

# Luc Leybaert

## List of Publications by Year in descending order

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Version: 2024-02-01

203  
papers

12,135  
citations

22132

59  
h-index

32815

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.	13.1	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.	1.2	7
3	Intercellular Communication in the Heart: Therapeutic Opportunities for Cardiac Ischemia. <i>Trends in Molecular Medicine</i> , 2021, 27, 248-262.	3.5	45
4	RyR2 regulates Cx43 hemichannel intracellular Ca <sup>2+</sup> -dependent activation in cardiomyocytes. <i>Cardiovascular Research</i> , 2021, 117, 123-136.	1.8	31
5	Calcium   Intercellular Ca <sup>2+</sup> 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.	2.4	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.	1.5	9
8	X-ray irradiation induces acute and early term inflammatory responses in atherosclerosis-prone ApoE <sup>-/-</sup> mice and in endothelial cells. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	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.	2.5	25
10	Cx43 hemichannel microdomain signaling at the intercalated disc enhances cardiac excitability. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	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.	1.6	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.	0.9	4
13	Vitrification negatively affects the Ca <sup>2+</sup> -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.	1.1	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.	1.8	8
15	Astrocytic Connexin43 Channels as Candidate Targets in Epilepsy Treatment. <i>Biomolecules</i> , 2020, 10, 1578.	1.8	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.	1.3	11
17	Cx43 channels and signaling via IP <sub>3</sub> /Ca <sup>2+</sup> , 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.	2.7	34
18	Connexin43 Hemichannel Targeting With TAT-Gap19 Alleviates Radiation-Induced Endothelial Cell Damage. <i>Frontiers in Pharmacology</i> , 2020, 11, 212.	1.6	27

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19	Christian Giaume (November 1951–July 2019). <i>Glia</i> , 2020, 68, 1321-1328.	2.5	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.	1.1	1
21	Glucocorticoid receptor in astrocytes regulates midbrain dopamine neurodegeneration through connexin hemichannel activity. <i>Cell Death and Differentiation</i> , 2019, 26, 580-596.	5.0	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.	1.1	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.	0.4	2
24	Single and fractionated ionizing radiation induce alterations in endothelial connexin expression and channel function. <i>Scientific Reports</i> , 2019, 9, 4643.	1.6	26
25	Targeting MAPK phosphorylation of Connexin43 provides neuroprotection in stroke. <i>Journal of Experimental Medicine</i> , 2019, 216, 916-935.	4.2	50
26	Blocking connexin43 hemichannels protects mice against tumour necrosis factor-induced inflammatory shock. <i>Scientific Reports</i> , 2019, 9, 16623.	1.6	24
27	Connexins and pannexins in Alzheimer's disease. <i>Neuroscience Letters</i> , 2019, 695, 100-105.	1.0	28
28	Connexin hemichannels and cell death as measures of bovine COC vitrification success. <i>Reproduction</i> , 2019, 157, 87-99.	1.1	12
29	Inhibition of astroglial connexin43 hemichannels with TAT-Gap19 exerts anticonvulsant effects in rodents. <i>Glia</i> , 2018, 66, 1788-1804.	2.5	50
30	Noninvasive Whole-Body Imaging of Phosphatidylethanolamine as a Cell Death Marker Using <sup>99m</sup> Tc-Duramycin During TNF-Induced SIRS. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1140-1145.	2.8	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.	2.4	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.	0.4	34
33	Single Ca <sup>2+</sup> transients vs oscillatory Ca <sup>2+</sup> signaling for assisted oocyte activation: limitations and benefits. <i>Reproduction</i> , 2018, 155, R105-R119.	1.1	31
34	Therapeutic Targeting of Connexin Channels: New Views and Challenges. <i>Trends in Molecular Medicine</i> , 2018, 24, 1036-1053.	3.5	71
35	Species-dependent extracranial manifestations of a brain seeking breast cancer cell line. <i>PLoS ONE</i> , 2018, 13, e0208340.	1.1	7
36	Blocking connexin channels during vitrification of immature cat oocytes improves maturation capacity after warming. <i>Theriogenology</i> , 2018, 122, 144-149.	0.9	14

