

Eric C Beyer

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265
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14,135
ext. citations

6.6
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L-index

#	Paper	IF	Citations
172	Connexin43: a protein from rat heart homologous to a gap junction protein from liver. <i>Journal of Cell Biology</i> , 1987 , 105, 2621-9	7.3	987
171	Plasma membrane channels formed by connexins: their regulation and functions. <i>Physiological Reviews</i> , 2003 , 83, 1359-400	47.9	930
170	Connexin family of gap junction proteins. <i>Journal of Membrane Biology</i> , 1990 , 116, 187-94	2.3	473
169	Antisera directed against connexin43 peptides react with a 43-kD protein localized to gap junctions in myocardium and other tissues. <i>Journal of Cell Biology</i> , 1989 , 108, 595-605	7.3	471
168	Differential expression of three gap junction proteins in developing and mature brain tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 10148-52	11.5	450
167	Dephosphorylation and intracellular redistribution of ventricular connexin43 during electrical uncoupling induced by ischemia. <i>Circulation Research</i> , 2000 , 87, 656-62	15.7	438
166	Rapid turnover of connexin43 in the adult rat heart. <i>Circulation Research</i> , 1998 , 83, 629-35	15.7	356
165	Phosphorylation of connexin43 gap junction protein in uninfected and Rous sarcoma virus-transformed mammalian fibroblasts. <i>Molecular and Cellular Biology</i> , 1990 , 10, 1754-63	4.8	331
164	Expression of the gap junction protein connexin43 in embryonic chick lens: molecular cloning, ultrastructural localization, and post-translational phosphorylation. <i>Journal of Membrane Biology</i> , 1990 , 116, 163-75	2.3	304
163	Formation of gap junctions by expression of connexins in <i>Xenopus</i> oocyte pairs. <i>Cell</i> , 1989 , 57, 145-55	56.2	301
162	Slow ventricular conduction in mice heterozygous for a connexin43 null mutation. <i>Journal of Clinical Investigation</i> , 1997 , 99, 1991-8	15.9	233
161	Cardiac myocytes express multiple gap junction proteins. <i>Circulation Research</i> , 1992 , 70, 438-44	15.7	213
160	Degradation of connexin43 gap junctions involves both the proteasome and the lysosome. <i>Experimental Cell Research</i> , 1997 , 236, 482-92	4.2	212
159	Disparate effects of deficient expression of connexin43 on atrial and ventricular conduction: evidence for chamber-specific molecular determinants of conduction. <i>Circulation</i> , 1998 , 97, 686-91	16.7	202
158	The gap junction protein connexin43 is degraded via the ubiquitin proteasome pathway. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26399-403	5.4	195
157	Selectivity of connexin-specific gap junctions does not correlate with channel conductance. <i>Circulation Research</i> , 1995 , 77, 1156-65	15.7	192
156	Connexin43 mediates direct intercellular communication in human osteoblastic cell networks. <i>Journal of Clinical Investigation</i> , 1993 , 91, 1888-96	15.9	183

