Gap junction adhesion is necessary for radial migration

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Citation Report

#	Article	IF	CITATIONS
1	Gap junctions as electrical synapses. Journal of Neurocytology, 1997, 26, 349-366.	1.6	181
2	Funding of Stem Cell Research Quickens Despite Conflicting State and Federal Actions. Neurology Today: an Official Publication of the American Academy of Neurology, 2007, 7, 28.	0.0	0
3	Stick with gap junctions. Journal of Cell Biology, 2007, 178, 1097-1097.	2.3	0
4	β1 Integrins in Radial Clia But Not in Migrating Neurons Are Essential for the Formation of Cell Layers in the Cerebral Cortex. Journal of Neuroscience, 2007, 27, 13854-13865.	1.7	118
6	Gap Junctions Couple Astrocytes and Oligodendrocytes. Journal of Molecular Neuroscience, 2008, 35, 101-116.	1.1	201
7	Connexons and cell adhesion: a romantic phase. Histochemistry and Cell Biology, 2008, 130, 71-77.	0.8	64
8	Adhesive properties of connexin hemichannels. Glia, 2008, 56, 1791-1798.	2.5	93
9	Dynamic ATP signalling and neural development. Journal of Physiology, 2008, 586, 2429-2436.	1.3	70
10	High-content analysis in neuroscience. Nature Reviews Neuroscience, 2008, 9, 779-788.	4.9	82
11	Clial connexins and gap junctions in CNS inflammation and disease. Journal of Neurochemistry, 2008, 106, 1000-1016.	2.1	125
12	Heterocellular interaction enhances recruitment of α and β-catenins and ZO-2 into functional gap-junction complexes and induces gap junction-dependant differentiation of mammary epithelial cells. Experimental Cell Research, 2008, 314, 3275-3291.	1.2	54
13	Comparison of slow and fast neocortical neuron migration using a new in vitromodel. BMC Neuroscience, 2008, 9, 50.	0.8	16
14	Ion fluxes and neurotransmitters signaling in neural development. Current Opinion in Neurobiology, 2008, 18, 232-236.	2.0	11
15	The neural stem cell microenvironment. Stembook, 2008, , .	0.3	18
16	Expression of connexin30.2 in interneurons of the central nervous system in the mouse. Molecular and Cellular Neurosciences, 2008, 37, 119-134.	1.0	58
17	Postnatal development of the organ of Corti in dominant-negative Gjb2 transgenic mice. Neuroscience, 2008, 156, 1039-1047.	1.1	55
18	A mechanism for inside-out lamination in the neocortex. Trends in Neurosciences, 2008, 31, 113-119.	4.2	181
19	Gap junctions: multifaceted regulators of embryonic cortical development. Trends in Neurosciences, 2008, 31, 243-250.	4.2	156

ATION REDO

#	Article	IF	Citations
20	Gap junction communication influences intercellular protein distribution in the lens. Experimental Eye Research, 2008, 86, 966-974.	1.2	12
21	Connexin 43 Delimits Functional Domains of Neurogenic Precursors in the Spinal Cord. Journal of Neuroscience, 2008, 28, 3298-3309.	1.7	48
22	A Role for Endogenous and Radiation-Induced DNA Double-Strand Breaks in p53-Dependent Apoptosis during Cortical Neurogenesis. Radiation Research, 2008, 169, 513-522.	0.7	11
23	Regulation of neural progenitor cell state by ephrin-B. Journal of Cell Biology, 2008, 181, 973-983.	2.3	71
24	Eph/ephrin signaling: networks. Genes and Development, 2008, 22, 416-429.	2.7	258
25	The role of ATP signaling in the migration of intermediate neuronal progenitors to the neocortical subventricular zone. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11802-11807.	3.3	89
26	Functional role of gap junctions in cytokine-induced leukocyte adhesion to endothelium in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1056-H1066.	1.5	45
27	Specific Clial Populations Regulate Hippocampal Morphogenesis. Journal of Neuroscience, 2008, 28, 12328-12340.	1.7	84
28	Immunolocalization of <i>Taenia solium</i> gap junction innexins. Parasitology, 2008, 135, 1125-1131.	0.7	4
29	Subplate cells: amplifiers of neuronal activity in the developing cerebral cortex. Frontiers in Neuroanatomy, 2009, 3, 19.	0.9	90
30	Cross-Talk Between Pulmonary Injury, Oxidant Stress, and Gap Junctional Communication. Antioxidants and Redox Signaling, 2009, 11, 355-367.	2.5	73
31	PKCδ regulates cortical radial migration by stabilizing the Cdk5 activator p35. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21353-21358.	3.3	55
32	A Stem Cell Niche for Intermediate Progenitor Cells of the Embryonic Cortex. Cerebral Cortex, 2009, 19, i70-i77.	1.6	127
33	Gap Junctions. Cold Spring Harbor Perspectives in Biology, 2009, 1, a002576-a002576.	2.3	498
34	Stability of Electrical Coupling despite Massive Developmental Changes of Intrinsic Neuronal Physiology. Journal of Neuroscience, 2009, 29, 9761-9770.	1.7	38
35	ZHX2 Interacts with Ephrin-B and Regulates Neural Progenitor Maintenance in the Developing Cerebral Cortex. Journal of Neuroscience, 2009, 29, 7404-7412.	1.7	43
36	Matricellular Protein CCN3 (NOV) Regulates Actin Cytoskeleton Reorganization. Journal of Biological Chemistry, 2009, 284, 29935-29944.	1.6	31
37	Three Patterns of Oscillatory Activity Differentially Synchronize Developing Neocortical Networks In Vivo. Journal of Neuroscience, 2009, 29, 9011-9025.	1.7	251

