

Dale W Laird

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166 papers	11,520 citations	58 h-index	104 g-index
178 ext. papers	12,680 ext. citations	6.7 avg, IF	6.52 L-index

#	Paper	IF	Citations
166	Multicolor and electron microscopic imaging of connexin trafficking. <i>Science</i> , 2002 , 296, 503-7	33.3	805
165	Pannexin 1 channels mediate Ca^{2+} signal release and membrane permeability during apoptosis. <i>Nature</i> , 2010 , 467, 863-7	50.4	745
164	Life cycle of connexins in health and disease. <i>Biochemical Journal</i> , 2006 , 394, 527-43	3.8	605
163	Turnover and phosphorylation dynamics of connexin43 gap junction protein in cultured cardiac myocytes. <i>Biochemical Journal</i> , 1991 , 273(Pt 1), 67-72	3.8	404
162	Pannexin 1 and pannexin 3 are glycoproteins that exhibit many distinct characteristics from the connexin family of gap junction proteins. <i>Journal of Cell Science</i> , 2007 , 120, 3772-83	5.3	322
161	Inhibition of gap junction and adherens junction assembly by connexin and A-CAM antibodies. <i>Journal of Cell Biology</i> , 1992 , 119, 179-89	7.3	310
160	Pannexin channels are not gap junction hemichannels. <i>Channels</i> , 2011 , 5, 193-7	3	259
159	The biochemistry and function of pannexin channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 15-22	3.8	257
158	Implications and challenges of connexin connections to cancer. <i>Nature Reviews Cancer</i> , 2010 , 10, 435-41	31.3	243
157	Clustering of connexin 43-enhanced green fluorescent protein gap junction channels and functional coupling in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 2556-61	11.5	224
156	Connexin phosphorylation as a regulatory event linked to gap junction internalization and degradation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1711, 172-82	3.8	221
155	Gap junction turnover, intracellular trafficking, and phosphorylation of connexin43 in brefeldin A-treated rat mammary tumor cells. <i>Journal of Cell Biology</i> , 1995 , 131, 1193-203	7.3	217
154	The gap junction proteome and its relationship to disease. <i>Trends in Cell Biology</i> , 2010 , 20, 92-101	18.3	211
153	A Gja1 missense mutation in a mouse model of oculodentodigital dysplasia. <i>Development (Cambridge)</i> , 2005 , 132, 4375-86	6.6	199
152	Gap junctions and cancer: communicating for 50 years. <i>Nature Reviews Cancer</i> , 2016 , 16, 775-788	31.3	191
151	Trafficking, assembly, and function of a connexin43-green fluorescent protein chimera in live mammalian cells. <i>Molecular Biology of the Cell</i> , 1999 , 10, 2033-50	3.5	183
150	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S254-96	4.6	176

149	Retroviral delivery of connexin genes to human breast tumor cells inhibits in vivo tumor growth by a mechanism that is independent of significant gap junctional intercellular communication. <i>Journal of Biological Chemistry</i> , 2002 , 277, 29132-8	5.4	168
148	Connexins act as tumor suppressors in three-dimensional mammary cell organoids by regulating differentiation and angiogenesis. <i>Cancer Research</i> , 2006 , 66, 9886-94	10.1	167
147	Rho signaling regulates pannexin 1-mediated ATP release from airway epithelia. <i>Journal of Biological Chemistry</i> , 2011 , 286, 26277-86	5.4	164
146	The life cycle of a connexin: gap junction formation, removal, and degradation. <i>Journal of Bioenergetics and Biomembranes</i> , 1996 , 28, 311-8	3.7	159
145	Glycosylation regulates pannexin intermixing and cellular localization. <i>Molecular Biology of the Cell</i> , 2009 , 20, 4313-23	3.5	143
144	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. <i>Pharmacological Reviews</i> , 2017 , 69, 396-478	22.5	134
