

Dale W Laird

List of Publications by Year in descending order

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171
papers

13,633
citations

19655

61
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22829

112
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179
all docs

179
docs citations

179
times ranked

9423
citing authors

#	ARTICLE	IF	CITATIONS
1	Pannexin 1 channels mediate α -find-me TM signal release and membrane permeability during apoptosis. <i>Nature</i> , 2010, 467, 863-867.	27.8	929
2	Multicolor and Electron Microscopic Imaging of Connexin Trafficking. <i>Science</i> , 2002, 296, 503-507.	12.6	878
3	Life cycle of connexins in health and disease. <i>Biochemical Journal</i> , 2006, 394, 527-543.	3.7	703
4	Turnover and phosphorylation dynamics of connexin43 gap junction protein in cultured cardiac myocytes. <i>Biochemical Journal</i> , 1991, 273, 67-72.	3.7	441
5	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, 3772-3783.	2.0	369
6	Inhibition of gap junction and adherens junction assembly by connexin and A-CAM antibodies.. <i>Journal of Cell Biology</i> , 1992, 119, 179-189.	5.2	332
7	The biochemistry and function of pannexin channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 15-22.	2.6	332
8	Pannexin channels are not gap junction hemichannels. <i>Channels</i> , 2011, 5, 193-197.	2.8	305
9	Implications and challenges of connexin connections to cancer. <i>Nature Reviews Cancer</i> , 2010, 10, 435-441.	28.4	275
10	Gap junctions and cancer: communicating for 50 years. <i>Nature Reviews Cancer</i> , 2016, 16, 775-788.	28.4	275
11	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, 2556-2561.	7.1	249
12	Connexin phosphorylation as a regulatory event linked to gap junction internalization and degradation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1711, 172-182.	2.6	246
13	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	2.8	239
14	The gap junction proteome and its relationship to disease. <i>Trends in Cell Biology</i> , 2010, 20, 92-101.	7.9	238
15	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, 1193-1203.	5.2	227
16	A Gja1 missense mutation in a mouse model of oculodentodigital dysplasia. <i>Development (Cambridge)</i> , 2005, 132, 4375-4386.	2.5	211
17	Trafficking, Assembly, and Function of a Connexin43-Green Fluorescent Protein Chimera in Live Mammalian Cells. <i>Molecular Biology of the Cell</i> , 1999, 10, 2033-2050.	2.1	195
18	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. <i>Pharmacological Reviews</i> , 2017, 69, 396-478.	16.0	191

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19	Connexins Act as Tumor Suppressors in Three-dimensional Mammary Cell Organoids by Regulating Differentiation and Angiogenesis. <i>Cancer Research</i> , 2006, 66, 9886-9894.	0.9	190
20	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, 29132-29138.	3.4	187
21	Rho Signaling Regulates Pannexin 1-mediated ATP Release from Airway Epithelia. <i>Journal of Biological Chemistry</i> , 2011, 286, 26277-26286.	3.4	182
22	Glycosylation Regulates Pannexin Intermixing and Cellular Localization. <i>Molecular Biology of the Cell</i> , 2009, 20, 4313-4323.	2.1	173
23	The life cycle of a connexin: Gap junction formation, removal, and degradation. <i>Journal of Bioenergetics and Biomembranes</i> , 1996, 28, 311-318.	2.3	172
24	Pannexin1 Regulates α 1-Adrenergic Receptor Mediated Vasoconstriction. <i>Circulation Research</i> , 2011, 109, 80-85.	4.5	164
25	Therapeutic strategies targeting connexins. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 905-921.	46.4	143
26	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, 30005-30014.	3.4	136
27	Down-regulation of Cx43 by Retroviral Delivery of Small Interfering RNA Promotes an Aggressive Breast Cancer Cell Phenotype. <i>Cancer Research</i> , 2005, 65, 2705-2711.	0.9	125
28	Syndromic and non-syndromic disease-linked Cx43 mutations. <i>FEBS Letters</i> , 2014, 588, 1339-1348.	2.8	119
29	Mechanisms of Cx43 and Cx26 transport to the plasma membrane and gap junction regeneration. <i>Journal of Cell Science</i> , 2005, 118, 4451-4462.	2.0	114
30	Caveolin-1 and -2 Interact with Connexin43 and Regulate Gap Junctional Intercellular Communication in Keratinocytes. <i>Molecular Biology of the Cell</i> , 2008, 19, 912-928.	2.1	110
31	Pannexin channels and their links to human disease. <i>Biochemical Journal</i> , 2014, 461, 371-381.	3.7	109
32	Oculodentodigital Dysplasia-causing Connexin43 Mutants Are Non-functional and Exhibit Dominant Effects on Wild-type Connexin43. <i>Journal of Biological Chemistry</i> , 2005, 280, 11458-11466.	3.4	106
33	Next-Generation Connexin and Pannexin Cell Biology. <i>Trends in Cell Biology</i> , 2016, 26, 944-955.	7.9	105
34	Selective assembly of connexin37 into heterocellular gap junctions at the oocyte/granulosa cell interface. <i>Journal of Cell Science</i> , 2004, 117, 2699-2707.	2.0	100
35	Implications of pannexin 1 and pannexin 3 for keratinocyte differentiation. <i>Journal of Cell Science</i> , 2010, 123, 1363-1372.	2.0	100
36	Connexin 43 mediated gap junctional communication enhances breast tumor cell diapedesis in culture. <i>Breast Cancer Research</i> , 2005, 7, R522-34.	5.0	99

