Eric C Beyer

List of Publications by Year
in descending order

175 papers	15,280 citations	18436 62 h-index	18075 120 g-index
265 all docs	265 docs citations	265 times ranked	7061 citing authors

#	Article	IF	Citations
1	Connexin43: a protein from rat heart homologous to a gap junction protein from liver.. Journal of Cell Biology, 1987, 105, 2621-2629.	2.3	1,080
2	Plasma Membrane Channels Formed by Connexins: Their Regulation and Functions. Physiological Reviews, 2003, 83, 1359-1400.	13.1	1,045
3	Connexin family of gap junction proteins. Journal of Membrane Biology, 1990, 116, 187-194.	1.0	530
4	Antisera directed against connexin43 peptides react with a 43-kD protein localized to gap junctions in myocardium and other tissues.. Journal of Cell Biology, 1989, 108, 595-605.	2.3	505
5	Differential expression of three gap junction proteins in developing and mature brain tissues.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 10148-10152.	3.3	493
6	Dephosphorylation and Intracellular Redistribution of Ventricular Connexin43 During Electrical Uncoupling Induced by Ischemia. Circulation Research, 2000, 87, 656-662.	2.0	482
7	Rapid Turnover of Connexin43 in the Adult Rat Heart. Circulation Research, 1998, 83, 629-635.	2.0	401
8	Phosphorylation of connexin43 gap junction protein in uninfected and Rous sarcoma virus-transformed mammalian fibroblasts.. Molecular and Cellular Biology, 1990, 10, 1754-1763.	1.1	338
9	Expression of the gap junction protein connexin43 in embryonic chick lens: Molecular cloning, ultrastructural localization, and post-translational phosphorylation. Journal of Membrane Biology, 1990, 116, 163-175.	1.0	334
10	Formation of gap junctions by expression of connexins in Xenopus oocyte pairs. Cell, 1989, 57, 145-155.	13.5	321
11	Slow ventricular conduction in mice heterozygous for a connexin43 null mutation.. Journal of Clinical Investigation, 1997, 99, 1991-1998.	3.9	284
12	Cardiac myocytes express multiple gap junction proteins.. Circulation Research, 1992, 70, 438-444.	2.0	232
13	Degradation of Connexin43 Gap Junctions Involves both the Proteasome and the Lysosome. Experimental Cell Research, 1997, 236, 482-492.	1.2	228
14	Disparate Effects of Deficient Expression of Connexin43 on Atrial and Ventricular Conduction. Circulation, 1998, 97, 686-691.	1.6	228
15	Selectivity of Connexin-Specific Gap Junctions Does Not Correlate With Channel Conductance. Circulation Research, 1995, 77, 1156-1165.	2.0	227
16	The Gap Junction Protein Connexin43 Is Degraded via the Ubiquitin Proteasome Pathway. Journal of Biological Chemistry, 1995, 270, 26399-26403.	1.6	224
17	Oxidative Stress, Lens Gap Junctions, and Cataracts. Antioxidants and Redox Signaling, 2009, 11, 339-353.	2.5	219
18	Connexin43 mediates direct intercellular communication in human osteoblastic cell networks.. Journal of Clinical Investigation, 1993, 91, 1888-1896.	3.9	210

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19	Molecular cloning and functional expression of human connexin37, an endothelial cell gap junction protein.. Journal of Clinical Investigation, 1993, 91, 997-1004.	3.9	198
20	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. Pharmacological Reviews, 2017, 69, 396-478.	7.1	191
21	The extent of heterocellular communication mediated by gap junctions is predictive of bystander tumor cytotoxicity in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11071-11075.	3.3	188
22	Gap Junction Protein Phenotypes of the Human Heart and Conduction System. Journal of Cardiovascular Electrophysiology, 1995, 6, 813-822.	0.8	182
23	Multiple connexins confer distinct regulatory and conductance properties of gap junctions in developing heart.. Circulation Research, 1992, 71, 1277-1283.	2.0	178
