcoholic steatohepatitis in mouse. <i>Journal of Hepatology</i> , 2017, 66, S432.	3.7	1
49	Contribution of Astroglial Cx43 Hemichannels to the Modulation of Glutamatergic Currents by D-Serine in the Mouse Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2017, 37, 9064-9075.	3.6	87
50	Connexin Channels at the Glio-Vascular Interface: Gatekeepers of the Brain. <i>Neurochemical Research</i> , 2017, 42, 2519-2536.	3.3	38
51	Connexin hemichannel inhibition reduces acetaminophen-induced liver injury in mice. <i>Toxicology Letters</i> , 2017, 278, 30-37.	0.8	31
52	Pannexin1 as mediator of inflammation and cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 51-61.	4.1	85
53	At the cross-point of connexins, calcium, and ATP: blocking hemichannels inhibits vasoconstriction of rat small mesenteric arteries. <i>Cardiovascular Research</i> , 2017, 113, 195-206.	3.8	37
54	Connexin-Dependent Neuroglial Networking as a New Therapeutic Target. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 174.	3.7	55

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55	Inhibition of Connexin43 Hemichannels Impairs Spatial Short-Term Memory without Affecting Spatial Working Memory. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 288.	3.7	48
56	Electroporation Loading and Dye Transfer: A Safe and Robust Method to Probe Gap Junctional Coupling. <i>Methods in Molecular Biology</i> , 2016, 1437, 155-169.	0.9	3
57	Into rather unexplored terrain—transcellular transport across the blood–brain barrier. <i>Glia</i> , 2016, 64, 1097-1123.	4.9	118
58	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , 2016, 15, 274-287.	6.4	317
59	Nutrient Starvation Decreases Cx43 Levels and Limits Intercellular Communication in Primary Bovine Corneal Endothelial Cells. <i>Journal of Membrane Biology</i> , 2016, 249, 363-373.	2.1	5
60	Connexins and their channels in inflammation. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 413-439.	5.2	93
61	Connexins: substrates and regulators of autophagy. <i>BMC Cell Biology</i> , 2016, 17, 20.	3.0	37
62	IP 3 , still on the move but now in the slow lane. <i>Science Signaling</i> , 2016, 9, fs17.	3.6	16
63	Ryanodine receptors are targeted by anti-apoptotic Bcl-XL involving its BH4 domain and Lys87 from its BH3 domain. <i>Scientific Reports</i> , 2015, 5, 9641.	3.3	30
64	Intracellular Cleavage of the Cx43 C-Terminal Domain by Matrix-Metalloproteases: A Novel Contributor to Inflammation?. <i>Mediators of Inflammation</i> , 2015, 2015, 1-18.	3.0	32
65	Flash Photolysis of Caged IP 3 to Trigger Intercellular Ca^{2+} Waves. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot076570.	0.3	9
66	Structure, Regulation and Function of Gap Junctions in Liver. <i>Cell Communication and Adhesion</i> , 2015, 22, 29-37.	1.0	18
67	Electroporation Loading and Flash Photolysis to Investigate Intra- and Intercellular Ca^{2+} -Signaling. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top066068.	0.3	5
68	Connexin and pannexin signaling pathways, an architectural blueprint for CNS physiology and pathology?. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 2823-2851.	5.4	61
69	Connexin 43 is an emerging therapeutic target in ischemia/reperfusion injury, cardioprotection and neuroprotection. , 2015, 153, 90-106.		194
70	Electroporation Loading of Membrane-Impermeable Molecules to Investigate Intra- and Intercellular Ca^{2+} Signaling. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot076562.	0.3	7
71	The BH4 Domain of Anti-apoptotic Bcl-XL, but Not That of the Related Bcl-2, Limits the Voltage-dependent Anion Channel 1 (VDAC1)-mediated Transfer of Pro-apoptotic Ca^{2+} Signals to Mitochondria. <i>Journal of Biological Chemistry</i> , 2015, 290, 9150-9161.	3.4	108
72	Fluoxetine suppresses calcium signaling in human T lymphocytes through depletion of intracellular calcium stores. <i>Cell Calcium</i> , 2015, 58, 254-263.	2.4	15

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73	18F-fluoromethylcholine (FCho), 18F-fluoroethyltyrosine (FET), and 18F-fluorodeoxyglucose (FDG) for the discrimination between high-grade glioma and radiation necrosis in rats: A PET study. Nuclear Medicine and Biology, 2015, 42, 38-45.	0.6	30
74	The connexin43 mimetic peptide Gap19 inhibits hemichannels without altering gap junctional communication in astrocytes. Frontiers in Cellular Neuroscience, 2014, 8, 306.	3.7	151