155	Oxidative stress, lens gap junctions, and cataracts. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 339-53	8.4	181
154	Molecular cloning and functional expression of human connexin37, an endothelial cell gap junction protein. <i>Journal of Clinical Investigation</i> , 1993 , 91, 997-1004	15.9	170
153	Multiple connexins confer distinct regulatory and conductance properties of gap junctions in developing heart. <i>Circulation Research</i> , 1992 , 71, 1277-83	15.7	167
152	The extent of heterocellular communication mediated by gap junctions is predictive of bystander tumor cytotoxicity in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 11071-5	11.5	164
151	Gap junction protein phenotypes of the human heart and conduction system. <i>Journal of Cardiovascular Electrophysiology</i> , 1995 , 6, 813-22	2.7	160
150	Distinct gap junction protein phenotypes in cardiac tissues with disparate conduction properties. <i>Journal of the American College of Cardiology</i> , 1994 , 24, 1124-32	15.1	156
149	Transfected connexin45 alters gap junction permeability in cells expressing endogenous connexin43. <i>Journal of Cell Biology</i> , 1995 , 130, 987-95	7.3	150
148	Cloning and expression of a <i>Xenopus</i> embryonic gap junction protein. <i>Science</i> , 1989 , 243, 1194-5	33.3	148
147	Selective dye and ionic permeability of gap junction channels formed by connexin45. <i>Circulation Research</i> , 1994 , 75, 483-90	15.7	147
146	Connexin43 and connexin45 form heteromeric gap junction channels in which individual components determine permeability and regulation. <i>Circulation Research</i> , 2002 , 90, 1100-7	15.7	139
145	Pathways for degradation of connexins and gap junctions. <i>Cardiovascular Research</i> , 2004 , 62, 256-67	9.9	135
144	Gap junction messenger RNA expression by vascular wall cells. <i>Circulation Research</i> , 1990 , 66, 1074-80	15.7	135
143	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. <i>Pharmacological Reviews</i> , 2017 , 69, 396-478	22.5	134
142	Cardiac gap junction channels show quantitative differences in selectivity. <i>Circulation Research</i> , 2002 , 91, 104-11	15.7	131
141	Distinct behavior of connexin56 and connexin46 gap junctional channels can be predicted from the behavior of their hemi-gap-junctional channels. <i>Biophysical Journal</i> , 1995 , 68, 1796-803	2.9	124
140	Expression of multiple connexins in cultured neonatal rat ventricular myocytes. <i>Circulation Research</i> , 1995 , 76, 381-7	15.7	121
139	Gap junction channels formed by coexpressed connexin40 and connexin43. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H1675-89	5.2	111
138	Functional and structural assessment of intercellular communication. Increased conduction velocity and enhanced connexin expression in dibutyryl cAMP-treated cultured cardiac myocytes. <i>Circulation Research</i> , 1996 , 79, 174-83	15.7	108

137	Differential expression of gap junction proteins in the canine sinus node. <i>Circulation Research</i> , 1998 , 82, 604-12	15.7	106
136	Distinct patterns of connexin expression in canine Purkinje fibers and ventricular muscle. <i>Circulation Research</i> , 1993 , 72, 1124-31	15.7	103
135	Autophagy: a pathway that contributes to connexin degradation. <i>Journal of Cell Science</i> , 2011 , 124, 910-20	3.9	102
134	The molecular basis of anisotropy: role of gap junctions. <i>Journal of Cardiovascular Electrophysiology</i> , 1995 , 6, 498-510	2.7	102
133	Heterotypic docking of Cx43 and Cx45 connexons blocks fast voltage gating of Cx43. <i>Biophysical Journal</i> , 2001 , 81, 1406-18	2.9	99
132	Regulation of connexin43 expression and function by prostaglandin E2 (PGE2) and parathyroid hormone (PTH) in osteoblastic cells. <i>Journal of Cellular Biochemistry</i> , 1998 , 68, 8-21	4.7	97
131	Molecular cloning and expression of rat connexin40, a gap junction protein expressed in vascular smooth muscle. <i>Journal of Membrane Biology</i> , 1992 , 127, 69-76	2.3	93
130	Unique conductance, gating, and selective permeability properties of gap junction channels formed by connexin40. <i>Circulation Research</i> , 1995 , 77, 813-22	15.7	85
129	Quantitation of two endogenous lactose-inhibitable lectins in embryonic and adult chicken tissues. <i>Journal of Cell Biology</i> , 1982 , 92, 23-7	7.3	84
128	Effects of angiotensin II on expression of the gap junction channel protein connexin43 in neonatal rat ventricular myocytes. <i>Journal of the American College of Cardiology</i> , 1998 , 32, 800-7	15.1	80
127	Localization of an endogenous lectin in chicken liver, intestine, and pancreas. <i>Journal of Cell Biology</i> , 1979 , 82, 565-71	7.3	80
126	Gap junction gene and protein families: Connexins, innexins, and pannexins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 5-8	3.8	79
125	In vivo modulation of connexin 43 gene expression and junctional coupling of pancreatic B-cells. <i>Experimental Cell Research</i> , 1991 , 192, 469-80	4.2	78
124	Connexin43 and connexin26 form gap junctions, but not heteromeric channels in co-expressing cells. <i>Journal of Cell Science</i> , 2004 , 117, 2469-80	5.3	77
123	Transcriptional regulation of the murine Connexin40 promoter by cardiac factors Nkx2-5, GATA4 and Tbx5. <i>Cardiovascular Research</i> , 2004 , 64, 402-11	9.9	75
122	Loss of function and impaired degradation of a cataract-associated mutant connexin50. <i>European Journal of Cell Biology</i> , 2003 , 82, 209-21	6.1	75
121	Developmentally regulated lectins from chick muscle, brain, and liver have similar chemical and immunological properties. <i>Developmental Biology</i> , 1978 , 64, 265-72	3.1	72
120	Connexin46 mutations linked to congenital cataract show loss of gap junction channel function. <i>American Journal of Physiology - Cell Physiology</i> , 2000 , 279, C596-602	5.4	71

