

# CITATION REPORT

List of articles citing

Connexin 43 is an emerging therapeutic target in ischemia/reperfusion injury, cardioprotection and neuroprotection

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#	Paper	IF	Citations
181	Intracellular Cleavage of the Cx43 C-Terminal Domain by Matrix-Metalloproteases: A Novel Contributor to Inflammation?. <b>2015</b> , 2015, 257471		22
180	Role of connexin 43 in cardiovascular diseases. <b>2015</b> , 768, 71-6		83
179	The Role of Mitochondrial Functional Proteins in ROS Production in Ischemic Heart Diseases. <b>2016</b> , 2016, 5470457		37
178	Ischemia and Reperfusion. <b>2016</b> , 223-245		
177	Cardiomyocytes –Active Players in Cardiac Disease. <b>2016</b> ,		2
176	The "tail" of Connexin43: An unexpected journey from alternative translation to trafficking. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 1848-56	4.9	18
175	The role of glycine in regulated cell death. <b>2016</b> , 73, 2285-308		46
174	Effect and mechanism of Irbesartan on occurrence of ventricular arrhythmias in rats with myocardial ischemia through connexin43 (cx43). <b>2016</b> , 9, 1007-1012		6
173	Chatty Cells: Not Cardiac Regeneration, But Segregation for Rhythm–Preservation?. <b>2016</b> , 2, 583-586		
172	The anti-metastatic micro-environment of the bone: Importance of osteocyte Cx43 hemichannels. <b>2016</b> , 1866, 121-7		4
171	Effect of Carbenoxolone on Arrhythmogenesis in Rat Ventricular Muscle. <b>2016</b> , 80, 76-84		2
170	From basic mechanisms to clinical applications in heart protection, new players in cardiovascular diseases and cardiac theranostics: meeting report from the third international symposium on "New frontiers in cardiovascular research". <i>Basic Research in Cardiology</i> , <b>2016</b> , 111, 69	11.8	36
169	Next-Generation Connexin and Pannexin Cell Biology. <b>2016</b> , 26, 944-955		79
168	The pathophysiology of acute myocardial infarction and strategies of protection beyond reperfusion: a continual challenge. <b>2017</b> , 38, 774-784		312
167	Expression and role of connexin-based gap junctions in pulmonary inflammatory diseases. <i>Pharmacology &amp; Therapeutics</i> , <b>2016</b> , 164, 105-19	13.9	18
166	Connexin 43 and CaV1.2 Ion Channel Trafficking in Healthy and Diseased Myocardium. <b>2016</b> , 9, e001357		19
165	Moderate intensity exercise prevents diabetic cardiomyopathy associated contractile dysfunction through restoration of mitochondrial function and connexin 43 levels in db/db mice. <b>2016</b> , 92, 163-173		52

164	Involvement of Connexin40 in the Protective Effects of Ginsenoside Rb1 Against Traumatic Brain Injury. <b>2016</b> , 36, 1057-65		14
163	Mitochondrial potassium homeostasis: a central player in cardioprotection. <i>Cardiovascular Research</i> , <b>2016</b> , 110, 4-5	9.9	10
162	ZO-1 expression shows prognostic value in chronic B cell leukemia. <b>2016</b> , 221, 6-11		2
161	Protective effects of Tongxinluo on cerebral ischemia/reperfusion injury related to Connexin 43/Calpain II/Bax/Caspase-3 pathway in rat. <i>Journal of Ethnopharmacology</i> , <b>2017</b> , 198, 148-157	5	19
160	Inhibition of Cx43 mediates protective effects on hypoxic/reoxygenated human neuroblastoma cells. <b>2017</b> , 21, 2563-2572		19
159	Regulation of cardiac gap junctions by protein phosphatases. <b>2017</b> , 107, 52-57		17
158	Connexin 43: Key roles in the skin. <b>2017</b> , 6, 605-611		16
157	Mitochondrial Cx43 hemichannels contribute to mitochondrial calcium entry and cell death in the heart. <i>Basic Research in Cardiology</i> , <b>2017</b> , 112, 27	11.8	76
156	The gap junction modifier ZP1609 decreases cardiomyocyte hypercontracture following ischaemia/reperfusion independent from mitochondrial connexin 43. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 2060-2073	8.6	23
155	Involvement of autophagy in connexin 40 reduction in the late phase of traumatic brain injury in rats. <b>2017</b> , 131, 100-106		10
154	Correlation between connexin and traumatic brain injury in patients. <b>2017</b> , 7, e00770		4
153	Protective Effects of Carotenoids in Cardiovascular Disease and Diabetes. <b>2017</b> , 347-385		4
152	Progesterone Via its Type-A Receptor Promotes Myometrial Gap Junction Coupling. <i>Scientific Reports</i> , <b>2017</b> , 7, 13357	4.9	24
151	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. <b>2017</b> , 69, 396-478		134
150	Inhibition of glial hemichannels by boldine treatment reduces neuronal suffering in a murine model of Alzheimer's disease. <b>2017</b> , 65, 1607-1625		49
149	Connexin hemichannel blockade improves survival of striatal GABA-ergic neurons after global cerebral ischaemia in term-equivalent fetal sheep. <i>Scientific Reports</i> , <b>2017</b> , 7, 6304	4.9	13
148	ZP1609/danegaptide and mitochondrial connexin hemichannels: a harbinger for peptide drug design. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 2606-2607	8.6	2
147	Novel Functional Role of Heat Shock Protein 90 in Mitochondrial Connexin 43-Mediated Hypoxic Postconditioning. <b>2017</b> , 44, 982-997		18