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37	Culture conditions affect Ca <sup>2+</sup> release in artificially activated mouse and human oocytes. <i>Reproduction, Fertility and Development</i> , 2018, 30, 991.	0.1	12
38	Calcium, a pivotal player in photodynamic therapy?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1805-1814.	1.9	15
39	TAT-Gap19 and Carbenoxolone Alleviate Liver Fibrosis in Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 817.	1.8	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.	1.9	48
41	Blocking connexin channels improves embryo development of vitrified bovine blastocysts. <i>Biology of Reproduction</i> , 2017, 96, 288-301.	1.2	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.	2.5	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.	1.1	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.	2.1	28
45	Necroptotic cell death in anti-cancer therapy. <i>Immunological Reviews</i> , 2017, 280, 207-219.	2.8	126
46	Inhibition of connexin hemichannels alleviates non-alcoholic steatohepatitis in mice. <i>Scientific Reports</i> , 2017, 7, 8268.	1.6	33
47	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. <i>Pharmacological Reviews</i> , 2017, 69, 396-478.	7.1	191
48	Inhibition of connexin hemichannels alleviates non-alcoholic steatohepatitis in mouse. <i>Journal of Hepatology</i> , 2017, 66, S432.	1.8	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.	1.7	87
50	Connexin Channels at the Glio-Vascular Interface: Gatekeepers of the Brain. <i>Neurochemical Research</i> , 2017, 42, 2519-2536.	1.6	38
51	Connexin hemichannel inhibition reduces acetaminophen-induced liver injury in mice. <i>Toxicology Letters</i> , 2017, 278, 30-37.	0.4	31
52	Pannexin1 as mediator of inflammation and cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 51-61.	1.9	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.	1.8	37
54	Connexin-Dependent Neuroglial Networking as a New Therapeutic Target. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 174.	1.8	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.	1.8	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.	0.4	3
57	Into rather unexplored terrain—transcellular transport across the blood—brain barrier. <i>Glia</i> , 2016, 64, 1097-1123.	2.5	118
58	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , 2016, 15, 274-287.	2.9	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.	1.0	5
60	Connexins and their channels in inflammation. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 413-439.	2.3	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.	1.6	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.	1.6	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.	1.4	32
65	Flash Photolysis of Caged IP $3$ to Trigger Intercellular $Ca^{2+}$ Waves. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot076570.	0.2	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.	0.2	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.	2.4	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.	0.2	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.	1.6	108
72	Fluoxetine suppresses calcium signaling in human T lymphocytes through depletion of intracellular calcium stores. <i>Cell Calcium</i> , 2015, 58, 254-263.	1.1	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. <i>Nuclear Medicine and Biology</i> , 2015, 42, 38-45.	0.3	30
74	The connexin43 mimetic peptide Gap19 inhibits hemichannels without altering gap junctional communication in astrocytes. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 306.	1.8	151
75	A Novel Design for Steerable Instruments Based on Laser-Cut Nitinol. <i>Surgical Innovation</i> , 2014, 21, 303-311.	0.4	14
76	Efficacy of Products to Remove Eggs of <i>Pediculus humanus capitis</i> (Phthiraptera: Pediculidae) From the Human Hair. <i>Journal of Medical Entomology</i> , 2014, 51, 400-407.	0.9	12
77	Connexin and pannexin (hemi)channels in the liver. <i>Frontiers in Physiology</i> , 2014, 4, 405.	1.3	45
78	Cx43-hemichannel function and regulation in physiology and pathophysiology: insights from the bovine corneal endothelial cell system and beyond. <i>Frontiers in Physiology</i> , 2014, 5, 348.	1.3	32
79	A new angle on blood-brain interfaces: A role for connexins?. <i>FEBS Letters</i> , 2014, 588, 1259-1270.	1.3	72
80	The dual face of connexin-based astroglial Ca <sup>2+</sup> communication: A key player in brain physiology and a prime target in pathology. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2211-2232.	1.9	74
81	MRI-guided 3D conformal arc micro-irradiation of a F98 glioblastoma rat model using the Small Animal Radiation Research Platform (SARRP). <i>Journal of Neuro-Oncology</i> , 2014, 120, 257-266.	1.4	32
82	Dysautonomia and its underlying mechanisms in the hypermobility type of Ehlers-Danlos syndrome. <i>Seminars in Arthritis and Rheumatism</i> , 2014, 44, 93-100.	1.6	116
83	Hunting for connexin hemichannels. <i>FEBS Letters</i> , 2014, 588, 1205-1211.	1.3	153
84	Bcl-2 binds to and inhibits ryanodine receptors. <i>Journal of Cell Science</i> , 2014, 127, 2782-92.	1.2	55
85	Opening of pannexin- and connexin-based channels increases the excitability of nodose ganglion sensory neurons. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 158.	1.8	38
86	Proteomic and metabolomic responses to connexin43 silencing in primary hepatocyte cultures. <i>Archives of Toxicology</i> , 2013, 87, 883-894.	1.9	12
87	Endothelial calcium dynamics, connexin channels and blood-brain barrier function. <i>Progress in Neurobiology</i> , 2013, 108, 1-20.	2.8	141
88	Regulation of connexin- and pannexin-based channels by post-translational modifications. <i>Biology of the Cell</i> , 2013, 105, 373-398.	0.7	57
89	Inhibiting Connexin Channels Protects Against Cryopreservation-induced Cell Death in Human Blood Vessels. <i>European Journal of Vascular and Endovascular Surgery</i> , 2013, 45, 382-390.	0.8	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. <i>Biochemical and Biophysical Research Communications</i> , 2013, 432, 707-712.	1.0	22