119	Heterogeneous localization of connexin40 in the renal vasculature. <i>Microvascular Research</i> , 2000 , 59, 140-8	3.7	71
118	A mutant connexin50 with enhanced hemichannel function leads to cell death 2009 , 50, 5837-45		70
117	Connexin mutants and cataracts. <i>Frontiers in Pharmacology</i> , 2013 , 4, 43	5.6	69
116	Proteolysis of connexin43-containing gap junctions in normal and heat-stressed cardiac myocytes. <i>Cardiovascular Research</i> , 1998 , 38, 711-8	9.9	67
115	A novel GJA8 mutation is associated with autosomal dominant lamellar pulverulent cataract: further evidence for gap junction dysfunction in human cataract. <i>Journal of Medical Genetics</i> , 2006 , 43, e2	5.8	63
114	Amino terminal glutamate residues confer spermine sensitivity and affect voltage gating and channel conductance of rat connexin40 gap junctions. <i>Journal of Physiology</i> , 2004 , 557, 863-78	3.9	63
113	A novel connexin50 mutation associated with congenital nuclear pulverulent cataracts. <i>Journal of Medical Genetics</i> , 2008 , 45, 155-60	5.8	60
112	Secretion of endogenous lectin by chicken intestinal goblet cells. <i>Journal of Cell Biology</i> , 1982 , 92, 28-33	7.3	59
111	Molecular cloning of two human cardiac gap junction proteins, connexin40 and connexin45. <i>Journal of Molecular and Cellular Cardiology</i> , 1994 , 26, 861-8	5.8	57
110	Quantitative analysis of intercellular connections by immunohistochemistry of the cardiac gap junction protein connexin43. <i>Circulation Research</i> , 1989 , 65, 1450-7	15.7	55
109	Co-expression of lens fiber connexins modifies hemi-gap-junctional channel behavior. <i>Biophysical Journal</i> , 1999 , 76, 198-206	2.9	54
108	Connexin hemichannels in the lens. <i>Frontiers in Physiology</i> , 2014 , 5, 20	4.6	53
107	Zygotic expression of the connexin43 gene supplies subunits for gap junction assembly during mouse preimplantation development. <i>Molecular Reproduction and Development</i> , 1991 , 30, 18-26	2.6	53
106	Normal long-term survival with alpha-thalassemia. <i>Journal of Pediatrics</i> , 1986 , 108, 716-8	3.6	53
105	An aberrant sequence in a connexin46 mutant underlies congenital cataracts. <i>Journal of Biological Chemistry</i> , 2005 , 280, 40788-95	5.4	49
104	Expression of zebrafish connexin43.4 in the notochord and tail bud of wild-type and mutant no tail embryos. <i>Developmental Biology</i> , 1996 , 177, 449-62	3.1	47
103	Distribution of gap junctions in dog and rat ventricle studied with a double-label technique. <i>Journal of Molecular and Cellular Cardiology</i> , 1992 , 24, 1443-57	5.8	47
102	Lectins from chicken tissues are mitogenic for Thy-1 negative murine spleen cells. <i>Biochemical and Biophysical Research Communications</i> , 1980 , 97, 56-61	3.4	47