24	Distinct gap junction protein phenotypes in cardiac tissues with disparate conduction properties. Journal of the American College of Cardiology, 1994, 24, 1124-1132.	1.2	173
25	Transfected connexin45 alters gap junction permeability in cells expressing endogenous connexin43.. Journal of Cell Biology, 1995, 130, 987-995.	2.3	160
26	Selective dye and ionic permeability of gap junction channels formed by connexin45.. Circulation Research, 1994, 75, 483-490.	2.0	158
27	Pathways for degradation of connexins and gap junctions. Cardiovascular Research, 2004, 62, 256-267.	1.8	158
28	Cloning and expression of a Xenopus embryonic gap junction protein. Science, 1989, 243, 1194-1195.	6.0	152
29	Connexin43 and Connexin45 Form Heteromeric Gap Junction Channels in Which Individual Components Determine Permeability and Regulation. Circulation Research, 2002, 90, 1100-1107.	2.0	151
30	Expression of Multiple Connexins in Cultured Neonatal Rat Ventricular Myocytes. Circulation Research, 1995, 76, 381-387.	2.0	145
31	Gap junction messenger RNA expression by vascular wall cells.. Circulation Research, 1990, 66, 1074-1080.	2.0	144
32	Functional and Structural Assessment of Intercellular Communication. Circulation Research, 1996, 79, 174-183.	2.0	140
33	Gap junction gene and protein families: Connexins, innexins, and pannexins. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 5-8.	1.4	138
34	Cardiac Gap Junction Channels Show Quantitative Differences in Selectivity. Circulation Research, 2002, 91, 104-111.	2.0	137
35	Distinct behavior of connexin56 and connexin46 gap junctional channels can be predicted from the behavior of their hemi-gap-junctional channels. Biophysical Journal, 1995, 68, 1796-1803.	0.2	128
36	Gap junction channels formed by coexpressed connexin40 and connexin43. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1675-H1689.	1.5	120

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37	Autophagy: a pathway that contributes to connexin degradation. Journal of Cell Science, 2011, 124, 910-920.	1.2	115
38	Differential Expression of Gap Junction Proteins in the Canine Sinus Node. Circulation Research, 1998, 82, 604-612.	2.0	113
39	Distinct patterns of connexin expression in canine Purkinje fibers and ventricular muscle.. Circulation Research, 1993, 72, 1124-1131.	2.0	112
40	The Molecular Basis of Anisotropy: Role of Gap Junctions. Journal of Cardiovascular Electrophysiology, 1995, 6, 498-510.	0.8	109
41	Heterotypic Docking of Cx43 and Cx45 Connexons Blocks Fast Voltage Gating of Cx43. Biophysical Journal, 2001, 81, 1406-1418.	0.2	108
42	Regulation of connexin43 expression and function by prostaglandin E2 (PGE2) and parathyroid hormone (PTH) in osteoblastic cells. Journal of Cellular Biochemistry, 1998, 68, 8-21.	1.2	107
43	Molecular cloning and expression of rat connexin40, a gap junction protein expressed in vascular smooth muscle. Journal of Membrane Biology, 1992, 127, 69-76.	1.0	104
44	Unique Conductance, Gating, and Selective Permeability Properties of Gap Junction Channels Formed by Connexin40. Circulation Research, 1995, 77, 813-822.	2.0	98
45	Quantitation of two endogenous lactose-inhibitable lectins in embryonic and adult chicken tissues.. Journal of Cell Biology, 1982, 92, 23-27.	2.3	93
46	Proteolysis of connexin43-containing gap junctions in normal and heat-stressed cardiac myocytes. Cardiovascular Research, 1998, 38, 711-718.	1.8	91
47	Transcriptional regulation of the murine promoter by cardiac factors Nkx2-5, GATA4 and Tbx5. Cardiovascular Research, 2004, 64, 402-411.	1.8	91
48	Connexin Mutants and Cataracts. Frontiers in Pharmacology, 2013, 4, 43.	1.6	90
49	Effects of angiotensin II on expression of the gap junction channel protein connexin43 in neonatal rat ventricular myocytes. Journal of the American College of Cardiology, 1998, 32, 800-807.	1.2	88