143	Pannexin1 regulates α -adrenergic receptor- mediated vasoconstriction. <i>Circulation Research</i> , 2011 , 109, 80-5	15.7	128
142	Lysosomal and proteasomal degradation play distinct roles in the life cycle of Cx43 in gap junctional intercellular communication-deficient and -competent breast tumor cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 30005-14	5.4	119
141	Down-regulation of Cx43 by retroviral delivery of small interfering RNA promotes an aggressive breast cancer cell phenotype. <i>Cancer Research</i> , 2005 , 65, 2705-11	10.1	117
140	Caveolin-1 and -2 interact with connexin43 and regulate gap junctional intercellular communication in keratinocytes. <i>Molecular Biology of the Cell</i> , 2008 , 19, 912-28	3.5	100
139	Syndromic and non-syndromic disease-linked Cx43 mutations. <i>FEBS Letters</i> , 2014 , 588, 1339-48	3.8	99
138	Oculodentodigital dysplasia-causing connexin43 mutants are non-functional and exhibit dominant effects on wild-type connexin43. <i>Journal of Biological Chemistry</i> , 2005 , 280, 11458-66	5.4	99
137	Mechanisms of Cx43 and Cx26 transport to the plasma membrane and gap junction regeneration. <i>Journal of Cell Science</i> , 2005 , 118, 4451-62	5.3	97
136	Pannexin channels and their links to human disease. <i>Biochemical Journal</i> , 2014 , 461, 371-81	3.8	95
135	Therapeutic strategies targeting connexins. <i>Nature Reviews Drug Discovery</i> , 2018 , 17, 905-921	64.1	91
134	Selective assembly of connexin37 into heterocellular gap junctions at the oocyte/granulosa cell interface. <i>Journal of Cell Science</i> , 2004 , 117, 2699-707	5.3	89
133	Cellular immunolocalization of occludin during embryonic and postnatal development of the mouse testis and epididymis. <i>Endocrinology</i> , 1999 , 140, 3815-25	4.8	89
132	Connexin 43 mediated gap junctional communication enhances breast tumor cell diapedesis in culture. <i>Breast Cancer Research</i> , 2005 , 7, R522-34	8.3	85

131	Implications of pannexin 1 and pannexin 3 for keratinocyte differentiation. <i>Journal of Cell Science</i> , 2010 , 123, 1363-72	5.3	83
130	Pannexin1 and pannexin3 delivery, cell surface dynamics, and cytoskeletal interactions. <i>Journal of Biological Chemistry</i> , 2010 , 285, 9147-60	5.4	81
129	Connexins and gap junctions in mammary gland development and breast cancer progression. <i>Journal of Membrane Biology</i> , 2007 , 218, 107-21	2.3	81
128	Next-Generation Connexin and Pannexin Cell Biology. <i>Trends in Cell Biology</i> , 2016 , 26, 944-955	18.3	79
127	A mitosis-specific phosphorylation of the gap junction protein connexin43 in human vascular cells: biochemical characterization and localization. <i>Journal of Cell Biology</i> , 1997 , 137, 203-10	7.3	79
126	S-nitrosylation inhibits pannexin 1 channel function. <i>Journal of Biological Chemistry</i> , 2012 , 287, 39602-12	5.4	77
125	Cx43 suppresses mammary tumor metastasis to the lung in a Cx43 mutant mouse model of human disease. <i>Oncogene</i> , 2011 , 30, 1681-92	9.2	76
124	Regulation of fas ligand expression during activation-induced cell death in T cells by p38 mitogen-activated protein kinase and c-Jun NH2-terminal kinase. <i>Journal of Experimental Medicine</i> , 2000 , 191, 1017-30	16.6	72
123	Trapping an intermediate form of connexin43 in the Golgi. <i>Experimental Cell Research</i> , 1993 , 206, 85-92	4.2	72
122	Pannexin 3 is a novel target for Runx2, expressed by osteoblasts and mature growth plate chondrocytes. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2911-22	6.3	71
121	Loss of pannexin 1 attenuates melanoma progression by reversion to a melanocytic phenotype. <i>Journal of Biological Chemistry</i> , 2012 , 287, 29184-93	5.4	71
120	Expression of pannexin isoforms in the systemic murine arterial network. <i>Journal of Vascular Research</i> , 2012 , 49, 405-16	1.9	71
