

Elke Decrock

List of Publications by Year in descending order

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45
papers

3,039
citations

172457

29
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233421

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docs citations

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times ranked

3457
citing authors

#	ARTICLE	IF	CITATIONS
1	Xâ€irradiation induces acute and early term inflammatory responses in atherosclerosisâ€prone ApoEâ€ mice and in endothelial cells. <i>Molecular Medicine Reports</i> , 2021, 23, .	2.4	8
2	Cx43 channels and signaling via IP3/Ca2+, 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
3	Connexin43 Hemichannel Targeting With TAT-Gap19 Alleviates Radiation-Induced Endothelial Cell Damage. <i>Frontiers in Pharmacology</i> , 2020, 11, 212.	3.5	27
4	Single and fractionated ionizing radiation induce alterations in endothelial connexin expression and channel function. <i>Scientific Reports</i> , 2019, 9, 4643.	3.3	26
5	Blocking connexin43 hemichannels protects mice against tumour necrosis factor-induced inflammatory shock. <i>Scientific Reports</i> , 2019, 9, 16623.	3.3	24
6	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
7	Species-dependent extracranial manifestations of a brain seeking breast cancer cell line. <i>PLoS ONE</i> , 2018, 13, e0208340.	2.5	7
8	Calcium, a pivotal player in photodynamic therapy?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1805-1814.	4.1	15
9	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
10	Blocking connexin channels improves embryo development of vitrified bovine blastocystsâ€. <i>Biology of Reproduction</i> , 2017, 96, 288-301.	2.7	14
11	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
12	Inhibition of connexin hemichannels alleviates non-alcoholic steatohepatitis in mice. <i>Scientific Reports</i> , 2017, 7, 8268.	3.3	33
13	Connexin hemichannel inhibition reduces acetaminophen-induced liver injury in mice. <i>Toxicology Letters</i> , 2017, 278, 30-37.	0.8	31
14	Pannexin1 as mediator of inflammation and cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 51-61.	4.1	85
15	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
16	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
17	Into rather unexplored terrainâ€transcellular transport across the bloodâ€brain barrier. <i>Glia</i> , 2016, 64, 1097-1123.	4.9	118
18	Connexins and their channels in inflammation. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 413-439.	5.2	93

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19	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
20	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
21	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
22	Structure, Regulation and Function of Gap Junctions in Liver. <i>Cell Communication and Adhesion</i> , 2015, 22, 29-37.	1.0	18
23	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
24	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
25	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
26	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
27	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.	0.6	30
28	Connexin and pannexin (hemi)channels in the liver. <i>Frontiers in Physiology</i> , 2014, 4, 405.	2.8	45
29	A new angle on blood-brain interfaces: A role for connexins?. <i>FEBS Letters</i> , 2014, 588, 1259-1270.	2.8	72
30	The dual face of connexin-based astroglial Ca ²⁺ 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.	4.1	74
31	Bcl-2 binds to and inhibits ryanodine receptors. <i>Journal of Cell Science</i> , 2014, 127, 2782-92.	2.0	55
32	Endothelial calcium dynamics, connexin channels and blood-brain barrier function. <i>Progress in Neurobiology</i> , 2013, 108, 1-20.	5.7	141
33	IP3, a small molecule with a powerful message. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1772-1786.	4.1	49
34	Connexin targeting peptides as inhibitors of voltage- and intracellular Ca ²⁺ -triggered Cx43 hemichannel opening. <i>Neuropharmacology</i> , 2013, 75, 506-516.	4.1	108
35	Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , 2013, 108, 309.	5.9	216
36	Paracrine signaling through plasma membrane hemichannels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 35-50.	2.6	177

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37	Connexin 43 Hemichannels Contribute to Cytoplasmic Ca ²⁺ Oscillations by Providing a Bimodal Ca ²⁺ -dependent Ca ²⁺ Entry Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 12250-12266.	3.4	105
38	Non-channel functions of connexins in cell growth and cell death. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2002-2008.	2.6	90
39	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
40	Calcium and connexin-based intercellular communication, a deadly catch?. <i>Cell Calcium</i> , 2011, 50, 310-321.	2.4	64
41	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.	4.3	135
42	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.	5.4	31
43	Ca ²⁺ regulation of connexin 43 hemichannels in C6 glioma and glial cells. <i>Cell Calcium</i> , 2009, 46, 176-187.	2.4	191
44	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
45	Intracellular calcium changes trigger connexin 32 hemichannel opening. <i>EMBO Journal</i> , 2006, 25, 34-44.	7.8	250