	CITATION	Report	
#	Article	IF	CITATIONS
38	Hereditary spastic paraplegia is a novel phenotype for GJA12/GJC2 mutations. Brain, 2009, 132, 426-438.	3.7	135
39	EphrinB reverse signaling in cell-cell adhesion. Cell Adhesion and Migration, 2009, 3, 250-255.	1.1	20
40	<i>Caenorhabditis elegans</i> Innexins Regulate Active Zone Differentiation. Journal of Neuroscience, 2009, 29, 5207-5217.	1.7	28
41	The rostral migratory stream and olfactory system: smell, disease and slippery cells. Progress in Brain Research, 2009, 175, 33-42.	0.9	17
42	Involvement of the Cytoplasmic C-Terminal Domain of Connexin43 in Neuronal Migration. Journal of Neuroscience, 2009, 29, 2009-2021.	1.7	137
43	Emerging roles for myosin II and cytoplasmic dynein in migrating neurons and growth cones. Trends in Cell Biology, 2009, 19, 347-355.	3.6	128
44	The extracellular matrix controls gap junction protein expression and function in postnatal hippocampal neural progenitor cells. BMC Neuroscience, 2009, 10, 13.	0.8	50
45	C-terminal tagging with eGFP yields new insights into expression of connexin45 but prevents rescue of embryonic lethal connexin45-deficient mice. European Journal of Cell Biology, 2009, 88, 481-494.	1.6	15
46	Proteomic analysis of astroglial connexin43 silencing uncovers a cytoskeletal platform involved in process formation and migration. Glia, 2010, 58, 494-505.	2.5	52
47	Connexins, cell motility, and the cytoskeleton. Cytoskeleton, 2009, 66, 1000-1016.	4.4	79
48	Gap junctions are involved in cell migration in the early postnatal subventricular zone. Developmental Neurobiology, 2009, 69, 715-730.	1.5	43
49	Cortactin/tyrosineâ€phosphorylated cortactin interaction with connexin 43 in mouse seminiferous tubules. Microscopy Research and Technique, 2009, 72, 856-867.	1.2	29
50	The effect of 3-hydroxybutyrate methyl ester on learning and memory in mice. Biomaterials, 2009, 30, 1532-1541.	5.7	60
51	Connexins: a myriad of functions extending beyond assembly of gap junction channels. Cell Communication and Signaling, 2009, 7, 4.	2.7	215
52	Hybrid mathematical model of glioma progression. Cell Proliferation, 2009, 42, 637-646.	2.4	48
53	Tyrosineâ€dependent basolateral targeting of human connexin43–eYFP in Madin–Darby canine kidney cells can be disrupted by the oculodentodigital dysplasia mutation L90V. FEBS Journal, 2009, 276, 6992-7005.	2.2	5
54	Dandyâ€Walker malformation in patients with KID syndrome associated with a heterozygote mutation (p.Asp50Asn) in the <i>GJB2</i> gene encoding connexin 26. Clinical Genetics, 2009, 76, 404-408.	1.0	16
55	Connexin mimetic peptides improve cell migration rates of human epidermal keratinocytes and dermal fibroblasts in vitro. Wound Repair and Regeneration, 2009, 17, 240-249.	1.5	101