119	Gap junctions assemble in the presence of cytoskeletal inhibitors, but enhanced assembly requires microtubules. <i>Experimental Cell Research</i> , 2002 , 275, 67-80	4.2	70
118	Functional domain mapping and selective trans-dominant effects exhibited by Cx26 disease-causing mutations. <i>Journal of Biological Chemistry</i> , 2004 , 279, 19157-68	5.4	69
117	Functional characterization of oculodentodigital dysplasia-associated Cx43 mutants. <i>Cell Communication and Adhesion</i> , 2005 , 12, 279-92		61
116	Evaluation of mammary gland development and function in mouse models. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	60
115	Closing the gap on autosomal dominant connexin-26 and connexin-43 mutants linked to human disease. <i>Journal of Biological Chemistry</i> , 2008 , 283, 2997-3001	5.4	60
114	Functional characterization of a GJA1 frameshift mutation causing oculodentodigital dysplasia and palmoplantar keratoderma. <i>Journal of Biological Chemistry</i> , 2006 , 281, 31801-11	5.4	60

113	Neuronal differentiation and growth control of neuro-2a cells after retroviral gene delivery of connexin43. <i>Journal of Biological Chemistry</i> , 2000 , 275, 34407-14	5.4	60
112	The tumor-suppressive function of Connexin43 in keratinocytes is mediated in part via interaction with caveolin-1. <i>Cancer Research</i> , 2010 , 70, 4222-32	10.1	59
111	Diverse subcellular distribution profiles of pannexin 1 and pannexin 3. <i>Cell Communication and Adhesion</i> , 2008 , 15, 133-42		59
110	Chemotherapeutic drugs induce ATP release via caspase-gated pannexin-1 channels and a caspase/pannexin-1-independent mechanism. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27246-27263	5.4	58
109	Differential potency of dominant negative connexin43 mutants in oculodentodigital dysplasia. <i>Journal of Biological Chemistry</i> , 2007 , 282, 19190-202	5.4	58
108	Mechanisms linking connexin mutations to human diseases. <i>Cell and Tissue Research</i> , 2015 , 360, 701-21	4.2	57
107	Connexin levels regulate keratinocyte differentiation in the epidermis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30171-80	5.4	54
106	Cx26 inhibits breast MDA-MB-435 cell tumorigenic properties by a gap junctional intercellular communication-independent mechanism. <i>Carcinogenesis</i> , 2006 , 27, 2528-37	4.6	53
105	Connexins and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	52
104	A Germline Variant in the PANX1 Gene Has Reduced Channel Function and Is Associated with Multisystem Dysfunction. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12432-12443	5.4	48
103	Panx1 regulates cellular properties of keratinocytes and dermal fibroblasts in skin development and wound healing. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2026-2035	4.3	48
102	The protective effect of functional connexin43 channels on a human epithelial cell line exposed to oxidative stress. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 800-6		48
101	ODDD-linked Cx43 mutants reduce endogenous Cx43 expression and function in osteoblasts and inhibit late stage differentiation. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 928-38	6.3	48
100	Pannexin1 and Pannexin3 exhibit distinct localization patterns in human skin appendages and are regulated during keratinocyte differentiation and carcinogenesis. <i>Cell Communication and Adhesion</i> , 2012 , 19, 45-53		46
99	Immunolocalization of serum amyloid A and AA amyloid in lysosomes in murine monocytoid cells: confocal and immunogold electron microscopic studies. <i>Journal of Pathology</i> , 1994 , 173, 361-9	9.4	46