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37	Connexins and Gap Junctions in Mammary Gland Development and Breast Cancer Progression. <i>Journal of Membrane Biology</i> , 2007, 218, 107-121.	2.1	95
38	Pannexin1 and Pannexin3 Delivery, Cell Surface Dynamics, and Cytoskeletal Interactions. <i>Journal of Biological Chemistry</i> , 2010, 285, 9147-9160.	3.4	94
39	Cellular Immunolocalization of Occludin during Embryonic and Postnatal Development of the Mouse Testis and Epididymis*. <i>Endocrinology</i> , 1999, 140, 3815-3825.	2.8	93
40	Expression of Pannexin Isoforms in the Systemic Murine Arterial Network. <i>Journal of Vascular Research</i> , 2012, 49, 405-416.	1.4	91
41	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, 2911-2922.	2.8	90
42	S-Nitrosylation Inhibits Pannexin 1 Channel Function. <i>Journal of Biological Chemistry</i> , 2012, 287, 39602-39612.	3.4	89
43	Loss of Pannexin 1 Attenuates Melanoma Progression by Reversion to a Melanocytic Phenotype. <i>Journal of Biological Chemistry</i> , 2012, 287, 29184-29193.	3.4	88
44	Cx43 suppresses mammary tumor metastasis to the lung in a Cx43 mutant mouse model of human disease. <i>Oncogene</i> , 2011, 30, 1681-1692.	5.9	85
45	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, 203-210.	5.2	84
46	Regulation of FAS Ligand Expression during Activation-Induced Cell Death in T Cells by p38 Mitogen-Activated Protein Kinase and C-Jun N-terminal Kinase. <i>Journal of Experimental Medicine</i> , 2000, 191, 1017-1030.	8.5	79
47	Functional Domain Mapping and Selective Trans-dominant Effects Exhibited by Cx26 Disease-causing Mutations. <i>Journal of Biological Chemistry</i> , 2004, 279, 19157-19168.	3.4	77
48	Trapping an Intermediate Form of Connexin43 in the Golgi. <i>Experimental Cell Research</i> , 1993, 206, 85-92.	2.6	76
49	Gap Junctions Assemble in the Presence of Cytoskeletal Inhibitors, but Enhanced Assembly Requires Microtubules. <i>Experimental Cell Research</i> , 2002, 275, 67-80.	2.6	73
50	Evaluation of Mammary Gland Development and Function in Mouse Models. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	73
51	Mechanisms linking connexin mutations to human diseases. <i>Cell and Tissue Research</i> , 2015, 360, 701-721.	2.9	73
52	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.	3.4	73
53	Connexins and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029348.	5.5	73
54	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.	3.4	72