50	Localization of an endogenous lectin in chicken liver, intestine, and pancreas.. Journal of Cell Biology, 1979, 82, 565-571.	2.3	87
51	Loss of function and impaired degradation of a cataract-associated mutant connexin50. European Journal of Cell Biology, 2003, 82, 209-221.	1.6	87
52	Connexin46 mutations linked to congenital cataract show loss of gap junction channel function. American Journal of Physiology - Cell Physiology, 2000, 279, C596-C602.	2.1	86
53	In vivo modulation of connexin 43 gene expression and junctional coupling of pancreatic B-cells. Experimental Cell Research, 1991, 192, 469-480.	1.2	84
54	Connexin43 and connexin26 form gap junctions, but not heteromeric channels in co-expressing cells. Journal of Cell Science, 2004, 117, 2469-2480.	1.2	81

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55	A Mutant Connexin50 with Enhanced Hemichannel Function Leads to Cell Death. , 2009, 50, 5837.		77
56	Heterogeneous Localization of Connexin40 in the Renal Vasculature. Microvascular Research, 2000, 59, 140-148.	1.1	76
57	A novel GJA8 mutation is associated with autosomal dominant lamellar pulverulent cataract: further evidence for gap junction dysfunction in human cataract. Journal of Medical Genetics, 2005, 43, e2-e2.	1.5	75
58	Developmentally regulated lectins from chick muscle, brain, and liver have similar chemical and immunological properties. Developmental Biology, 1978, 64, 265-272.	0.9	74
59	Connexin hemichannels in the lens. Frontiers in Physiology, 2014, 5, 20.	1.3	74
60	Secretion of endogenous lectin by chicken intestinal goblet cells.. Journal of Cell Biology, 1982, 92, 28-33.	2.3	72
61	Amino terminal glutamate residues confer spermine sensitivity and affect voltage gating and channel conductance of rat connexin40 gap junctions. Journal of Physiology, 2004, 557, 863-878.	1.3	72
62	A novel connexin50 mutation associated with congenital nuclear pulverulent cataracts. Journal of Medical Genetics, 2007, 45, 155-160.	1.5	69
63	c-Jun N-terminal kinase activation contributes to reduced connexin43 and development of atrial arrhythmias. Cardiovascular Research, 2013, 97, 589-597.	1.8	64
64	Molecular Cloning of Two Human Cardiac Gap Junction Proteins, Connexin40 and Connexin45. Journal of Molecular and Cellular Cardiology, 1994, 26, 861-868.	0.9	62
65	An Aberrant Sequence in a Connexin46 Mutant Underlies Congenital Cataracts. Journal of Biological Chemistry, 2005, 280, 40788-40795.	1.6	62
66	Quantitative analysis of intercellular connections by immunohistochemistry of the cardiac gap junction protein connexin43.. Circulation Research, 1989, 65, 1450-1457.	2.0	60
67	Normal long-term survival with Î±-thalassemia. Journal of Pediatrics, 1986, 108, 716-718.	0.9	59
68	Co-Expression of Lens Fiber Connexins Modifies Hemi-Gap-Junctional Channel Behavior. Biophysical Journal, 1999, 76, 198-206.	0.2	58
69	Zygotic expression of the connexin43 gene supplies subunits for gap junction assembly during mouse preimplantation development. Molecular Reproduction and Development, 1991, 30, 18-26.	1.0	57
70	Connexin40 abnormalities and atrial fibrillation in the human heart. Journal of Molecular and Cellular Cardiology, 2014, 76, 159-168.	0.9	54
71	Gap Junction Protein Connexin43 Exacerbates Lung Vascular Permeability. PLoS ONE, 2014, 9, e100931.	1.1	53
72	Lectins from chicken tissues are mitogenic for Thy-1 negative murine spleen cells. Biochemical and Biophysical Research Communications, 1980, 97, 56-61.	1.0	52

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73	Distribution of gap junctions in dog and rat ventricle studied with a double-label technique. Journal of Molecular and Cellular Cardiology, 1992, 24, 1443-1457.	0.9	51
74	Gap junction proteins exhibit early and specific expression during intramembranous bone formation in the developing chick mandible. Anatomy and Embryology, 1994, 190, 231-41.	1.5	51