146	Transfer of mitochondria after stroke: a new hope for cardioprotection coming from the brain?. <i>Cardiovascular Research</i> , <b>2017</b> , 113, e10-e11	9.9	
145	Tumor-targeted nanotherapeutics: overcoming treatment barriers for glioblastoma. <b>2017</b> , 9, e1439		41
144	Connexins in the Central Nervous System: Physiological Traits and Neuroprotective Targets. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 1060	4.6	29
143	Inhibition by Commercial Aminoglycosides of Human Connexin Hemichannels Expressed in Bacteria. <b>2017</b> , 22,		9
142	Connexin43 Containing Gap Junction Channels Facilitate HIV Bystander Toxicity: Implications in NeuroHIV. <i>Frontiers in Molecular Neuroscience</i> , <b>2017</b> , 10, 404	6.1	12
141	Myocyte membrane and microdomain modifications in diabetes: determinants of ischemic tolerance and cardioprotection. <b>2017</b> , 16, 155		19
140	Connexin hemichannels mediate glutathione transport and protect lens fiber cells from oxidative stress. <b>2018</b> , 131,		29
139	A novel mechanism of depression: role for connexins. <b>2018</b> , 28, 483-498		14
138	Inhibition of Astrocyte Connexin 43 Channels Facilitates the Differentiation of Oligodendrocyte Precursor Cells Under Hypoxic Conditions In Vitro. <b>2018</b> , 64, 591-600		9
137	Significance of mitochondria on cardiometabolic syndromes. <b>2018</b> , 32, 346-356		9
136	Skeletal Extracellular Matrix Supports Cardiac Differentiation of Embryonic Stem Cells: a Potential Scaffold for Engineered Cardiac Tissue. <b>2018</b> , 45, 319-331		20
135	The SH3-binding domain of Cx43 participates in loop/tail interactions critical for Cx43-hemichannel activity. <b>2018</b> , 75, 2059-2073		19
134	Connexin 43 Hemichannel as a Novel Mediator of Sterile and Infectious Inflammatory Diseases. <i>Scientific Reports</i> , <b>2018</b> , 8, 166	4.9	32
133	Roles of astrocytic connexin-43, hemichannels, and gap junctions in oxygen-glucose deprivation/reperfusion injury induced neuroinflammation and the possible regulatory mechanisms of salvianolic acid B and carbenoxolone. <b>2018</b> , 15, 97		51
132	Spatio-temporal regulation of connexin43 phosphorylation and gap junction dynamics. <b>2018</b> , 1860, 83-90		72
131	Mitochondrial Cx43, an important component of cardiac preconditioning. <b>2018</b> , 1860, 174-181		33
130	Intracellular trafficking pathways of Cx43 gap junction channels. <b>2018</b> , 1860, 40-47		55
129	JAK2/STAT3 pathway is involved in the protective effects of epidermal growth factor receptor activation against cerebral ischemia/reperfusion injury in rats. <b>2018</b> , 662, 219-226		33