101	Mouse connexin40: gene structure and promoter analysis. <i>Genomics</i> , 1997 , 46, 120-6	4.3	46
100	An intact connexin N-terminus is required for function but not gap junction formation. <i>Journal of Cell Science</i> , 2008 , 121, 2744-50	5.3	46
99	c-Jun N-terminal kinase activation contributes to reduced connexin43 and development of atrial arrhythmias. <i>Cardiovascular Research</i> , 2013 , 97, 589-97	9.9	45
98	Gap junction protein connexin43 exacerbates lung vascular permeability. <i>PLoS ONE</i> , 2014 , 9, e100931	3.7	44
97	Gap junction proteins exhibit early and specific expression during intramembranous bone formation in the developing chick mandible. <i>Anatomy and Embryology</i> , 1994 , 190, 231-41		44
96	Connexin43 increases the sensitivity of prostate cancer cells to TNFalpha-induced apoptosis. <i>Journal of Cell Science</i> , 2007 , 120, 320-9	5.3	43
95	Redistribution of connexin45 in gap junctions of connexin43-deficient hearts. <i>Cardiovascular Research</i> , 2002 , 53, 921-35	9.9	43
94	Cultured chicken embryo lens cells resemble differentiating fiber cells in vivo and contain two kinetic pools of connexin56. <i>Experimental Eye Research</i> , 1999 , 68, 475-84	3.7	41
93	Heteromeric mixing of connexins: compatibility of partners and functional consequences. <i>Cell Communication and Adhesion</i> , 2001 , 8, 199-204		40
92	Connexin40 abnormalities and atrial fibrillation in the human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 76, 159-68	5.8	38
91	The gap-junction protein connexin 56 is phosphorylated in the intracellular loop and the carboxy-terminal region. <i>FEBS Journal</i> , 1997 , 244, 89-97		38
90	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. <i>Journal of Cell Science</i> , 2006 , 119, 2258-68	5.3	36
89	Expression of multiple gap junction proteins in human fetal and infant hearts. <i>Pediatric Research</i> , 1994 , 36, 561-6	3.2	35
88	Connexin40 and connexin43 determine gating properties of atrial gap junction channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 238-45	5.8	34
87	Polyvalent cations constitute the voltage gating particle in human connexin37 hemichannels. <i>Journal of General Physiology</i> , 2004 , 124, 587-603	3.4	34
86	Dynamic model for ventricular junctional conductance during the cardiac action potential. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H1113-23	5.2	34
85	The Family of Connexin Genes 2009 , 3-26		33
84	Heteromeric connexons formed by the lens connexins, connexin43 and connexin56. <i>European Journal of Cell Biology</i> , 2001 , 80, 11-9	6.1	33