75	An intact connexin N-terminus is required for function but not gap junction formation. Journal of Cell Science, 2008, 121, 2744-2750.	1.2	50
76	Mouse Connexin40: Gene Structure and Promoter Analysis. Genomics, 1997, 46, 120-126.	1.3	49
77	Redistribution of connexin45 in gap junctions of connexin43-deficient hearts. Cardiovascular Research, 2002, 53, 921-935.	1.8	49
78	Expression of Zebrafish connexin43.4 in the Notochord and Tail Bud of Wild-Type and Mutant no tail Embryos. Developmental Biology, 1996, 177, 449-462.	0.9	48
79	The Gap-Junction Protein Connexin 56 is Phosphorylated in the Intracellular Loop and the Carboxy-Terminal Region. FEBS Journal, 1997, 244, 89-97.	0.2	46
80	Connexin43 increases the sensitivity of prostate cancer cells to TNFÎ±-induced apoptosis. Journal of Cell Science, 2007, 120, 320-329.	1.2	46
81	The Family of Connexin Genes. , 2009, , 3-26.		46
82	c-Src Kinase Inhibition Reduces Arrhythmia Inducibility and Connexin43 Dysregulation After Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 928-934.	1.2	45
83	Connexin40 and connexin43 determine gating properties of atrial gap junction channels. Journal of Molecular and Cellular Cardiology, 2010, 48, 238-245.	0.9	44
84	Cultured Chicken Embryo Lens Cells Resemble Differentiating Fiber Cells in vivo and Contain Two Kinetic Pools of Connexin56. Experimental Eye Research, 1999, 68, 475-484.	1.2	43
85	Heteromeric Mixing of Connexins: Compatibility of Partners and Functional Consequences. Cell Communication and Adhesion, 2001, 8, 199-204.	1.0	42
86	Expression of Multiple Gap Junction Proteins in Human Fetal and Infant Hearts. Pediatric Research, 1994, 36, 561-566.	1.1	41
87	N-terminal residues in Cx43 and Cx40 determine physiological properties of gap junction channels, but do not influence heteromeric assembly with each other or with Cx26. Journal of Cell Science, 2006, 119, 2258-2268.	1.2	41
88	Different consequences of cataract-associated mutations at adjacent positions in the first extracellular boundary of connexin50. American Journal of Physiology - Cell Physiology, 2011, 300, C1055-C1064.	2.1	39
89	Peptide inhibitors of intercellular communication. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L619-L622.	1.3	38
90	Heteromeric connexons formed by the lens connexins, connexin43 and connexin56. European Journal of Cell Biology, 2001, 80, 11-19.	1.6	37

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91	Adenoviral delivery of human connexin37 induces endothelial cell death through apoptosis. Biochemical and Biophysical Research Communications, 2004, 319, 1144-1151.	1.0	37
92	Expression patterns of mRNAs for the gap junction proteins connexin43 and connexin42 suggest their involvement in chick limb morphogenesis and specification of the arterial vasculature. Developmental Dynamics, 1994, 199, 156-167.	0.8	36
93	Functional Expression and Biophysical Properties of Polymorphic Variants of the Human Gap Junction Protein Connexin37. Biochemical and Biophysical Research Communications, 2000, 274, 216-224.	1.0	36
94	Dynamic model for ventricular junctional conductance during the cardiac action potential. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1113-H1123.	1.5	36
95	Connexin50D47A Decreases Levels of Fiber Cell Connexins and Impairs Lens Fiber Cell Differentiation. , 2013, 54, 7614.		36
96	Cardiac myocyte interconnections at gap junctions. Trends in Cardiovascular Medicine, 1992, 2, 56-60.	2.3	35
97	Polyvalent Cations Constitute the Voltage Gating Particle in Human Connexin37 Hemichannels. Journal of General Physiology, 2004, 124, 587-603.	0.9	35
98	Connexin and Gap Junction Degradation. Methods, 2000, 20, 180-187.	1.9	34