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55	Diverse Subcellular Distribution Profiles of Pannexin1 and Pannexin3. <i>Cell Communication and Adhesion</i> , 2008, 15, 133-142.	1.0	71
56	Neuronal Differentiation and Growth Control of Neuro-2a Cells After Retroviral Gene Delivery of Connexin43. <i>Journal of Biological Chemistry</i> , 2000, 275, 34407-34414.	3.4	67
57	Functional Characterization of Oculodentodigital Dysplasia-Associated Cx43 Mutants. <i>Cell Communication and Adhesion</i> , 2005, 12, 279-292.	1.0	67
58	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.	0.7	66
59	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.	3.4	65
60	Functional Characterization of aGJA1Frameshift Mutation Causing Oculodentodigital Dysplasia and Palmoplantar Keratoderma. <i>Journal of Biological Chemistry</i> , 2006, 281, 31801-31811.	3.4	63
61	The Tumor-Suppressive Function of Connexin43 in Keratinocytes Is Mediated in Part via Interaction with Caveolin-1. <i>Cancer Research</i> , 2010, 70, 4222-4232.	0.9	63
62	Differential Potency of Dominant Negative Connexin43 Mutants in Oculodentodigital Dysplasia. <i>Journal of Biological Chemistry</i> , 2007, 282, 19190-19202.	3.4	62
63	Connexin Levels Regulate Keratinocyte Differentiation in the Epidermis. <i>Journal of Biological Chemistry</i> , 2007, 282, 30171-30180.	3.4	61
64	Cx26 inhibits breast MDA-MB-435 cell tumorigenic properties by a gap junctional intercellular communication-independent mechanism. <i>Carcinogenesis</i> , 2006, 27, 2528-2537.	2.8	57
65	The Protective Effect of Functional Connexin43 Channels on a Human Epithelial Cell Line Exposed to Oxidative Stress. , 2008, 49, 800.		56
66	Gap Junction Remodeling in Skin Repair Following Wounding and Disease. <i>Physiology</i> , 2013, 28, 190-198.	3.1	56
67	Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. <i>Carcinogenesis</i> , 2015, 36, S2-S18.	2.8	55
68	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, 928-938.	2.8	53
69	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, 124-138.	2.0	53
70	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.	1.0	53
71	Deletion of Panx3 Prevents the Development of Surgically Induced Osteoarthritis. <i>Journal of Molecular Medicine</i> , 2015, 93, 845-856.	3.9	53
72	Sodium Channel Distribution Within the Rabbit Atrioventricular Node as Analysed by Confocal Microscopy. <i>Journal of Physiology</i> , 1997, 501, 263-274.	2.9	50

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73	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, 312-322.	2.0	50
74	Immunolocalization of serum amyloid A and AA amyloid in lysosomes in murine monocytoïd cells: Confocal and immunogold electron microscopic studies. <i>Journal of Pathology</i> , 1994, 173, 361-369.	4.5	48
75	Role of Cytoskeletal Elements in the Recruitment of Cx43-GFP and Cx26-YFP into Gap Junctions. <i>Cell Communication and Adhesion</i> , 2001, 8, 231-236.	1.0	46
76	A Dominant Loss-of-Function GJA1 (Cx43) Mutant Impairs Parturition in the Mouse ¹ . <i>Biology of Reproduction</i> , 2009, 80, 1099-1106.	2.7	46
77	A histone deacetylation-dependent mechanism for transcriptional repression of the gap junction gene <i>cx43</i> in prostate cancer cells. <i>Prostate</i> , 2006, 66, 1151-1161.	2.3	43
78	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, 1751-1764.	2.0	43
79	Fate of connexin43 in cardiac tissue harbouring a disease-linked connexin43 mutant. <i>Cardiovascular Research</i> , 2008, 80, 385-395.	3.8	42
80	SnapShot: Connexins and Disease. <i>Cell</i> , 2017, 170, 1260-1260.e1.	28.9	42
81	Decreased levels of Cx43 gap junctions result in ameloblast dysregulation and enamel hypoplasia in <i>Cx43^{Jrt}/+</i> mice. <i>Journal of Cellular Physiology</i> , 2010, 223, 601-609.	4.1	41
82	Structure and functional studies of N-terminal Cx43 mutants linked to oculodentodigital dysplasia. <i>Molecular Biology of the Cell</i> , 2012, 23, 3312-3321.	2.1	41
83	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, 401-413.	3.7	41
84	Cx43 has distinct mobility within plasma-membrane domains, indicative of progressive formation of gap-junction plaques. <i>Journal of Cell Science</i> , 2009, 122, 554-562.	2.0	40
85	Connexin43 Reduces Melanoma Growth within a Keratinocyte Microenvironment and during Tumorigenesis in Vivo. <i>Journal of Biological Chemistry</i> , 2014, 289, 1592-1603.	3.4	39
86	Connexin expression and gap junction communication compartments in the developing mouse limb. <i>Developmental Dynamics</i> , 1992, 195, 153-161.	1.8	38
87	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, 458-470.	2.0	38
88	Human dermal fibroblasts derived from oculodentodigital dysplasia patients suggest that patients may have wound-healing defects. <i>Human Mutation</i> , 2011, 32, 456-466.	2.5	38
89	Connexin Hemichannels: Methods for Dye Uptake and Leakage. <i>Journal of Membrane Biology</i> , 2016, 249, 713-741.	2.1	36
90	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, 1119-1135.	1.6	35