98	Decreased levels of connexin43 result in impaired development of the mammary gland in a mouse model of oculodentodigital dysplasia. <i>Developmental Biology</i> , 2008 , 318, 312-22	3.1	45
97	Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S2-18	4.6	44
96	Gap junction remodeling in skin repair following wounding and disease. <i>Physiology</i> , 2013 , 28, 190-8	9.8	42

95	Sodium channel distribution within the rabbit atrioventricular node as analysed by confocal microscopy. <i>Journal of Physiology</i> , 1997 , 501 (Pt 2), 263-74	3.9	42
94	Characterization of pannexin1 and pannexin3 and their regulation by androgens in the male reproductive tract of the adult rat. <i>Molecular Reproduction and Development</i> , 2011 , 78, 124-38	2.6	41
93	A histone deacetylation-dependent mechanism for transcriptional repression of the gap junction gene cx43 in prostate cancer cells. <i>Prostate</i> , 2006 , 66, 1151-61	4.2	40
92	Fate of connexin43 in cardiac tissue harbouring a disease-linked connexin43 mutant. <i>Cardiovascular Research</i> , 2008 , 80, 385-95	9.9	39
91	Role of cytoskeletal elements in the recruitment of Cx43-GFP and Cx26-YFP into gap junctions. <i>Cell Communication and Adhesion</i> , 2001 , 8, 231-6		39
90	Molecular cloning, structure, and expression of a testicular follitropin receptor with selective alteration in the carboxy terminus that affects signaling function. <i>Molecular Reproduction and Development</i> , 1997 , 48, 458-70	2.6	38
89	Cx43 has distinct mobility within plasma-membrane domains, indicative of progressive formation of gap-junction plaques. <i>Journal of Cell Science</i> , 2009 , 122, 554-62	5.3	37
88	The severity of mammary gland developmental defects is linked to the overall functional status of Cx43 as revealed by genetically modified mice. <i>Biochemical Journal</i> , 2013 , 449, 401-13	3.8	36
87	A dominant loss-of-function GJA1 (Cx43) mutant impairs parturition in the mouse. <i>Biology of Reproduction</i> , 2009 , 80, 1099-106	3.9	36
86	Mutations in Cx30 that are linked to skin disease and non-syndromic hearing loss exhibit several distinct cellular pathologies. <i>Journal of Cell Science</i> , 2014 , 127, 1751-64	5.3	34
85	Human dermal fibroblasts derived from oculodentodigital dysplasia patients suggest that patients may have wound-healing defects. <i>Human Mutation</i> , 2011 , 32, 456-66	4.7	34
84	Structure and functional studies of N-terminal Cx43 mutants linked to oculodentodigital dysplasia. <i>Molecular Biology of the Cell</i> , 2012 , 23, 3312-21	3.5	34
83	Deletion of Panx3 Prevents the Development of Surgically Induced Osteoarthritis. <i>Journal of Molecular Medicine</i> , 2015 , 93, 845-56	5.5	32
82	SnapShot: Connexins and Disease. <i>Cell</i> , 2017 , 170, 1260-1260.e1	56.2	31
81	Expression of Pannexin1 in the outer plexiform layer of the mouse retina and physiological impact of its knockout. <i>Journal of Comparative Neurology</i> , 2013 , 521, 1119-35	3.4	31
80	Beta3 integrins facilitate matrix interactions during transendothelial migration of PC3 prostate tumor cells. <i>Prostate</i> , 2005 , 63, 65-80	4.2	31
79	Connexin expression and gap junction communication compartments in the developing mouse limb. <i>Developmental Dynamics</i> , 1992 , 195, 153-61	2.9	31
78	Pathways regulating the trafficking and turnover of pannexin1 protein and the role of the C-terminal domain. <i>Journal of Biological Chemistry</i> , 2011 , 286, 27639-53	5.4	29

77	Comparative analysis and application of fluorescent protein-tagged connexins. <i>Microscopy Research and Technique</i> , 2001 , 52, 263-72	2.8	28
76	Connexin43 reduces melanoma growth within a keratinocyte microenvironment and during tumorigenesis in vivo. <i>Journal of Biological Chemistry</i> , 2014 , 289, 1592-603	5.4	27