99	Localization and distribution of gap junctions in normal and cardiomyopathic hamster heart. Journal of Morphology, 1994, 222, 203-213.	0.6	33
100	Critical role of the first transmembrane domain of Cx26 in regulating oligomerization and function. Molecular Biology of the Cell, 2012, 23, 3299-3311.	0.9	33
101	An MIP/AQP0 mutation with impaired trafficking and function underlies an autosomal dominant congenital lamellar cataract. Experimental Eye Research, 2013, 110, 136-141.	1.2	33
102	Cx30.2 can form heteromeric gap junction channels with other cardiac connexins. Biochemical and Biophysical Research Communications, 2008, 369, 388-394.	1.0	32
103	Cataracts Are Caused by Alterations of a Critical N-Terminal Positive Charge in Connexin50. , 2008, 49, 2549.		32
104	Cytoplasmic Amino Acids within the Membrane Interface Region Influence Connexin Oligomerization. Journal of Membrane Biology, 2012, 245, 221-230.	1.0	31
105	Atomic Force Microscopy of Connexin40 Gap Junction Hemichannels Reveals Calcium-dependent Three-dimensional Molecular Topography and Open-Closed Conformations of Both the Extracellular and Cytoplasmic Faces. Journal of Biological Chemistry, 2011, 286, 22139-22146.	1.6	30
106	Roles and regulation of lens epithelial cell connexins. FEBS Letters, 2014, 588, 1297-1303.	1.3	30
107	The Cataract-linked Mutant Connexin50D47A Causes Endoplasmic Reticulum Stress in Mouse Lenses. Journal of Biological Chemistry, 2016, 291, 17569-17578.	1.6	30
108	Connexin Mutants Compromise the Lens Circulation and Cause Cataracts through Biomineralization. International Journal of Molecular Sciences, 2020, 21, 5822.	1.8	30

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109	Chicken tissue binding sites for a purified chicken lectin. Journal of Supramolecular Structure, 1980, 13, 219-227.	2.3	29
110	Transgenic overexpression of connexin50 induces cataracts. Experimental Eye Research, 2007, 84, 513-528.	1.2	29
111	Structural organization of intercellular channels II. Amino terminal domain of the connexins: sequence, functional roles, and structure. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1823-1830.	1.4	27
112	Rat uterine myometrium contains the gap junction protein connexin45, which has a differing temporal expression pattern from connexin43. American Journal of Obstetrics and Gynecology, 1996, 175, 853-858.	0.7	26
113	Gap junction structure: unraveled, but not fully revealed. F1000Research, 2017, 6, 568.	0.8	25
114	Degradation of a connexin40 mutant linked to atrial fibrillation is accelerated. Journal of Molecular and Cellular Cardiology, 2014, 74, 330-339.	0.9	24
115	Disruption of the lens circulation causes calcium accumulation and precipitates in connexin mutant mice. American Journal of Physiology - Cell Physiology, 2018, 314, C492-C503.	2.1	24
116	Mouse Connexin 45: Genomic Cloning and Exon Usage. DNA and Cell Biology, 2001, 20, 11-19.	0.9	23
117	The cytoplasmic accumulations of the cataract-associated mutant, Connexin50P88S, are long-lived and form in the endoplasmic reticulum. Experimental Eye Research, 2009, 88, 600-609.	1.2	23
118	Intermittent hypoxia causes NOX2-dependent remodeling of atrial connexins. BMC Cell Biology, 2017, 18, 7.	3.0	23
119	The N Terminus of Connexin37 Contains an Î±-Helix That Is Required for Channel Function. Journal of Biological Chemistry, 2009, 284, 20418-20427.	1.6	21
120	A Connexin50 Mutant, CX50fs, That Causes Cataracts Is Unstable, but Is Rescued by a Proteasomal Inhibitor. Journal of Biological Chemistry, 2013, 288, 20427-20434.	1.6	21
121	Connecting Exosomes and Connexins. Cancers, 2019, 11, 476.	1.7	20
122	Connexin46fs380 Causes Progressive Cataracts. , 2014, 55, 6639.		19
123	Gap Junction Synthesis and Degradation as Therapeutic Targets. Current Drug Targets, 2002, 3, 409-416.	1.0	18