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91	Functional role of a polymorphism in the Pannexin1 gene in collageninduced platelet aggregation. <i>Thrombosis and Haemostasis</i> , 2015, 114, 325-336.	3.4	34
92	Single-cell dynamics of pannexin-1-facilitated programmed ATP loss during apoptosis. <i>ELife</i> , 2020, 9, .	6.0	34
93	Zebrafish early cardiac connexin, Cx36.7/Ecx, regulates myofibril orientation and heart morphogenesis by establishing <i>Nkx2.5</i> expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4763-4768.	7.1	33
94	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, 27639-27653.	3.4	33
95	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, 387-393.	1.0	32
96	β 3 integrins facilitate matrix interactions during transendothelial migration of PC3 prostate tumor cells. <i>Prostate</i> , 2005, 63, 65-80.	2.3	32
97	Autosomal recessive GJA1 (Cx43) gene mutations cause oculodentodigital dysplasia by distinct mechanisms. <i>Journal of Cell Science</i> , 2013, 126, 2857-66.	2.0	31
98	Differential effects of pannexins on noise-induced hearing loss. <i>Biochemical Journal</i> , 2016, 473, 4665-4680.	3.7	31
99	Global deletion of <i>Panx3</i> produces multiple phenotypic effects in mouse humeri and femora. <i>Journal of Anatomy</i> , 2016, 228, 746-756.	1.5	30
100	Role of HSP90 in mediating cross-talk between the estrogen receptor and the Ah receptor signal transduction pathways. <i>Biochemical Pharmacology</i> , 1999, 58, 1395-1403.	4.4	29
101	Comparative analysis and application of fluorescent protein-tagged connexins. <i>Microscopy Research and Technique</i> , 2001, 52, 263-272.	2.2	29
102	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 Unchanged1. <i>Biology of Reproduction</i> , 2010, 82, 837-847.	2.7	28
103	Cellular Immunolocalization of Occludin during Embryonic and Postnatal Development of the Mouse Testis and Epididymis. <i>Endocrinology</i> , 1999, 140, 3815-3825.	2.8	28
104	Role of connexins and pannexins during ontogeny, regeneration, and pathologies of bone. <i>BMC Cell Biology</i> , 2016, 17, 19.	3.0	27
105	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, 219-230.	1.0	26
106	Diverse post-translational modifications of the pannexin family of channel-forming proteins. <i>Channels</i> , 2014, 8, 124-130.	2.8	26
107	An update on minding the gap in cancer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 237-243.	2.6	26
108	Connexin43 Mutant Patient-Derived Induced Pluripotent Stem Cells Exhibit Altered Differentiation Potential. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1368-1385.	2.8	24

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109	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, 473-483.	3.7	23
110	Connexins in skeletal muscle development and disease. <i>Seminars in Cell and Developmental Biology</i> , 2016, 50, 67-73.	5.0	23
111	Cx26 knockout predisposes the mammary gland to primary mammary tumors in a DMBA-induced mouse model of breast cancer. <i>Oncotarget</i> , 2015, 6, 37185-37199.	1.8	23
112	The G60S Cx43 mutant enhances keratinocyte proliferation and differentiation. <i>Experimental Dermatology</i> , 2012, 21, 612-618.	2.9	21
113	Regulation of the gap junction connexin 43 gene by androgens in the prostate. <i>Journal of Molecular Endocrinology</i> , 2001, 26, 1-10.	2.5	20
114	Transport and Function of Cx26 Mutants Involved in Skin and Deafness Disorders. <i>Cell Communication and Adhesion</i> , 2003, 10, 353-358.	1.0	20
115	Oogenesis defects in a mutant mouse model of oculodentodigital dysplasia. <i>DMM Disease Models and Mechanisms</i> , 2009, 2, 157-167.	2.4	20
116	Hypoxia and reoxygenation-induced oxidant production increase in microvascular endothelial cells depends on connexin40. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1008-1013.	2.9	20
117	An endoplasmic reticulum-retained atrial fibrillation-linked connexin40 mutant impairs atrial gap junction channel function. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 561-9.	2.4	20
118	Specific functional pathologies of Cx43 mutations associated with oculodentodigital dysplasia. <i>Molecular Biology of the Cell</i> , 2016, 27, 2172-2185.	2.1	20
119	Aberrant Cx43 Expression and Mislocalization in Metastatic Human Melanomas. <i>Journal of Cancer</i> , 2017, 8, 1123-1128.	2.5	20
120	Cellular mechanisms of connexin-based inherited diseases. <i>Trends in Cell Biology</i> , 2022, 32, 58-69.	7.9	19
121	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.	3.0	18
122	Pannexin biology and emerging linkages to cancer. <i>Trends in Cancer</i> , 2021, 7, 1119-1131.	7.4	18
123	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, 775-783.	2.6	17
124	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, 2197-2204.	0.7	17
125	The effect of connexin43 on the level of vascular endothelial growth factor in human retinal pigment epithelial cells. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 515-522.	1.9	17
126	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, 433-439.	1.0	16