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91	IP3, a small molecule with a powerful message. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1772-1786.	1.9	49
92	Connexin targeting peptides as inhibitors of voltage- and intracellular Ca <sup>2+</sup> -triggered Cx43 hemichannel opening. <i>Neuropharmacology</i> , 2013, 75, 506-516.	2.0	108
93	Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , 2013, 108, 309.	2.5	216
94	Peptides and peptide-derived molecules targeting the intracellular domains of Cx43: Gap junctions versus hemichannels. <i>Neuropharmacology</i> , 2013, 75, 491-505.	2.0	78
95	Paracrine signaling through plasma membrane hemichannels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 35-50.	1.4	177
96	TNF/TNF-R1 pathway is involved in doxorubicin-induced acute sterile inflammation. <i>Cell Death and Disease</i> , 2013, 4, e961-e961.	2.7	16
97	Diagnostic and prognostic value of calcium oscillatory pattern analysis for patients with ICSI fertilization failure. <i>Human Reproduction</i> , 2013, 28, 87-98.	0.4	77
98	Connexin 43 impacts on mitochondrial potassium uptake. <i>Frontiers in Pharmacology</i> , 2013, 4, 73.	1.6	55
99	Connexin and pannexin hemichannels in brain glial cells: properties, pharmacology, and roles. <i>Frontiers in Pharmacology</i> , 2013, 4, 88.	1.6	190
100	Neurological manifestations of oculodentodigital dysplasia: a Cx43 channelopathy of the central nervous system?. <i>Frontiers in Pharmacology</i> , 2013, 4, 120.	1.6	57
101	Alpha-Helical Destabilization of the Bcl-2-BH4-Domain Peptide Abolishes Its Ability to Inhibit the IP3 Receptor. <i>PLoS ONE</i> , 2013, 8, e73386.	1.1	27
102	Intercellular Ca <sup>2+</sup> Waves: Mechanisms of Initiation and Propagation. , 2013, , 613-618.		0
103	Abstract B42: The regulation of the ER-mitochondria-Ca <sup>2+</sup> 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. <i>Cell Death and Differentiation</i> , 2012, 19, 947-957.	5.0	49
105	Connexin 43 Hemichannels Contribute to Cytoplasmic Ca <sup>2+</sup> Oscillations by Providing a Bimodal Ca <sup>2+</sup> -dependent Ca <sup>2+</sup> Entry Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 12250-12266.	1.6	105
106	Selective regulation of IP3-receptor-mediated Ca <sup>2+</sup> signaling and apoptosis by the BH4 domain of Bcl-2 versus Bcl-Xl. <i>Cell Death and Differentiation</i> , 2012, 19, 295-309.	5.0	160
107	Connexin43 Signaling Contributes to Spontaneous Apoptosis in Cultures of Primary Hepatocytes. <i>Toxicological Sciences</i> , 2012, 125, 175-186.	1.4	41
108	Non-channel functions of connexins in cell growth and cell death. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2002-2008.	1.4	90

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109	Low extracellular Ca <sup>2+</sup> conditions induce an increase in brain endothelial permeability that involves intercellular Ca <sup>2+</sup> waves. <i>Brain Research</i> , 2012, 1487, 78-87.	1.1	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.	3.1	96
111	Connexin mimetic peptides inhibit Cx43 hemichannel opening triggered by voltage and intracellular Ca <sup>2+</sup> elevation. <i>Basic Research in Cardiology</i> , 2012, 107, 304.	2.5	132
112	Manipulating Connexin Communication Channels: Use of Peptidomimetics and the Translational Outputs. <i>Journal of Membrane Biology</i> , 2012, 245, 437-449.	1.0	83
113	Pannexin 1 Ohnologs in the Teleost Lineage. <i>Journal of Membrane Biology</i> , 2012, 245, 483-493.	1.0	23
114	RhoA GTPase Switch Controls Cx43-Hemichannel Activity through the Contractile System. <i>PLoS ONE</i> , 2012, 7, e42074.	1.1	24
115	Intercellular Ca <sup>2+</sup> Waves: Mechanisms and Function. <i>Physiological Reviews</i> , 2012, 92, 1359-1392.	13.1	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.	1.9	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.	0.2	211
118	Influence of methanandamide and CGRP on potassium currents in smooth muscle cells of small mesenteric arteries. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 669-677.	1.3	19
119	The contractile system as a negative regulator of the connexin 43 hemichannel. <i>Biology of the Cell</i> , 2012, 104, 367-377.	0.7	33
120	Unraveling the mechanism of L- <sup>2</sup> -N-oxalyl-L- <sup>2</sup> -diaminopropionic acid (L- <sup>2</sup> -ODAP) induced excitotoxicity and oxidative stress, relevance for neurodegeneration prevention. <i>Food and Chemical Toxicology</i> , 2011, 49, 550-555.	1.8	30
121	L- <sup>2</sup> -N-oxalyl-L- <sup>2</sup> -diaminopropionic acid toxicity in motor neurons. <i>NeuroReport</i> , 2011, 22, 131-135.	0.6	7
122	Pharmacological modulation of connexin-formed channels in cardiac pathophysiology. <i>British Journal of Pharmacology</i> , 2011, 163, 469-483.	2.7	75
123	Engaging neuroscience to advance translational research in brain barrier biology. <i>Nature Reviews Neuroscience</i> , 2011, 12, 169-182.	4.9	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.	3.5	98
125	Connexins: sensors and regulators of cell cycling. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011, 1815, 13-25.	3.3	52
126	Calcium and connexin-based intercellular communication, a deadly catch?. <i>Cell Calcium</i> , 2011, 50, 310-321.	1.1	64