75	Decreased levels of Cx43 gap junctions result in ameloblast dysregulation and enamel hypoplasia in Gja1Jrt/+ mice. <i>Journal of Cellular Physiology</i> , 2010 , 223, 601-9	7	27
74	Zebrafish early cardiac connexin, Cx36.7/Ecx, regulates myofibril orientation and heart morphogenesis by establishing Nkx2.5 expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4763-8	11.5	27
73	Milk secretion and ejection are impaired in the mammary gland of mice harboring a Cx43 mutant while expression and localization of tight and adherens junction proteins remain unchanged. <i>Biology of Reproduction</i> , 2010 , 82, 837-47	3.9	25
72	Connexin26 regulates the expression of angiogenesis-related genes in human breast tumor cells by both GJIC-dependent and -independent mechanisms. <i>Cell Communication and Adhesion</i> , 2003 , 10, 387-93		25
71	Role of HSP90 in mediating cross-talk between the estrogen receptor and the Ah receptor signal transduction pathways. <i>Biochemical Pharmacology</i> , 1999 , 58, 1395-403	6	25
70	Autosomal recessive GJA1 (Cx43) gene mutations cause oculodentodigital dysplasia by distinct mechanisms. <i>Journal of Cell Science</i> , 2013 , 126, 2857-66	5.3	24
69	Global deletion of Panx3 produces multiple phenotypic effects in mouse humeri and femora. <i>Journal of Anatomy</i> , 2016 , 228, 746-56	2.9	23
68	Rat epidermal keratinocytes as an organotypic model for examining the role of Cx43 and Cx26 in skin differentiation. <i>Cell Communication and Adhesion</i> , 2005 , 12, 219-30		23
67	Diverse post-translational modifications of the pannexin family of channel-forming proteins. <i>Channels</i> , 2014 , 8, 124-30	3	22
66	Connexin Hemichannels: Methods for Dye Uptake and Leakage. <i>Journal of Membrane Biology</i> , 2016 , 249, 713-741	2.3	22
65	An update on minding the gap in cancer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 237-243	3.8	21
64	Role of connexins and pannexins during ontogeny, regeneration, and pathologies of bone. <i>BMC Cell Biology</i> , 2016 , 17 Suppl 1, 19		21
63	Functional role of a polymorphism in the Pannexin1 gene in collagen-induced platelet aggregation. <i>Thrombosis and Haemostasis</i> , 2015 , 114, 325-36	7	21
62	The potency of the fs260 connexin43 mutant to impair keratinocyte differentiation is distinct from other disease-linked connexin43 mutants. <i>Biochemical Journal</i> , 2010 , 429, 473-83	3.8	21
61	Connexins in skeletal muscle development and disease. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 50, 67-73	7.5	19
60	Regulation of the gap junction connexin 43 gene by androgens in the prostate. <i>Journal of Molecular Endocrinology</i> , 2001 , 26, 1-10	4.5	19

59	The G60S Cx43 mutant enhances keratinocyte proliferation and differentiation. <i>Experimental Dermatology</i> , 2012 , 21, 612-8	4	18
58	An atrial-fibrillation-linked connexin40 mutant is retained in the endoplasmic reticulum and impairs the function of atrial gap-junction channels. <i>DMM Disease Models and Mechanisms</i> , 2014 , 7, 561-9	4.1	18
57	Oogenesis defects in a mutant mouse model of oculodentodigital dysplasia. <i>DMM Disease Models and Mechanisms</i> , 2009 , 2, 157-67	4.1	18
56	Hypoxia and reoxygenation-induced oxidant production increase in microvascular endothelial cells depends on connexin40. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 1008-13	7.8	18
55	Transport and function of cx26 mutants involved in skin and deafness disorders. <i>Cell Communication and Adhesion</i> , 2003 , 10, 353-8		18
54	Aberrant Cx43 Expression and Mislocalization in Metastatic Human Melanomas. <i>Journal of Cancer</i> , 2017 , 8, 1123-1128	4.5	17