#	Article	IF	CITATIONS
56	Postnatal Neurogenesis: From Neuroblast Migration to Integration into Mature Circuits. Reviews in the Neurosciences, 2009, 20, 331-46.	1.4	34
57	Modulation of Brain Hemichannels and Gap Junction Channels by Pro-Inflammatory Agents and Their Possible Role in Neurodegeneration. Antioxidants and Redox Signaling, 2009, 11, 369-399.	2.5	205
58	Substitution of connexin40 with connexin45 prevents hyperreninemia and attenuates hypertension. Kidney International, 2009, 75, 482-489.	2.6	50
59	The radial glia antibody RC2 recognizes a protein encoded by Nestin. Biochemical and Biophysical Research Communications, 2009, 382, 588-592.	1.0	24
60	Molecular regulation of neuronal migration during neocortical development. Molecular and Cellular Neurosciences, 2009, 42, 11-22.	1.0	61
61	Gap-Junction Proteins in Retinal Development: New Roles for the "Nexus― Physiology, 2009, 24, 219-230.	1.6	17
62	Cadherins and Connexins in Pulmonary Endothelial Function. , 0, , 33-50.		2
63	Gap Junctions and Cancer: New Functions for an Old Story. Antioxidants and Redox Signaling, 2009, 11, 323-338.	2.5	184
64	Oxidized Phospholipid Species Promote in Vivo Differential Cx43 Phosphorylation and Vascular Smooth Muscle Cell Proliferation. American Journal of Pathology, 2009, 175, 916-924.	1.9	68
65	Connexin expression by radial glia-like cells is required for neurogenesis in the adult dentate gyrus. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11336-11341.	3.3	127
66	Stem Cells as Vectors to Deliver HSV/tk Gene Therapy for Malignant Gliomas. Current Stem Cell Research and Therapy, 2009, 4, 44-49.	0.6	43
67	GJC2 Missense Mutations Cause Human Lymphedema. American Journal of Human Genetics, 2010, 86, 943-948.	2.6	141
68	Structural and functional studies of gap junction channels. Current Opinion in Structural Biology, 2010, 20, 423-430.	2.6	63
69	The carboxyl tail of Cx43 augments p38 mediated cell migration in a gap junction-independent manner. European Journal of Cell Biology, 2010, 89, 828-838.	1.6	87
70	Neuronal migration mechanisms in development and disease. Current Opinion in Neurobiology, 2010, 20, 68-78.	2.0	219
71	Pharmacological and genetic approaches to study connexin-mediated channels in glial cells of the central nervous system. Brain Research Reviews, 2010, 63, 160-176.	9.1	124
72	Assisted morphogenesis: glial control of dendrite shapes. Current Opinion in Cell Biology, 2010, 22, 560-565.	2.6	22
73	The carboxyâ€ŧerminal tail of connexin43 gap junction protein is sufficient to mediate cytoskeleton changes in human glioma cells. Journal of Cellular Biochemistry, 2010, 110, 589-597.	1.2	77

#	Article	IF	CITATIONS
74	Long chainâ€polyunsaturated fatty acids modulate membrane phospholipid composition and protein localization in lipid rafts of neural stem cell cultures. Journal of Cellular Biochemistry, 2010, 110, 1356-1364.	1.2	58
75	Essential Role of PDZ-RGS3 in the Maintenance of Neural Progenitor Cells. Stem Cells, 2010, 28, 1602-1610.	1.4	25
76	Astroglial networks: a step further in neuroglial and gliovascular interactions. Nature Reviews Neuroscience, 2010, 11, 87-99.	4.9	652
77	Connexin hemichannel-mediated CO ₂ -dependent release of ATP in the medulla oblongata contributes to central respiratory chemosensitivity. Journal of Physiology, 2010, 588, 3901-3920.	1.3	200
78	Implications and challenges of connexin connections to cancer. Nature Reviews Cancer, 2010, 10, 435-441.	12.8	275
79	Integrin α5β1 is necessary for regulation of radial migration of cortical neurons during mouse brain development. European Journal of Neuroscience, 2010, 31, 399-409.	1.2	45
80	Premature expression of KCC2 in embryonic mice perturbs neural development by an ion transportâ€independent mechanism. European Journal of Neuroscience, 2010, 31, 2142-2155.	1.2	64
81	Does cell lineage in the developing cerebral cortex contribute to its columnar organization?. Frontiers in Neuroanatomy, 2010, 4, 26.	0.9	26
82	Astroglial Wiring is Adding Complexity to Neuroglial Networking. Frontiers in Neuroenergetics, 2010, 2, .	5.3	36
83	Siah Regulation of Pard3A Controls Neuronal Cell Adhesion During Germinal Zone Exit. Science, 2010, 330, 1834-1838.	6.0	92
84	Connexin 43 Mediates the Tangential to Radial Migratory Switch in Ventrally Derived Cortical Interneurons. Journal of Neuroscience, 2010, 30, 7072-7077.	1.7	97
85	Gap Junctions/Hemichannels Modulate Interkinetic Nuclear Migration in the Forebrain Precursors. Journal of Neuroscience, 2010, 30, 4197-4209.	1.7	81
86	The Carboxyl-terminal Domain of Connexin43 Is a Negative Modulator of Neuronal Differentiation. Journal of Biological Chemistry, 2010, 285, 11836-11845.	1.6	43
87	CAMDI, a Novel Disrupted in Schizophrenia 1 (DISC1)-binding Protein, Is Required for Radial Migration*. Journal of Biological Chemistry, 2010, 285, 40554-40561.	1.6	45
88	Estradiol Replacement Alters Expression of Genes Related to Neurotransmission and Immune Surveillance in the Frontal Cortex of Middle-Aged, Ovariectomized Rats. Endocrinology, 2010, 151, 3847-3862.	1.4	43
89	Guiding Neuronal Cell Migrations. Cold Spring Harbor Perspectives in Biology, 2010, 2, a001834-a001834.	2.3	355
90	Gap Junction Expression Is Required for Normal Chemical Synapse Formation. Journal of Neuroscience, 2010, 30, 15277-15285.	1.7	64
91	Glycine Release from Radial Cells Modulates the Spontaneous Activity and Its Propagation during Early Spinal Cord Development. Journal of Neuroscience, 2010, 30, 390-403.	1.7	74