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127	Pannexin channels in ATP release and beyond: An unexpected rendezvous at the endoplasmic reticulum. <i>Cellular Signalling</i> , 2011, 23, 305-316.	1.7	93
128	Connexin Channels Provide a Target to Manipulate Brain Endothelial Calcium Dynamics and Blood-Brain Barrier Permeability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1942-1957.	2.4	135
129	Characterization of spontaneous cell death in monolayer cultures of primary hepatocytes. <i>Archives of Toxicology</i> , 2011, 85, 1589-1596.	1.9	20
130	Galactose modified iNKT cell agonists stabilised by a novel structural modification of CD1d lead to marked Th1 polarisation in vivo. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, A53-A53.	0.5	0
131	Absence of haemodynamic refractory effects in patients with migraine without aura – an interictal fMRI study. <i>Cephalalgia</i> , 2011, 31, 1220-1231.	1.8	14
132	Connexin32 hemichannels contribute to the apoptotic-to-necrotic transition during Fas-mediated hepatocyte cell death. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 907-918.	2.4	31
133	Î²-ODAP alters mitochondrial Ca <sup>2+</sup> handling as an early event in excitotoxicity. <i>Cell Calcium</i> , 2010, 47, 287-296.	1.1	19
134	Intramolecular loop/tail interactions are essential for connexin 43 hemichannel activity. <i>FASEB Journal</i> , 2010, 24, 4378-4395.	0.2	142
135	DNA methyltransferase 3a expression decreases during apoptosis in primary cultures of hepatocytes. <i>Toxicology in Vitro</i> , 2010, 24, 445-451.	1.1	13
136	Oscillatory Ca <sup>2+</sup> dynamics and cell cycle resumption at fertilization in mammals: a modelling approach. <i>International Journal of Developmental Biology</i> , 2010, 54, 655-665.	0.3	21
137	Biochemical Characterisation of an In Vitro Model of Hepatocellular Apoptotic Cell Death. <i>ATLA Alternatives To Laboratory Animals</i> , 2009, 37, 209-218.	0.7	11
138	Reduced amounts and abnormal forms of phospholipase C zeta (PLC $\zeta$ ) in spermatozoa from infertile men. <i>Human Reproduction</i> , 2009, 24, 2417-2428.	0.4	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. <i>Gut</i> , 2009, 58, 347-356.	6.1	107
140	Role of symmetric dimethylarginine in vascular damage by increasing ROS via store-operated calcium influx in monocytes. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 1429-1435.	0.4	124
141	Peroxisome Proliferator-Activated Receptor $\gamma$ Activation Alleviates Postoperative Ileus in Mice by Inhibition of Egr-1 Expression and Its Downstream Target Genes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 496-503.	1.3	22
142	Flow cytometric calcium flux assay: Evaluation of cytoplasmic calcium kinetics in whole blood leukocytes. <i>Journal of Immunological Methods</i> , 2009, 348, 74-82.	0.6	19
143	Epigenetic regulation of gap junctional intercellular communication: More than a way to keep cells quiet?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2009, 1795, 53-61.	3.3	29
144	Ca <sup>2+</sup> regulation of connexin 43 hemichannels in C6 glioma and glial cells. <i>Cell Calcium</i> , 2009, 46, 176-187.	1.1	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.	1.6	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.	5.0	167
147	Connexin-related signaling in cell death: to live or let die?. <i>Cell Death and Differentiation</i> , 2009, 16, 524-536.	5.0	234
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