53	Selective localization of murine ApoSAA1/SAA2 in endosomes-lysosomes in activated macrophages and their degradation products. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1997 , 4, 40-48	2.7	17
52	Characterization and application of an in vitro detection system for studying the binding and phagocytosis of rod outer segments by retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 1992 , 54, 775-83	3.7	17
51	Differential effects of pannexins on noise-induced hearing loss. <i>Biochemical Journal</i> , 2016 , 473, 4665-4680	3.0	17
50	Connexin43 Mutant Patient-Derived Induced Pluripotent Stem Cells Exhibit Altered Differentiation Potential. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1368-1385	6.3	15
49	Specific functional pathologies of Cx43 mutations associated with oculodentodigital dysplasia. <i>Molecular Biology of the Cell</i> , 2016 , 27, 2172-85	3.5	14
48	Insights into the role of connexins in mammary gland morphogenesis and function. <i>Reproduction</i> , 2015 , 149, R279-90	3.8	14
47	Aggregated DsRed-tagged Cx43 and over-expressed Cx43 are targeted to lysosomes in human breast cancer cells. <i>Cell Communication and Adhesion</i> , 2001 , 8, 433-9		14
46	Cx26 knockout predisposes the mammary gland to primary mammary tumors in a DMBA-induced mouse model of breast cancer. <i>Oncotarget</i> , 2015 , 6, 37185-99	3.3	14
45	Cx30 exhibits unique characteristics including a long half-life when assembled into gap junctions. <i>Journal of Cell Science</i> , 2015 , 128, 3947-60	5.3	13
44	The effect of connexin43 on the level of vascular endothelial growth factor in human retinal pigment epithelial cells. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2012 , 250, 515-22	3.8	13
43	The G60S connexin43 mutant regulates hair growth and hair fiber morphology in a mouse model of human oculodentodigital dysplasia. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 2197-204	4.3	13
42	Quiescent mammary epithelial cells have reduced connexin43 but maintain a high level of gap junction intercellular communication. <i>Genesis</i> , 1999 , 24, 111-22		13

41	Single-cell dynamics of pannexin-1-facilitated programmed ATP loss during apoptosis. <i>ELife</i> , 2020 , 9,	8.9	12
40	Manipulating Cx43 expression triggers gene reprogramming events in dermal fibroblasts from oculodentodigital dysplasia patients. <i>Biochemical Journal</i> , 2015 , 472, 55-69	3.8	11
39	Characterization of gap junction proteins in the bladder of Cx43 mutant mouse models of oculodentodigital dysplasia. <i>Journal of Membrane Biology</i> , 2012 , 245, 345-55	2.3	11
38	Ocular pathology relevant to glaucoma in a Gja1(Jrt/+) mouse model of human oculodentodigital dysplasia 2011 , 52, 3539-47		11
37	Loss of gap junction plaques and inhibition of intercellular communication in ilimaquinone-treated BICR-M1Rk and NRK cells. <i>Journal of Membrane Biology</i> , 1997 , 155, 275-87	2.3	11
36	Loss of Panx1 Impairs Mammary Gland Development at Lactation: Implications for Breast Tumorigenesis. <i>PLoS ONE</i> , 2016 , 11, e0154162	3.7	11
35	Myogenic bladder defects in mouse models of human oculodentodigital dysplasia. <i>Biochemical Journal</i> , 2014 , 457, 441-9	3.8	10
34	Induction of cell death and gain-of-function properties of connexin26 mutants predict severity of skin disorders and hearing loss. <i>Journal of Biological Chemistry</i> , 2017 , 292, 9721-9732	5.4	9
33	CELLULAR SMALL TALK. <i>Scientific American</i> , 2015 , 312, 70-7	0.5	9
32	Antibody perturbation analysis of gap-junction permeability in rat cardiac myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1993 , 422, 449-57	4.6	9
31	Mammary gland specific knockdown of the physiological surge in Cx26 during lactation retains normal mammary gland development and function. <i>PLoS ONE</i> , 2014 , 9, e101546	3.7	9