128	Association of Cx43 rs2071166 polymorphism with an increased risk for atrial septal defect. <b>2018</b> , 28, 397-402		1
127	Targeting Cx26 Expression by Sustained Release of Cx26 Antisense from Scaffolds Reduces Inflammation and Improves Wound Healing. <b>2018</b> , 2, 1800227		3
126	High Modulus Conductive Hydrogels Enhance In Vitro Maturation and Contractile Function of Primary Cardiomyocytes for Uses in Drug Screening. <b>2018</b> , 7, e1800990		13
125	Inhibition of Cx43 attenuates ERK1/2 activation, enhances the expression of Cav-1 and suppresses cell proliferation. <i>International Journal of Molecular Medicine</i> , <b>2018</b> , 42, 2811-2818	4.4	11
124	Inhibition of Connexin 43 Hemichannels Alleviates Cerebral Ischemia/Reperfusion Injury via the TLR4 Signaling Pathway. <b>2018</b> , 12, 372		21
123	The Protective Effect of Propofol Against Ischemia-Reperfusion Injury in the Interlobar Arteries: Reduction of Abnormal Cx43 Expression as a Possible Mechanism. <b>2018</b> , 43, 1607-1622		6
122	Hypoxic Preconditioning Maintains GLT-1 Against Transient Global Cerebral Ischemia Through Upregulating Cx43 and Inhibiting c-Src. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 344	6.1	9
121	Current Modalities and Mechanisms Underlying Cardioprotection by Ischemic Conditioning. <b>2018</b> , 11, 292-307		22
120	Cardioprotective signalling: Past, present and future. <b>2018</b> , 833, 314-319		31
119	Connexins and Nitric Oxide Inside and Outside Mitochondria: Significance for Cardiac Protection and Adaptation. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 479	4.6	8
118	Role of Non-Myocyte Gap Junctions and Connexin Hemichannels in Cardiovascular Health and Disease: Novel Therapeutic Targets?. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	34
117	Connexins: Synthesis, Post-Translational Modifications, and Trafficking in Health and Disease. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	51
116	Role of oligodendrocyte-neurovascular unit in white matter repair. <b>2018</b> , 684, 175-180		16
115	A connexin43/YAP axis regulates astroglial-mesenchymal transition in hemoglobin induced astrocyte activation. <b>2018</b> , 25, 1870-1884		21
114	Astrocyte Markers in the Tanycytes of the Third Brain Ventricle in Postnatal Development and Aging in Rats. <b>2019</b> , 50, 146-153		1
113	A human platform for the evaluation of pharmacology strategies in cardiac ischemia. <b>2019</b> , 3, 036103		5
112	A Simple Assay to Evaluate the Function of Human Connexin Hemichannels Expressed in Escherichia coli that Can Be Used for Drug Discovery and Mutant Analysis. <b>2019</b> , 87, e68		3
111	Connexin 43 dephosphorylation contributes to arrhythmias and cardiomyocyte apoptosis in ischemia/reperfusion hearts. <i>Basic Research in Cardiology</i> , <b>2019</b> , 114, 40	11.8	23