75	A Novel Design for Steerable Instruments Based on Laser-Cut Nitinol. Surgical Innovation, 2014, 21, 303-311.	0.9	14
76	Efficacy of Products to Remove Eggs of <i>Pediculus humanus capitis</i> (Phthiraptera: Pediculidae) From the Human Hair. Journal of Medical Entomology, 2014, 51, 400-407.	1.8	12
77	Connexin and pannexin (hemi)channels in the liver. Frontiers in Physiology, 2014, 4, 405.	2.8	45
78	Cx43-hemichannel function and regulation in physiology and pathophysiology: insights from the bovine corneal endothelial cell system and beyond. Frontiers in Physiology, 2014, 5, 348.	2.8	32
79	A new angle on bloodâ€“CNS interfaces: A role for connexins?. FEBS Letters, 2014, 588, 1259-1270.	2.8	72
80	The dual face of connexin-based astroglial Ca ²⁺ communication: A key player in brain physiology and a prime target in pathology. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2211-2232.	4.1	74
81	MRI-guided 3D conformal arc micro-irradiation of a F98 glioblastoma rat model using the Small Animal Radiation Research Platform (SARRP). Journal of Neuro-Oncology, 2014, 120, 257-266.	2.9	32
82	Dysautonomia and its underlying mechanisms in the hypermobility type of Ehlersâ€“Danlos syndrome. Seminars in Arthritis and Rheumatism, 2014, 44, 93-100.	3.4	116
83	Hunting for connexin hemichannels. FEBS Letters, 2014, 588, 1205-1211.	2.8	153
84	Bcl-2 binds to and inhibits ryanodine receptors. Journal of Cell Science, 2014, 127, 2782-92.	2.0	55
85	Opening of pannexin- and connexin-based channels increases the excitability of nodose ganglion sensory neurons. Frontiers in Cellular Neuroscience, 2014, 8, 158.	3.7	38
86	Proteomic and metabolomic responses to connexin43 silencing in primary hepatocyte cultures. Archives of Toxicology, 2013, 87, 883-894.	4.2	12
87	Endothelial calcium dynamics, connexin channels and bloodâ€“brain barrier function. Progress in Neurobiology, 2013, 108, 1-20.	5.7	141
88	Regulation of connexinâ€“and pannexinâ€“based channels by postâ€“translational modifications. Biology of the Cell, 2013, 105, 373-398.	2.0	57
89	Inhibiting Connexin Channels Protects Against Cryopreservation-induced Cell Death in Human Blood Vessels. European Journal of Vascular and Endovascular Surgery, 2013, 45, 382-390.	1.5	15
90	Negatively charged residues (Asp378 and Asp379) in the last ten amino acids of the C-terminal tail of Cx43 hemichannels are essential for loop/tail interactions. Biochemical and Biophysical Research Communications, 2013, 432, 707-712.	2.1	22

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91	IP3, a small molecule with a powerful message. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1772-1786.	4.1	49
92	Connexin targeting peptides as inhibitors of voltage- and intracellular Ca ²⁺ -triggered Cx43 hemichannel opening. Neuropharmacology, 2013, 75, 506-516.	4.1	108
93	Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. Basic Research in Cardiology, 2013, 108, 309.	5.9	216
94	Peptides and peptide-derived molecules targeting the intracellular domains of Cx43: Gap junctions versus hemichannels. Neuropharmacology, 2013, 75, 491-505.	4.1	78
95	Paracrine signaling through plasma membrane hemichannels. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 35-50.	2.6	177
96	TNF/TNF-R1 pathway is involved in doxorubicin-induced acute sterile inflammation. Cell Death and Disease, 2013, 4, e961-e961.	6.3	16
97	Diagnostic and prognostic value of calcium oscillatory pattern analysis for patients with ICSI fertilization failure. Human Reproduction, 2013, 28, 87-98.	0.9	77
98	Connexin 43 impacts on mitochondrial potassium uptake. Frontiers in Pharmacology, 2013, 4, 73.	3.5	55
99	Connexin and pannexin hemichannels in brain glial cells: properties, pharmacology, and roles. Frontiers in Pharmacology, 2013, 4, 88.	3.5	190
100	Neurological manifestations of oculodentodigital dysplasia: a Cx43 channelopathy of the central nervous system?. Frontiers in Pharmacology, 2013, 4, 120.	3.5	57
101	Alpha-Helical Destabilization of the Bcl-2-BH4-Domain Peptide Abolishes Its Ability to Inhibit the IP3 Receptor. PLoS ONE, 2013, 8, e73386.	2.5	27
102	Intercellular Ca ²⁺ Waves: Mechanisms of Initiation and Propagation. , 2013, , 613-618.		0
103	Abstract B42: The regulation of the ER-mitochondria-Ca ²⁺ cross-talk by Bcl-2 and Bcl-XL: A new scenario for the development of selective tools in oncology?. , 2013, , .		1