83	Peptide inhibitors of intercellular communication. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 279, L619-22	5.8	33
82	Functional expression and biophysical properties of polymorphic variants of the human gap junction protein connexin37. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 274, 216-24	3.4	33
81	Different consequences of cataract-associated mutations at adjacent positions in the first extracellular boundary of connexin50. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C1055-64	5.4	32
80	Adenoviral delivery of human connexin37 induces endothelial cell death through apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 319, 1144-51	3.4	32
79	Connexin and gap junction degradation. <i>Methods</i> , 2000 , 20, 180-7	4.6	31
78	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. <i>Developmental Dynamics</i> , 1994 , 199, 156-67	2.9	31
77	Cardiac myocyte interconnections at gap junctions Role in normal and abnormal electrical conduction. <i>Trends in Cardiovascular Medicine</i> , 1992 , 2, 56-60	6.9	31
76	c-Src kinase inhibition reduces arrhythmia inducibility and connexin43 dysregulation after myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 928-34	15.1	30
75	Localization and distribution of gap junctions in normal and cardiomyopathic hamster heart. <i>Journal of Morphology</i> , 1994 , 222, 203-13	1.6	30
74	Cx30.2 can form heteromeric gap junction channels with other cardiac connexins. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 388-94	3.4	29
73	Cataracts are caused by alterations of a critical N-terminal positive charge in connexin50. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 2549-56		28
72	Critical role of the first transmembrane domain of Cx26 in regulating oligomerization and function. <i>Molecular Biology of the Cell</i> , 2012 , 23, 3299-311	3.5	27
71	Connexin50D47A decreases levels of fiber cell connexins and impairs lens fiber cell differentiation		27
70	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. <i>Journal of Biological Chemistry</i> , 2011 , 286, 22139-46	5.4	27
69	Chicken tissue binding sites for a purified chicken lectin. <i>Journal of Supramolecular Structure</i> , 1980 , 13, 219-27		27
68	Cytoplasmic amino acids within the membrane interface region influence connexin oligomerization. <i>Journal of Membrane Biology</i> , 2012 , 245, 221-30	2.3	26
67	Roles and regulation of lens epithelial cell connexins. <i>FEBS Letters</i> , 2014 , 588, 1297-303	3.8	25
66	An MIP/AQP0 mutation with impaired trafficking and function underlies an autosomal dominant congenital lamellar cataract. <i>Experimental Eye Research</i> , 2013 , 110, 136-41	3.7	25

65	Transgenic overexpression of connexin50 induces cataracts. <i>Experimental Eye Research</i> , 2007 , 84, 513-283,7	25
64	The Cataract-linked Mutant Connexin50D47A Causes Endoplasmic Reticulum Stress in Mouse Lenses. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17569-78	5.4 23
63	Mouse connexin 45: genomic cloning and exon usage. <i>DNA and Cell Biology</i> , 2001 , 20, 11-9	3.6 23
62	Rat uterine myometrium contains the gap junction protein connexin45, which has a differing temporal expression pattern from connexin43. <i>American Journal of Obstetrics and Gynecology</i> , 1996 , 175, 853-8	6.4 23
61	The N terminus of connexin37 contains an alpha-helix that is required for channel function. <i>Journal of Biological Chemistry</i> , 2009 , 284, 20418-27	5.4 20
60	The cytoplasmic accumulations of the cataract-associated mutant, Connexin50P88S, are long-lived and form in the endoplasmic reticulum. <i>Experimental Eye Research</i> , 2009 , 88, 600-9	3.7 20
59	Structural organization of intercellular channels II. Amino terminal domain of the connexins: sequence, functional roles, and structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 1823-30	3.8 19
58	Degradation of a connexin40 mutant linked to atrial fibrillation is accelerated. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 74, 330-9	5.8 18
57	A connexin50 mutant, CX50fs, that causes cataracts is unstable, but is rescued by a proteasomal inhibitor. <i>Journal of Biological Chemistry</i> , 2013 , 288, 20427-34	5.4 17
56	Gap junction synthesis and degradation as therapeutic targets. <i>Current Drug Targets</i> , 2002 , 3, 409-16	3 17
55	Mouse connexin37: gene structure and promoter analysis. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000 , 1492, 499-504	16
54	Gap junction structure: unraveled, but not fully revealed. <i>F1000Research</i> , 2017 , 6, 568	3.6 16
53	Disruption of the lens circulation causes calcium accumulation and precipitates in connexin mutant mice. <i>American Journal of Physiology - Cell Physiology</i> , 2018 , 314, C492-C503	5.4 15
52	Atrial fibrillation-associated connexin40 mutants make hemichannels and synergistically form gap junction channels with novel properties. <i>FEBS Letters</i> , 2014 , 588, 1458-64	3.8 15
51	Intermittent hypoxia causes NOX2-dependent remodeling of atrial connexins. <i>BMC Cell Biology</i> , 2017 , 18, 7	14
50	Connexin46fs380 causes progressive cataracts 2014 , 55, 6639-48	14
49	Highly restricted pattern of connexin36 expression in chick somite development. <i>Anatomy and Embryology</i> , 2004 , 209, 11-8	14
48	Interfering amino terminal peptides and functional implications for heteromeric gap junction formation. <i>Frontiers in Pharmacology</i> , 2013 , 4, 67	5.6 13