110	Gap Junction Dynamics Induces Localized Conductance Bistability in Cardiac Tissue. <b>2019</b> , 29, 1930021	1
109	Combination of HGF and IGF-1 promotes connexin 43 expression and improves ventricular arrhythmia after myocardial infarction through activating the MAPK/ERK and MAPK/p38 signaling pathways in a rat model. <b>2019</b> , 9, 346-354	13
108	HIF-1 $\beta$ s required for development of the sympathetic nervous system. <b>2019</b> , 116, 13414-13423	27
107	Gap Junction Channels of Innexins and Connexins: Relations and Computational Perspectives. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3 11
106	The role of connexin43 in neuropathic pain induced by spinal cord injury. <b>2019</b> , 51, 555-561	15
105	Identification of lncRNA and mRNA expression profiles in rat spinal cords at various time-points following cardiac ischemia/reperfusion. <i>International Journal of Molecular Medicine</i> , <b>2019</b> , 43, 2361-2375	4.4 10
104	Chronology of critical events in neonatal rat ventricular myocytes occurring during reperfusion after simulated ischemia. <i>PLoS ONE</i> , <b>2019</b> , 14, e0212076	3.7
103	Targeting MAPK phosphorylation of Connexin43 provides neuroprotection in stroke. <b>2019</b> , 216, 916-935	28
102	Evidence for the impact of BAG3 on electrophysiological activity of primary culture of neonatal cardiomyocytes. <b>2019</b> , 234, 18371-18381	5
101	Modulating cardiac conduction during metabolic ischemia with perfusate sodium and calcium in guinea pig hearts. <b>2019</b> , 316, H849-H861	14
100	Myocardial Adaptation in Pseudohypoxia: Signaling and Regulation of mPTP via Mitochondrial Connexin 43 and Cardiolipin. <i>Cells</i> , <b>2019</b> , 8,	7.9 7
99	Gap junctions in liver disease: Implications for pathogenesis and therapy. <b>2019</b> , 70, 759-772	15
98	TGF- $\beta$ promotes gap junctions formation in chondrocytes via Smad3/Smad4 signalling. <b>2019</b> , 52, e12544	22
97	Connexins and pannexins in Alzheimer's disease. <b>2019</b> , 695, 100-105	18
96	Neuroprotective potential of imatinib in global ischemia-reperfusion-induced cerebral injury: possible role of Janus-activated kinase 2/signal transducer and activator of transcription 3 and connexin 43. <b>2020</b> , 24, 11-18	5
95	Effects of Connexin 32-Mediated Lung Inflammation Resolution During Liver Ischemia Reperfusion. <b>2020</b> , 65, 2914-2924	3
94	NCX activity generates spontaneous Ca oscillations in the astrocytic leaflet microdomain. <b>2020</b> , 86, 102137	7
93	Chronic sigma-1 receptor activation ameliorates ventricular remodeling and decreases susceptibility to ventricular arrhythmias after myocardial infarction in rats. <b>2020</b> , 889, 173614	6

92	Amphiphilic aminoglycosides with increased selectivity for inhibition of connexin 43 (Cx43) hemichannels. <b>2020</b> , 203, 112602		6
91	Perioperative Dexmedetomidine attenuates brain ischemia reperfusion injury possibly via up-regulation of astrocyte Connexin 43. <b>2020</b> , 20, 299		3
90	Role of connexins in spinal cord injury: An update. <b>2020</b> , 197, 106102		1
89	Inhibition of Pyk2 and Src activity improves Cx43 gap junction intercellular communication. <b>2020</b> , 149, 27-40		6
88	Canonical and Non-Canonical Roles of Connexin43 in Cardioprotection. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
87	Synaptic Plasticity After Focal Cerebral Ischemia Was Attenuated by Gap26 but Enhanced by GAP-134. <b>2020</b> , 11, 888		6
86	Combined Effects of Electric Stimulation and Microgrooves in Cardiac Tissue-on-a-Chip for Drug Screening. <b>2020</b> , 4, 2000438		3
85	Dietary $\alpha$ -Linolenic Acid Counters Cardioprotective Dysfunction in Diabetic Mice: Unconventional PUFA Protection. <b>2020</b> , 12,		6
84	Connexin Hemichannel Mimetic Peptide Attenuates Cortical Interneuron Loss and Perineuronal Net Disruption Following Cerebral Ischemia in Near-Term Fetal Sheep. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
83	Mitochondrial ion channels as targets for cardioprotection. <b>2020</b> , 24, 7102-7114		27
82	The Multifaceted Role of Astrocyte Connexin 43 in Ischemic Stroke Through Forming Hemichannels and Gap Junctions. <b>2020</b> , 11, 703		10
81	Anti-Arrhythmic Effects of Linalool Cx43 Expression in a Rat Model of Myocardial Infarction. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 926	5.6	1
80	Inhibition of connexin 43 attenuates oxidative stress and apoptosis in human umbilical vein endothelial cells. <i>BMC Pulmonary Medicine</i> , <b>2020</b> , 20, 19	3.5	10
79	Cardioprotection in right heart failure. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 5413-5431	8.6	4
78	Connexin-43 reduction prevents muscle defects in a mouse model of manifesting Duchenne muscular dystrophy female carriers. <i>Scientific Reports</i> , <b>2020</b> , 10, 5683	4.9	6
77	Cardiac remodeling and arrhythmogenesis are ameliorated by administration of Cx43 mimetic peptide Gap27 in heart failure rats. <i>Scientific Reports</i> , <b>2020</b> , 10, 6878	4.9	10
76	RyR2 regulates Cx43 hemichannel intracellular Ca <sup>2+</sup> -dependent activation in cardiomyocytes. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 123-136	9.9	13
75	Advances in the development of connexin hemichannel inhibitors selective toward Cx43. <i>Future Medicinal Chemistry</i> , <b>2021</b> , 13, 379-392	4.1	0