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127	Cx30 exhibits unique characteristics including a long half-life when assembled into gap junctions. <i>Journal of Cell Science</i> , 2015, 128, 3947-60.	2.0	16
128	Quiescent mammary epithelial cells have reduced connexin43 but maintain a high level of gap junction intercellular communication. , 1999, 24, 111-122.		15
129	Insights into the role of connexins in mammary gland morphogenesis and function. <i>Reproduction</i> , 2015, 149, R279-R290.	2.6	15
130	Loss of Panx1 Impairs Mammary Gland Development at Lactation: Implications for Breast Tumorigenesis. <i>PLoS ONE</i> , 2016, 11, e0154162.	2.5	15
131	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.	3.4	15
132	Maize Mesocotyl Plasmodesmata Proteins Cross-React with Connexin Gap Junction Protein Antibodies. <i>Plant Cell</i> , 1991, 3, 407.	6.6	14
133	Characterization of Gap Junction Proteins in the Bladder of Cx43 Mutant Mouse Models of Oculodentodigital Dysplasia. <i>Journal of Membrane Biology</i> , 2012, 245, 345-355.	2.1	14
134	Dynamic regulation of connexins in stem cell pluripotency. <i>Stem Cells</i> , 2020, 38, 52-66.	3.2	14
135	GJB2 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.	3.7	14
136	Ocular Pathology Relevant to Glaucoma in a <i>Gja1</i> ^{+/+} <i>Jrt</i> ⁺ Mouse Model of Human Oculodentodigital Dysplasia. , 2011, 52, 3539.		13
137	Myogenic bladder defects in mouse models of human oculodentodigital dysplasia. <i>Biochemical Journal</i> , 2014, 457, 441-449.	3.7	12
138	Manipulating Cx43 expression triggers gene reprogramming events in dermal fibroblasts from oculodentodigital dysplasia patients. <i>Biochemical Journal</i> , 2015, 472, 55-69.	3.7	12
139	Connexin43 is Dispensable for Early Stage Human Mesenchymal Stem Cell Adipogenic Differentiation But is Protective against Cell Senescence. <i>Biomolecules</i> , 2019, 9, 474.	4.0	12
140	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, 117.	4.1	12
141	Loss of Gap Junction Plaques and Inhibition of Intercellular Communication in Ilimaquinone-treated BICR-M1R ^k and NRK Cells. <i>Journal of Membrane Biology</i> , 1997, 155, 275-287.	2.1	11
142	Cellular Small Talk. <i>Scientific American</i> , 2015, 312, 70-77.	1.0	11
143	The connexin30 A88V mutant reduces cochlear gap junction expression and confers long-term protection against hearing loss. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	11
144	Antibody perturbation analysis of gap-junction permeability in rat cardiac myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1993, 422, 449-457.	2.8	10

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145	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.	2.1	10
146	The cellular life of pannexins. <i>Environmental Sciences Europe</i> , 2012, 1, 621-632.	5.5	10
147	Mice harbouring an oculodentodigital dysplasia-linked Cx43 G60S mutation have severe hearing loss. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	10
148	Comparative Analysis of Cx31 and Cx43 in Differentiation-Competent Rodent Keratinocytes. <i>Biomolecules</i> , 2020, 10, 1443.	4.0	9
149	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.	2.5	9
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