47	Different domains are critical for oligomerization compatibility of different connexins. <i>Biochemical Journal</i> , 2011 , 436, 35-43	3.8	13
46	Muscle development in vitro following X irradiation. <i>Developmental Biology</i> , 1978 , 66, 457-69	3.1	13
45	The Connexin50D47A Mutant Causes Cataracts by Calcium Precipitation 2019 , 60, 2336-2346		12
44	A Carboxyl Terminal Domain of Connexin43 Is Critical for Gap Junction Plaque Formation but not for Homo- or Hetero-Oligomerization. <i>Cell Communication and Adhesion</i> , 2003 , 10, 323-328		12
43	Connexin Mutants Compromise the Lens Circulation and Cause Cataracts through Biom mineralization. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
42	Exosomes contribute to endothelial integrity and acute chest syndrome risk: Preliminary findings. <i>Pediatric Pulmonology</i> , 2017 , 52, 1478-1485	3.5	11
41	Connecting Exosomes and Connexins. <i>Cancers</i> , 2019 , 11,	6.6	11
40	The connexin46 mutant, Cx46T19M, causes loss of gap junction function and alters hemi-channel gating. <i>Journal of Membrane Biology</i> , 2015 , 248, 145-55	2.3	11
39	Endogenous lectins in chickens and slime molds: transfer from intracellular to extracellular sites. <i>Journal of Supramolecular Structure and Cellular Biochemistry</i> , 1981 , 16, 233-42		11
38	Physiological and Optical Alterations Precede the Appearance of Cataracts in Cx46fs380 Mice 2017 , 58, 4366-4374		10
37	Connexin43 with a cytoplasmic loop deletion inhibits the function of several connexins. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 1185-93	3.4	10
36	The GJA8 allele encoding CX50I247M is a rare polymorphism, not a cataract-causing mutation. <i>Molecular Vision</i> , 2009 , 15, 1881-5	2.3	10
35	Inducible coexpression of connexin37 or connexin40 with connexin43 selectively affects intercellular molecular transfer. <i>Journal of Membrane Biology</i> , 2012 , 245, 231-41	2.3	8
34	Gap junctions in the chicken pineal gland. <i>Brain Research</i> , 2000 , 861, 257-70	3.7	8
33	Modulation of connexin43 expression: effects on cellular coupling. <i>Journal of Cardiovascular Electrophysiology</i> , 1995 , 6, 103-14	2.7	8
32	Structural and molecular determinants of intercellular coupling in cardiac myocytes. <i>Microscopy Research and Technique</i> , 1995 , 31, 357-63	2.8	8
31	Chemical chaperone treatment improves levels and distributions of connexins in Cx50D47A mouse lenses. <i>Experimental Eye Research</i> , 2018 , 175, 192-198	3.7	7
30	Monocyte bone degradation: in vitro analysis of monocyte activity in patients with juvenile rheumatoid arthritis. <i>Journal of Pediatrics</i> , 1986 , 108, 405-9	3.6	7