30	Involvement of the Gap Junction Protein, Connexin43, in the Formation and Function of Invadopodia in the Human U251 Glioblastoma Cell Line. <i>Cells</i> , 2020 , 9,	7.9	8
29	The cellular life of pannexins. <i>Environmental Sciences Europe</i> , 2012 , 1, 621-632	5	8
28	Differentiation of organotypic epidermis in the presence of skin disease-linked dominant-negative Cx26 mutants and knockdown Cx26. <i>Journal of Membrane Biology</i> , 2007 , 217, 93-104	2.3	8
27	Maize Mesocotyl Plasmodesmata Proteins Cross-React with Connexin Gap Junction Protein Antibodies. <i>Plant Cell</i> , 1991 , 3, 407	11.6	8
26	Dynamic regulation of connexins in stem cell pluripotency. <i>Stem Cells</i> , 2020 , 38, 52-66	5.8	8
25	Mutations Linked to Hearing Loss Exhibit Differential Trafficking and Functional Defects as Revealed in Cochlear-Relevant Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 215	5.7	7
24	Disease-linked connexin26 S17F promotes volar skin abnormalities and mild wound healing defects in mice. <i>Cell Death and Disease</i> , 2017 , 8, e2845	9.8	6

23	Connexin43 is Dispensable for Early Stage Human Mesenchymal Stem Cell Adipogenic Differentiation But is Protective against Cell Senescence. <i>Biomolecules</i> , 2019 , 9,	5.9	6
22	Mice harbouring an oculodentodigital dysplasia-linked Cx43 G60S mutation have severe hearing loss. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	6
21	Dynamin 2 interacts with connexin 26 to regulate its degradation and function in gap junction formation. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 55, 288-97	5.6	6
20	Expression and imaging of connexin-GFP chimeras in live mammalian cells. <i>Methods in Molecular Biology</i> , 2001 , 154, 135-42	1.4	6
19	The connexin 30 A88V mutant reduces cochlear gap junction expression and confers long-term protection against hearing loss. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	5
18	Cellular mechanisms of connexin-based inherited diseases. <i>Trends in Cell Biology</i> , 2021 ,	18.3	5
17	Ablation of both Cx40 and Panx1 results in similar cardiovascular phenotypes exhibited in Cx40 knockout mice. <i>Bioscience Reports</i> , 2019 , 39,	4.1	4
16	Critical Role of Cx40 in Reduced Endothelial Electrical Coupling by Lipopolysaccharide and Hypoxia-Reoxygenation. <i>Journal of Vascular Research</i> , 2015 , 52, 396-403	1.9	4
15	Optical and biochemical dissection of connexin and disease-linked connexin mutants in 3D organotypic epidermis. <i>Methods in Molecular Biology</i> , 2010 , 585, 313-34	1.4	4
14	Destination and consequences of Panx1 and mutant expression in polarized MDCK cells. <i>Experimental Cell Research</i> , 2019 , 381, 235-247	4.2	3
13	Effects of reduced connexin43 function on skull development in the Cx43 mutant mouse that models oculodentodigital dysplasia. <i>Bone</i> , 2020 , 136, 115365	4.7	3
12	Comparative Analysis of Cx31 and Cx43 in Differentiation-Competent Rodent Keratinocytes. <i>Biomolecules</i> , 2020 , 10,	5.9	2
11	Pannexin biology and emerging linkages to cancer. <i>Trends in Cancer</i> , 2021 , 7, 1119-1131	12.5	2
10	2005 International Gap Junction Conference Overview. <i>Cell Communication and Adhesion</i> , 2005 , 12, 73-84		1
9	Anchorage of gap junctions studied by confocal microscopy.. <i>Acta Histochemica Et Cytochemica</i> , 1992 , 25, 87-90	1.9	1
8	Functional Characterization of a GJA1 Frameshift Mutation Causing Oculodentodigital Dysplasia and Palmoplantar Keratoderma. <i>Journal of Biological Chemistry</i> , 2006 , 281, 31801-31811	5.4	1
7	Identification of intermediate forms of connexin43 in rat cardiac myocytes 1993 , 263-268		1
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