74	Mechanisms Underlying Connexin Hemichannel Activation in Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
73	Connexin 43 phosphorylation by casein kinase 1 is essential for the cardioprotection by ischemic preconditioning. <i>Basic Research in Cardiology</i> , <b>2021</b> , 116, 21	11.8	4
72	Melatonin and prolonged physical activity attenuated the detrimental effects of diabetic condition on murine cardiac tissue. <i>Tissue and Cell</i> , <b>2021</b> , 69, 101486	2.7	3
71	Blood transcriptome profiling as potential biomarkers of suboptimal health status: potential utility of novel biomarkers for predictive, preventive, and personalized medicine strategy. <i>EPMA Journal</i> , <b>2021</b> , 12, 103-115	8.8	5
70	Effects of Hypothermic Hypoxia/Reoxygenation Fibroblast Culture Medium Containing Sevoflurane on Cardiomyocytes. <i>Therapeutic Hypothermia and Temperature Management</i> , <b>2021</b> ,	1.3	
69	A role of connexin 43 on the drug-induced liver, kidney, and gastrointestinal tract toxicity with associated signaling pathways. <i>Life Sciences</i> , <b>2021</b> , 280, 119629	6.8	4
68	The Functions, Methods, and Mobility of Mitochondrial Transfer Between Cells. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 672781	5.3	9
67	Astroglial Connexins in Neurodegenerative Diseases. <i>Frontiers in Molecular Neuroscience</i> , <b>2021</b> , 14, 657564	6.4	3
66	Protective mitochondrial fission induced by stress responsive protein GJA1-20k.		2
65	Propofol Mediated Protection of the Brain From Ischemia/Reperfusion Injury Through the Regulation of Microglial Connexin 43. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 637233	5.7	1
64	Connexin hemichannel inhibitors with a focus on aminoglycosides. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2021</b> , 1867, 166115	6.9	3
63	USP9X deubiquitinates connexin43 to prevent high glucose-induced epithelial-to-mesenchymal transition in NRK-52E cells. <i>Biochemical Pharmacology</i> , <b>2021</b> , 188, 114562	6	3
62	Novel antidepressant mechanism of ginsenoside Rg1: Regulating biosynthesis and degradation of connexin43. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 278, 114212	5	2
61	The Cx43 Carboxyl-Terminal Mimetic Peptide ET1 Protects Endothelial Barrier Function in a ZO1 Binding-Competent Manner.		1
60	The Cx43 Carboxyl-Terminal Mimetic Peptide ET1 Protects Endothelial Barrier Function in a ZO1 Binding-Competent Manner. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
59	Remote limb ischaemic conditioning produces cardioprotection in rats with testicular ischaemia-reperfusion injury. <i>Experimental Physiology</i> , <b>2021</b> , 106, 2223-2234	2.4	1
58	Mechanisms of Connexin Regulating Peptides. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
57	Mesenchymal Stem/Stromal Cell Therapy in Blood-Brain Barrier Preservation Following Ischemia: Molecular Mechanisms and Prospects. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5