104	Transfer of IP3 through gap junctions is critical, but not sufficient, for the spread of apoptosis. Cell Death and Differentiation, 2012, 19, 947-957.	11.2	49
105	Connexin 43 Hemichannels Contribute to Cytoplasmic Ca ²⁺ Oscillations by Providing a Bimodal Ca ²⁺ -dependent Ca ²⁺ Entry Pathway. Journal of Biological Chemistry, 2012, 287, 12250-12266.	3.4	105
106	Selective regulation of IP3-receptor-mediated Ca ²⁺ signaling and apoptosis by the BH4 domain of Bcl-2 versus Bcl-XL. Cell Death and Differentiation, 2012, 19, 295-309.	11.2	160
107	Connexin43 Signaling Contributes to Spontaneous Apoptosis in Cultures of Primary Hepatocytes. Toxicological Sciences, 2012, 125, 175-186.	3.1	41
108	Non-channel functions of connexins in cell growth and cell death. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2002-2008.	2.6	90

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109	Low extracellular Ca ²⁺ conditions induce an increase in brain endothelial permeability that involves intercellular Ca ²⁺ waves. <i>Brain Research</i> , 2012, 1487, 78-87.	2.2	48
110	Gap26, a connexin mimetic peptide, inhibits currents carried by connexin43 hemichannels and gap junction channels. <i>Pharmacological Research</i> , 2012, 65, 546-552.	7.1	96
111	Connexin mimetic peptides inhibit Cx43 hemichannel opening triggered by voltage and intracellular Ca ²⁺ elevation. <i>Basic Research in Cardiology</i> , 2012, 107, 304.	5.9	132
112	Manipulating Connexin Communication Channels: Use of Peptidomimetics and the Translational Outputs. <i>Journal of Membrane Biology</i> , 2012, 245, 437-449.	2.1	83
113	Pannexin 1 Ohnologs in the Teleost Lineage. <i>Journal of Membrane Biology</i> , 2012, 245, 483-493.	2.1	23
114	RhoA GTPase Switch Controls Cx43-Hemichannel Activity through the Contractile System. <i>PLoS ONE</i> , 2012, 7, e42074.	2.5	24
115	Intercellular Ca ²⁺ Waves: Mechanisms and Function. <i>Physiological Reviews</i> , 2012, 92, 1359-1392.	28.8	258
116	Quantifying hemodynamic refractory bold effects in normal subjects at the single-subject level using an inverse logit fitting procedure. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 723-730.	3.4	2
117	Release of gliotransmitters through astroglial connexin 43 hemichannels is necessary for fear memory consolidation in the basolateral amygdala. <i>FASEB Journal</i> , 2012, 26, 3649-3657.	0.5	211
118	Influence of methanandamide and CGRP on potassium currents in smooth muscle cells of small mesenteric arteries. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 463, 669-677.	2.8	19
119	The contractile system as a negative regulator of the connexin 43 hemichannel. <i>Biology of the Cell</i> , 2012, 104, 367-377.	2.0	33
120	Unraveling the mechanism of L- ² -N-oxalyl-L- ² -diaminopropionic acid (L- ² -ODAP) induced excitotoxicity and oxidative stress, relevance for neurolathyrism prevention. <i>Food and Chemical Toxicology</i> , 2011, 49, 550-555.	3.6	30
121	L- ² -N-oxalyl-L- ² -diaminopropionic acid toxicity in motor neurons. <i>NeuroReport</i> , 2011, 22, 131-135.	1.2	7
122	Pharmacological modulation of connexin-formed channels in cardiac pathophysiology. <i>British Journal of Pharmacology</i> , 2011, 163, 469-483.	5.4	75
123	Engaging neuroscience to advance translational research in brain barrier biology. <i>Nature Reviews Neuroscience</i> , 2011, 12, 169-182.	10.2	508
124	Galactose-modified iNKT cell agonists stabilized by an induced fit of CD1d prevent tumour metastasis. <i>EMBO Journal</i> , 2011, 30, 2294-2305.	7.8	98
125	Connexins: sensors and regulators of cell cycling. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011, 1815, 13-25.	7.4	52
126	Calcium and connexin-based intercellular communication, a deadly catch?. <i>Cell Calcium</i> , 2011, 50, 310-321.	2.4	64

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127	Pannexin channels in ATP release and beyond: An unexpected rendezvous at the endoplasmic reticulum. Cellular Signalling, 2011, 23, 305-316.	3.6	93
128	Connexin Channels Provide a Target to Manipulate Brain Endothelial Calcium Dynamics and Bloodâ€”Brain Barrier Permeability. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1942-1957.	4.3	135
129	Characterization of spontaneous cell death in monolayer cultures of primary hepatocytes. Archives of Toxicology, 2011, 85, 1589-1596.	4.2	20