124	Atrial fibrillationâ€associated Connexin40 mutants make hemichannels and synergistically form gap junction channels with novel properties. FEBS Letters, 2014, 588, 1458-1464.	1.3	17
125	Exosomes contribute to endothelial integrity and acute chest syndrome risk: Preliminary findings. Pediatric Pulmonology, 2017, 52, 1478-1485.	1.0	17
126	The Connexin50D47A Mutant Causes Cataracts by Calcium Precipitation. , 2019, 60, 2336.		17

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127	Mouse connexin37: gene structure and promoter analysis. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1492, 499-504.	2.4	16
128	A Carboxyl Terminal Domain of Connexin43 Is Critical for Gap Junction Plaque Formation but not for Homo- or Hetero-Oligomerization. Cell Communication and Adhesion, 2003, 10, 323-328.	1.0	15
129	Highly restricted pattern of connexin36 expression in chick somite development. Anatomy and Embryology, 2004, 209, 11-18.	1.5	15
130	Different domains are critical for oligomerization compatibility of different connexins. Biochemical Journal, 2011, 436, 35-43.	1.7	15
131	Physiological and Optical Alterations Precede the Appearance of Cataracts in Cx46fs380 Mice. , 2017, 58, 4366.		15
132	Muscle development in vitro following X irradiation. Developmental Biology, 1978, 66, 457-469.	0.9	14
133	Interfering amino terminal peptides and functional implications for heteromeric gap junction formation. Frontiers in Pharmacology, 2013, 4, 67.	1.6	14
134	The Connexin46 Mutant, Cx46T19M, Causes Loss of Gap Junction Function and Alters Hemi-channel Gating. Journal of Membrane Biology, 2015, 248, 145-155.	1.0	13
135	ZO-1 Regulates Intercalated Disc Composition and Atrioventricular Node Conduction. Circulation Research, 2020, 127, e28-e43.	2.0	13
136	Connexin43 with a cytoplasmic loop deletion inhibits the function of several connexins. Biochemical and Biophysical Research Communications, 2005, 333, 1185-1193.	1.0	12
137	Circulating Extracellular Vesicles and Endothelial Damage in Sickle Cell Disease. Frontiers in Physiology, 2020, 11, 1063.	1.3	12
138	Endogenous lectins in chickens and slime molds: Transfer from intracellular to extracellular sites. Journal of Supramolecular Structure and Cellular Biochemistry, 1981, 16, 233-242.	1.4	11
139	The GJA8 allele encoding CX50I247M is a rare polymorphism, not a cataract-causing mutation. Molecular Vision, 2009, 15, 1881-5.	1.1	11
140	Structural and molecular determinants of intercellular coupling in cardiac myocytes. Microscopy Research and Technique, 1995, 31, 357-363.	1.2	10
141	Chemical chaperone treatment improves levels and distributions of connexins in Cx50D47A mouse lenses. Experimental Eye Research, 2018, 175, 192-198.	1.2	10
142	Gap junctions in the chicken pineal gland. Brain Research, 2000, 861, 257-270.	1.1	9
143	Modulation of Connexin43 Expression:.. Journal of Cardiovascular Electrophysiology, 1995, 6, 103-114.	0.8	8
144	Inducible Coexpression of Connexin37 or Connexin40 with Connexin43 Selectively Affects Intercellular Molecular Transfer. Journal of Membrane Biology, 2012, 245, 231-241.	1.0	8

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145	Do Connexin Mutants Cause Cataracts by Perturbing Glutathione Levels and Redox Metabolism in the Lens?. Biomolecules, 2020, 10, 1418.	1.8	8
146	Cardiovascular Gap Junction Proteins: Molecular Characterization and Biochemical Regulation. Developments in Cardiovascular Medicine, 1998, , 45-72.	0.1	8
147	Monocyte bone degradation: In vitro analysis of monocyte activity in patients with juvenile rheumatoid arthritis. Journal of Pediatrics, 1986, 108, 405-409.	0.9	7
148	Molecular mechanisms underlying enhanced hemichannel function of a cataract-associated Cx50Âmutant. Biophysical Journal, 2021, 120, 5644-5656.	0.2	7
149	Characterization of a variant of gap junction protein Î±8 identified in a family with hereditary cataract. PLoS ONE, 2017, 12, e0183438.	1.1	6