56	Serine-threonine protein phosphatase regulation of Cx43 dephosphorylation in arrhythmogenic disorders. <i>Cellular Signalling</i> , <b>2021</b> , 86, 110070	4.9	0
55	Over-activated hemichannels: A possible therapeutic target for human diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2021</b> , 1867, 166232	6.9	1
54	Alginate self-adhesive hydrogel combined with dental pulp stem cells and FGF21 repairs hemisection spinal cord injury via apoptosis and autophagy mechanisms. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 130827	14.7	6
53	Connexin 43 upregulation in burns promotes burn conversion through spread of apoptotic death signals. <i>Burns</i> , <b>2020</b> , 46, 1389-1397	2.3	1
52	Testing Danegaptide Effects on Kidney Function after Ischemia/Reperfusion Injury in a New Porcine Two Week Model. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164109	3.7	9
51	BM-MSC Transplantation Alleviates Intracerebral Hemorrhage-Induced Brain Injury, Promotes Astrocytes Vimentin Expression, and Enhances Astrocytes Antioxidation via the Cx43/Nrf2/HO-1 Axis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 302	5.7	8
50	Cardiac Connexin-43 Hemichannels and Pannexin1 Channels: Provocative Antiarrhythmic Targets. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 22,	6.3	11
49	Glia and hemichannels: key mediators of perinatal encephalopathy. <i>Neural Regeneration Research</i> , <b>2018</b> , 13, 181-189	4.5	15
48	Scutellarin protects oxygen/glucose-deprived astrocytes and reduces focal cerebral ischemic injury. <i>Neural Regeneration Research</i> , <b>2018</b> , 13, 1396-1407	4.5	24
47	White-matter repair: Interaction between oligodendrocytes and the neurovascular unit. <i>Brain Circulation</i> , <b>2018</b> , 4, 118-123	2.7	25
46	Mesenchymal stem cells seeded onto nanofiber scaffold for myocardial regeneration. <i>Biotechnic and Histochemistry</i> , <b>2021</b> , 1-12	1.8	2
45	Estrogen alleviates hepatocyte necroptosis depending on GPER in hepatic ischemia reperfusion injury. <i>Journal of Physiology and Biochemistry</i> , <b>2021</b> , 1	5	0
44	Protective mitochondrial fission induced by stress-responsive protein GJA1-20k. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
43	Expression of Connexin 43 in the Myocardium in Sudden Unexplained Nocturnal Death Syndrome. <i>Korean Journal of Legal Medicine</i> , <b>2016</b> , 40, 33	0.2	
42	Oxidative Stress and Nitrosative Stress. <b>2016</b> , 267-278		0
41	Involvement of amylin B-H2S-connexin 43 signaling pathway in vascular dysfunction and enhanced ischemia-reperfusion-induced myocardial injury in diabetic rats. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	0
40	Roles of Exosomes in Cardiac Fibroblast Activation and Fibrosis. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
39	Majonoside-R2 Postconditioning Protects Cardiomyocytes Against Hypoxia/Reoxygenation Injury by Attenuating the Expression of HIF1 and Activating RISK Pathway. <i>Journal of Medicinal Food</i> , <b>2021</b> , 24, 1222-1229	2.8	1

38	CAPE-pNO ameliorates diabetic brain injury through modulating Alzheimer's disease key proteins, oxidation, inflammation and autophagy via a Nrf2-dependent pathway. <i>Life Sciences</i> , <b>2021</b> , 287, 119929	6.8	1
37	Surface-Modified Nanodrug Carriers for Brain Cancer Treatment. <i>Neuromethods</i> , <b>2021</b> , 127-144	0.4	0
36	Effect of autophagy on cardiomyocyte membrane Cx43 acute remodeling in rats with ischemia-reperfusion. <i>International Journal of Clinical and Experimental Pathology</i> , <b>2019</b> , 12, 2639-2645	1.4	2
35	TGF- $\beta$ increases cell-cell communication in chondrocytes via p-Smad3 signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2021</b> , 1869, 119175	4.9	1
34	Protein phosphatase 2A in the healthy and failing heart: New insights and therapeutic opportunities.. <i>Cellular Signalling</i> , <b>2021</b> , 91, 110213	4.9	0
33	Connexin 43: insights into candidate pathological mechanisms of depression and its implications in antidepressant therapy.. <i>Acta Pharmacologica Sinica</i> , <b>2022</b> ,	8	2
32	Activating Connexin43 gap junctions primes adipose tissue for therapeutic intervention. <i>Acta Pharmaceutica Sinica B</i> , <b>2022</b> ,	15.5	0
31	GJA1-20k and Mitochondrial Dynamics.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 867358	4.6	0
30	Pre-transplantation of Bone Marrow Mesenchymal Stem Cells Amplifies the Therapeutic Effect of Ultrasound-Targeted Microbubble Destruction-Mediated Localized Combined Gene Therapy in Post-Myocardial Infarction Heart Failure Rats.. <i>Ultrasound in Medicine and Biology</i> , <b>2022</b> ,	3.5	1
29	Connexin 43 hyper-phosphorylation at serine 282 triggers apoptosis in rat cardiomyocytes via activation of mitochondrial apoptotic pathway.. <i>Acta Pharmacologica Sinica</i> , <b>2021</b> ,	8	0
28	Image_1.JPEG. <b>2020</b> ,		
27	Image_2.JPEG. <b>2020</b> ,		
26	Image_3.JPEG. <b>2020</b> ,		
25	Image_4.JPEG. <b>2020</b> ,		
24	Data_Sheet_1.doc. <b>2018</b> ,		
23	Data_Sheet_1.PDF. <b>2020</b> ,		
22	Image_1.TIF. <b>2020</b> ,		
21	Image_2.TIF. <b>2020</b> ,		