29	A carboxyl terminal domain of connexin43 is critical for gap junction plaque formation but not for homo- or hetero-oligomerization. <i>Cell Communication and Adhesion</i> , 2003 , 10, 323-8		6
28	ZO-1 Regulates Intercalated Disc Composition and Atrioventricular Node Conduction. <i>Circulation Research</i> , 2020 , 127, e28-e43	15.7	5
27	Mono-Heteromeric Configurations of Gap Junction Channels Formed by Connexin43 and Connexin45 Reduce Unitary Conductance and Determine both Voltage Gating and Metabolic Flux Asymmetry. <i>Frontiers in Physiology</i> , 2017 , 8, 346	4.6	5
26	Molecular Biology and Electrophysiology of Cardiac Gap Junctions 1994 , 379-401		5
25	Gap junction genes and their regulation. <i>Advances in Molecular and Cell Biology</i> , 2000 , 30, 1-30		4
24	CHOP is dispensable for lens transparency in wild-type and connexin50 mutant mice. <i>Molecular Vision</i> , 2019 , 25, 535-545	2.3	4
23	Do Connexin Mutants Cause Cataracts by Perturbing Glutathione Levels and Redox Metabolism in the Lens?. <i>Biomolecules</i> , 2020 , 10,	5.9	4
22	Cardiovascular Gap Junction Proteins: Molecular Characterization and Biochemical Regulation. <i>Developments in Cardiovascular Medicine</i> , 1998 , 45-72		4
21	Characterization of a variant of gap junction protein B identified in a family with hereditary cataract. <i>PLoS ONE</i> , 2017 , 12, e0183438	3.7	3
20	Connexin23 deletion does not affect lens transparency. <i>Experimental Eye Research</i> , 2016 , 146, 283-288	3.7	3
19	Molecular mechanisms underlying enhanced hemichannel function of a cataract-associated Cx50 mutant. <i>Biophysical Journal</i> , 2021 ,	2.9	3
18	Circulating Extracellular Vesicles and Endothelial Damage in Sickle Cell Disease. <i>Frontiers in Physiology</i> , 2020 , 11, 1063	4.6	3
17	p62/Sequestosome 1 levels increase and phosphorylation is altered in Cx50D47A lenses, but deletion of p62/sequestosome 1 does not improve transparency. <i>Molecular Vision</i> , 2020 , 26, 204-215	2.3	2
16	Homomeric and Heteromeric Gap Junctions 2004 , 120-126		2
15	Circulating extracellular vesicles from patients with acute chest syndrome disrupt adherens junctions between endothelial cells. <i>Pediatric Research</i> , 2021 , 89, 776-784	3.2	2
14	Insights image for "Circulating extracellular vesicles from patients with acute chest syndrome disrupt adherens junctions between endothelial cells". <i>Pediatric Research</i> , 2021 , 89, 1036	3.2	2
13	Chapter 2: Degradation of Gap Junctions and Connexins. <i>Current Topics in Membranes</i> , 1999 , 49, 23-41	2.2	1
12	Molecular and biophysical properties of the connexins from developing chick heart 1993 , 89-95		1

- 11 Connexins, gap-junction proteins, and ATP-induced pores in macrophages **1993**, 71-74 1
- 10 Cataract-linked serine mutations in the gap junction protein connexin50 expose a sorting signal that promotes its lysosomal degradation.. *Journal of Biological Chemistry*, **2022**, 101673 5.4 0
- 9 Lens Gap Junctions **2010**, 551-556
- 8 Connexin Diversity in the Human Conduction System. *Journal of Cardiovascular Electrophysiology*, **1996**, 7, 382-385 2.7
- 7 Cardiovascular Connexins: Molecular Composition and Biochemical Regulation. *Basic Science for the Cardiologist*, **2002**, 51-87
- 6 Endothelial gap junction proteins show type-specific differences in oligomerization. *FASEB Journal*, **2007**, 21, A911 0.9
- 5 Circulating Exosomes Isolated during Acute Chest Syndrome Disrupt Endothelial Integrity. *Blood*, **2018**, 132, 2363-2363 2.2
- 4 Circulating Extracellular Vesicles from Patients with Sickle Cell Disease Progressively Disrupt Different Types of Endothelial Intercellular Junctions. *Blood*, **2019**, 134, 4823-4823 2.2
- 3 Expression of multiple connexins by cells of the cardiovascular system and lens **1993**, 171-175
- 2 Regulation of Lens Gap Junctions **1997**, 395-406
- 1 Exosomes from Patients with Sickle Cell Disease and History of Acute Chest Syndrome Alter Endothelial Integrity In Vitro. *Blood*, **2016**, 128, 855-855 2.2