150	Gap Junctions between Endothelial Cells Are Disrupted by Circulating Extracellular Vesicles from Sickle Cell Patients with Acute Chest Syndrome. International Journal of Molecular Sciences, 2020, 21, 8884.	1.8	6
151	Circulating extracellular vesicles from patients with acute chest syndrome disrupt adherens junctions between endothelial cells. Pediatric Research, 2021, 89, 776-784.	1.1	6
152	A carboxyl terminal domain of connexin43 is critical for gap junction plaque formation but not for homo- or hetero-oligomerization. Cell Communication and Adhesion, 2003, 10, 323-8.	1.0	6
153	Molecular Biology and Electrophysiology of Cardiac Gap Junctions. , 1994, , 379-401.		5
154	Gap junction genes and their regulation. Advances in Molecular and Cell Biology, 2000, 30, 1-30.	0.1	5
155	Mono-Heteromeric Configurations of Gap Junction Channels Formed by Connexin43 and Connexin45 Reduce Unitary Conductance and Determine both Voltage Gating and Metabolic Flux Asymmetry. Frontiers in Physiology, 2017, 8, 346.	1.3	5
156	CHOP is dispensable for lens transparency in wild-type and connexin50 mutant mice. Molecular Vision, 2019, 25, 535-545.	1.1	5
157	Cataract-linked serine mutations in the gap junction protein connexin50 expose a sorting signal that promotes its lysosomal degradation. Journal of Biological Chemistry, 2022, 298, 101673.	1.6	5
158	Are these connexins compatible and does it matter?. Channels, 2015, 9, 1-2.	1.5	4
159	Connexin23 deletion does not affect lens transparency. Experimental Eye Research, 2016, 146, 283-288.	1.2	4
160	Homomeric and Heteromeric Gap Junctions. , 2004, , 120-126.		3
161	Expression of multiple connexins by cells of the cardiovascular system and lens. , 1993, , 171-175.		3
162	Insights image for â€œCirculating extracellular vesicles from patients with acute chest syndrome disrupt adherens junctions between endothelial cellsâ€• Pediatric Research, 2021, 89, 1036-1036.	1.1	2

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163	Connexins, gap-junction proteins, and ATP-induced pores in macrophages. , 1993, , 71-74.		2
164	p62/Sequestosome 1 levels increase and phosphorylation is altered in Cx50D47A lenses, but deletion of p62/sequestosome 1 does not improve transparency. Molecular Vision, 2020, 26, 204-215.	1.1	2
165	Circulating Small Extracellular Vesicles May Contribute to Vaso-Occlusive Crises in Sickle Cell Disease. Journal of Clinical Medicine, 2022, 11, 816.	1.0	2
166	Chapter 2: Degradation of Gap Junctions and Connexins. Current Topics in Membranes, 1999, 49, 23-41.	0.5	1
167	Mutagenesis Of Charged Residues In The N-terminal Î±-helix Of Connexin37 Reveals An Essential Lysine Residue. Biophysical Journal, 2009, 96, 287a.	0.2	1
168	Lens Gap Junctions. , 2010, , 551-556.		1
169	Molecular and biophysical properties of the connexins from developing chick heart. , 1993, , 89-95.		1
170	Cardiovascular Connexins: Molecular Composition and Biochemical Regulation. Basic Science for the Cardiologist, 2002, , 51-87.	0.1	0
171	Endothelial gap junction proteins show typeâ€specific differences in oligomerization. FASEB Journal, 2007, 21, A911.	0.2	0
172	Exosomes from Patients with Sickle Cell Disease and History of Acute Chest Syndrome Alter Endothelial Integrity In Vitro. Blood, 2016, 128, 855-855.	0.6	0
173	Circulating Exosomes Isolated during Acute Chest Syndrome Disrupt Endothelial Integrity. Blood, 2018, 132, 2363-2363.	0.6	0
174	Circulating Extracellular Vesicles from Patients with Sickle Cell Disease Progressively Disrupt Different Types of Endothelial Intercellular Junctions. Blood, 2019, 134, 4823-4823.	0.6	0
175	Molecular mechanisms underlying enhanced hemichannel function of a cataract-associated Cx50 mutant. Biophysical Journal, 2022, 121, 175a.	0.2	0