20	Image_3.TIF. <b>2020</b> ,		
19	Image_4.TIF. <b>2020</b> ,		
18	Connexins in endothelial cells as a therapeutic target for solid organ transplantation. <i>American Journal of Transplantation</i> ,	8.7	1
17	LRP6 Modulates the Phosphorylation of Cx43 via Gβ<sub>1</sub>s<sub>1</sub> in Ventricular Tachycardia of Myocardial Infarction. <i>SSRN Electronic Journal</i> ,	1	
16	Connexins and angiogenesis: Functional aspects, pathogenesis, and emerging therapies (Review). <i>International Journal of Molecular Medicine</i> , <b>2022</b> , 50,	4.4	
15	Connexin 43 overexpression induces lung cancer angiogenesis in vitro following phosphorylation at Ser279 in its C-terminus. <i>Oncology Letters</i> , <b>2022</b> , 24,	2.6	0
14	Connexin 43 in Mitochondria: What Do We Really Know About Its Function?. <i>Frontiers in Physiology</i> , 13,	4.6	3
13	Dapagliflozin Improves Diabetic Cardiomyopathy by Modulating the Akt/mTOR Signaling Pathway. <i>BioMed Research International</i> , <b>2022</b> , 2022, 1-10	3	0
12	Co-axial fibrous scaffolds integrating with carbon fiber promote cardiac tissue regeneration post myocardial infarction. <b>2022</b> , 16, 100415		1
11	Cardiac-specific overexpression of Claudin-5 exerts protection against myocardial ischemia and reperfusion injury. <b>2022</b> , 1868, 166535		0
10	Intercellular communication and aging. <b>2023</b> , 257-274		1
9	LRP6 Modulates the Phosphorylation of Cx43 Via Gβ<sub>1</sub>s<sub>1</sub> in Ventricular Tachycardia of Myocardial Infarction.		0
8	Amphiphilic aminoglycosides: Modifications that revive old natural product antibiotics. 13,		0
7	Contraction Band Necrosis with Dephosphorylated Connexin 43 in Rat Myocardium after Daily Cocaine Administration. <b>2022</b> , 23, 11978		0
6	Mitochondrial connexin43 and mitochondrial KATP channels modulate triggered arrhythmias in mouse ventricular muscle.		0
5	Qilong capsule alleviated MPTP-induced neuronal defects by inhibiting apoptosis, regulating autophagy in zebrafish embryo model.		0
4	Engineering a conduction-consistent cardiac patch with rGO/PLCL electrospun nanofibrous membranes and human iPSC-derived cardiomyocytes. 11,		0
3	LRP6-mediated phosphorylation of connexin43 in myocardial infarction. <b>2023</b> , 26, 106160		0

- 2 Mitochondria on the move: Horizontal mitochondrial transfer in disease and health. **2023**, 222, [DOI: 10.1016/j.mbs.2023.101001](#)
- 1 Downregulation of cardiac PIASy inhibits Cx43 SUMOylation and ameliorates ventricular arrhythmias in a rat model of myocardial ischemia/reperfusion injury. Publish Ahead of Print, [DOI: 10.1016/j.mbs.2023.101001](#)