# 92	ARTICLE A dominant connexin43 mutant does not have dominant effects on gap junction coupling in astrocytes. Neuron Glia Biology, 2010, 6, 213-223.	IF 2.0	CITATIONS 6
93	Connexin 43 regulates astrocytic migration and proliferation in response to injury. Neuroscience Letters, 2010, 486, 197-201.	1.0	36
94	Vohwinkel Syndrome secondary to missense mutation D66H in GJB2 gene (connexin 26) can include epileptic manifestations. Seizure: the Journal of the British Epilepsy Association, 2010, 19, 129-131.	0.9	15
95	Division of labor during trunk neural crest development. Developmental Biology, 2010, 344, 555-565.	0.9	67
96	Physiology of Kidney Renin. Physiological Reviews, 2010, 90, 607-673.	13.1	227
97	Characterization of Nonjunctional Hemichannels in Caterpillar Cells. Journal of Insect Science, 2011, 11, 1-17.	0.6	31
98	Connexins: Key Mediators of Endocrine Function. Physiological Reviews, 2011, 91, 1393-1445.	13.1	145
99	Electric Field-Guided Neuron Migration:A Novel Approach in Neurogenesis. Tissue Engineering - Part B: Reviews, 2011, 17, 143-153.	2.5	63
100	Stem Cells & amp; Regenerative Medicine. Pancreatic Islet Biology, 2011, , .	0.1	6
101	A new subtype of progenitor cell in the mouse embryonic neocortex. Nature Neuroscience, 2011, 14, 555-561.	7.1	432
102	Lpd depletion reveals that SRF specifies radial versus tangential migration of pyramidal neurons. Nature Cell Biology, 2011, 13, 989-995.	4.6	37
103	Trafficking of Stem Cells. Methods in Molecular Biology, 2011, 750, 3-24.	0.4	23
104	Prevalence of GJB2 causing recessive profound non-syndromic deafness in Japanese children. International Journal of Pediatric Otorhinolaryngology, 2011, 75, 211-214.	0.4	15
105	Two-Dimensional Kinetics of Inter-Connexin Interactions from Single-Molecule Force Spectroscopy. Journal of Molecular Biology, 2011, 412, 72-79.	2.0	11
106	Reelin, Rap1 and N-cadherin orient the migration of multipolar neurons in the developing neocortex. Nature Neuroscience, 2011, 14, 697-703.	7.1	288
107	Radial glia regulate Cajal–Retzius cell positioning in the early embryonic cerebral cortex. Developmental Biology, 2011, 351, 25-34.	0.9	22
108	Proneural Transcription Factors Regulate Different Steps of Cortical Neuron Migration through Rnd-Mediated Inhibition of RhoA Signaling. Neuron, 2011, 69, 1069-1084.	3.8	196
109	Purinergic signaling in hypothalamic tanycytes: Potential roles in chemosensing. Seminars in Cell and Developmental Biology, 2011, 22, 237-244.	2.3	33