130	Galactose modified iNKT cell agonists stabilised by a novel structural modification of CD1d lead to marked Th1 polarisation in vivo. Annals of the Rheumatic Diseases, 2011, 70, A53-A53.	0.9	0
131	Absence of haemodynamic refractory effects in patients with migraine without aura â€” an interictal fMRI study. Cephalalgia, 2011, 31, 1220-1231.	3.9	14
132	Connexin32 hemichannels contribute to the apoptotic-to-necrotic transition during Fas-mediated hepatocyte cell death. Cellular and Molecular Life Sciences, 2010, 67, 907-918.	5.4	31
133	Î²-ODAP alters mitochondrial Ca ²⁺ handling as an early event in excitotoxicity. Cell Calcium, 2010, 47, 287-296.	2.4	19
134	Intramolecular loop/tail interactions are essential for connexin 43â€”hemichannel activity. FASEB Journal, 2010, 24, 4378-4395.	0.5	142
135	DNA methyltransferase 3a expression decreases during apoptosis in primary cultures of hepatocytes. Toxicology in Vitro, 2010, 24, 445-451.	2.4	13
136	Oscillatory Ca ²⁺ dynamics and cell cycle resumption at fertilization in mammals: a modelling approach. International Journal of Developmental Biology, 2010, 54, 655-665.	0.6	21
137	Biochemical Characterisation of an In Vitro Model of Hepatocellular Apoptotic Cell Death. ATLA Alternatives To Laboratory Animals, 2009, 37, 209-218.	1.0	11
138	Reduced amounts and abnormal forms of phospholipase C zeta (PLCÎ²) in spermatozoa from infertile men. Human Reproduction, 2009, 24, 2417-2428.	0.9	257
139	Water-soluble CO-releasing molecules reduce the development of postoperative ileus via modulation of MAPK/HO-1 signalling and reduction of oxidative stress. Gut, 2009, 58, 347-356.	12.1	107
140	Role of symmetric dimethylarginine in vascular damage by increasing ROS via store-operated calcium influx in monocytes. Nephrology Dialysis Transplantation, 2009, 24, 1429-1435.	0.7	124
141	Peroxisome Proliferator-Activated Receptor Î³ Activation Alleviates Postoperative Ileus in Mice by Inhibition of Egr-1 Expression and Its Downstream Target Genes. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 496-503.	2.5	22
142	Flow cytometric calcium flux assay: Evaluation of cytoplasmic calcium kinetics in whole blood leukocytes. Journal of Immunological Methods, 2009, 348, 74-82.	1.4	19
143	Epigenetic regulation of gap junctional intercellular communication: More than a way to keep cells quiet?. Biochimica Et Biophysica Acta: Reviews on Cancer, 2009, 1795, 53-61.	7.4	29
144	Ca ²⁺ regulation of connexin 43 hemichannels in C6 glioma and glial cells. Cell Calcium, 2009, 46, 176-187.	2.4	191

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145	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.	3.6	28
146	Connexin 43 hemichannels contribute to the propagation of apoptotic cell death in a rat C6 glioma cell model. <i>Cell Death and Differentiation</i> , 2009, 16, 151-163.	11.2	167
147	Connexin-related signaling in cell death: to live or let die?. <i>Cell Death and Differentiation</i> , 2009, 16, 524-536.	11.2	234
148	Gap junctional intercellular communication as a target for liver toxicity and carcinogenicity. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2009, 44, 201-222.	5.2	57
149	A novel method for the evaluation of intestinal transit and contractility in mice using fluorescence imaging and spatiotemporal motility mapping. <i>Neurogastroenterology and Motility</i> , 2008, 20, 700-707.	3.0	19
150	In Situ Bipolar Electroporation for Localized Cell Loading with Reporter Dyes and Investigating Gap Junctional Coupling. <i>Biophysical Journal</i> , 2008, 94, 469-479.	0.5	31
151	Rapamycin prevents mesenteric neoangiogenesis and reduces splanchnic blood flow in portal hypertensive mice. <i>Hepatology Research</i> , 2008, 38, 1130-1139.	3.4	14
152	Connexin Hemichannels and Gap Junction Channels Are Differentially Influenced by Lipopolysaccharide and Basic Fibroblast Growth Factor. <i>Molecular Biology of the Cell</i> , 2007, 18, 34-46.	2.1	172
153	Mimetic Peptides as Blockers of Connexin Channel-Facilitated Intercellular Communication. <i>Cell Communication and Adhesion</i> , 2007, 14, 265-273.	1.0	131
154	Calcium Dynamics: Spatio-Temporal Organization from the Subcellular to the Organ Level. <i>International Review of Cytology</i> , 2007, 261, 193-245.	6.2	104
155	Neurobarrier coupling in the brain: Adjusting glucose entry with demand. <i>Journal of Neuroscience Research</i> , 2007, 85, 3213-3220.	2.9	45
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