		CITATION REI	PORT	
#	Article		IF	CITATIONS
110	Radial Glia: Progenitor, Pathway, and Partner. Neuroscientist, 2011, 17, 288-302.		2.6	68
111	Cell Contact Accelerates Replicative Senescence of Human Mesenchymal Stem Cells Independe Telomere Shortening and p53 Activation: Roles of Ras and Oxidative Stress. Cell Transplantatio 20, 1209-1220.	nt of n, 2011,	1.2	47
112	Early passage bone marrow stromal cells express genes involved in nervous system developmer supporting their relevance for neural repair. Restorative Neurology and Neuroscience, 2011, 29 187-201.	ıt ,	0.4	5
113	Endocytosis Regulates Cell Soma Translocation and the Distribution of Adhesion Proteins in Migrating Neurons. PLoS ONE, 2011, 6, e17802.		1.1	52
114	Key functions for gap junctions in skin and hearing. Biochemical Journal, 2011, 438, 245-254.		1.7	49
115	Cell Polarity and Migration: Emerging Role for the Endosomal Sorting Machinery. Physiology, 20 171-180.	011, 26,	1.6	29
116	Cellâ€autonomous and cellâ€ŧo•ell signalling events in normal and altered neuronal migratic European Journal of Neuroscience, 2011, 34, 1595-1608.	'n.	1.2	21
117	Connexin 43 mimetic peptide Gap27 reveals potential differences in the role of Cx43 in wound between diabetic and non-diabetic cells. Journal of Cellular and Molecular Medicine, 2011, 15, 8	repair 61-873.	1.6	86
118	Dynamic changes in connexin expression following engraftment of neural stem cells to striatal tissue. Experimental Cell Research, 2011, 317, 70-81.		1.2	14
119	DU-145 prostate carcinoma cells that selectively transmigrate narrow obstacles express elevate levels of Cx43. Cellular and Molecular Biology Letters, 2011, 16, 625-37.	d	2.7	15
120	Cell proliferation and cytoarchitectural remodeling during spinal cord reconnection in the fresh-water turtle Trachemys dorbignyi. Cell and Tissue Research, 2011, 344, 415-433.		1.5	27
121	Structure of the gap junction channel and its implications for its biological functions. Cellular a Molecular Life Sciences, 2011, 68, 1115-1129.	nd	2.4	115
122	Expression and significance of Cx43 and E-cadherin in gastric cancer and metastatic lymph nod Medical Oncology, 2011, 28, 502-508.	es.	1.2	64
123	How neurons migrate: a dynamic in-silico model of neuronal migration in the developing cortex Systems Biology, 2011, 5, 154.	BMC	3.0	21
124	Transcriptome Analysis of Neural Progenitor Cells by a Genetic Dual Reporter Strategy. Stem Ce 2011, 29, 1589-1600.	ells,	1.4	30
125	Connexonâ€mediated cell adhesion drives microtissue selfâ€assembly. FASEB Journal, 2011, 25	, 255-264.	0.2	63
126	Strategies for Analyzing Neuronal Progenitor Development and Neuronal Migration in the Deve Cerebral Cortex. Cerebral Cortex, 2011, 21, 1465-1474.	loping	1.6	15
127	The gap junction protein Cx43 regulates B-lymphocyte spreading and adhesion. Journal of Cell 9 2011, 124, 2611-2621.	Science,	1.2	53

#	Article	IF	CITATIONS
128	Connexin 43 connexon to gap junction transition is regulated by zonula occludens-1. Molecular Biology of the Cell, 2011, 22, 1516-1528.	0.9	252
129	Interplay of Chemical Neurotransmitters Regulates Developmental Increase in Electrical Synapses. Journal of Neuroscience, 2011, 31, 5909-5920.	1.7	48
130	Focal Adhesion Kinase Modulates Radial Glia-Dependent Neuronal Migration through Connexin-26. Journal of Neuroscience, 2011, 31, 11678-11691.	1.7	55
131	Neuronal migration illuminated. Cell Adhesion and Migration, 2011, 5, 42-47.	1.1	19
132	Pathologic and Phenotypic Alterations in a Mouse Expressing a Connexin47 Missense Mutation That Causes Pelizaeus-Merzbacher–Like Disease in Humans. PLoS Genetics, 2011, 7, e1002146.	1.5	65
133	Three-Dimensional Regulation of Radial Clial Functions by Lis1-Nde1 and Dystrophin Glycoprotein Complexes. PLoS Biology, 2011, 9, e1001172.	2.6	36
134	Cell Adhesion and Its Endocytic Regulation in Cell Migration during Neural Development and Cancer Metastasis. International Journal of Molecular Sciences, 2012, 13, 4564-4590.	1.8	121
135	Cooperativity and complementarity: Synergies in non-classical and classical glucocorticoid signaling. Cell Cycle, 2012, 11, 2819-2827.	1.3	46
136	The malignant social network. Cell Adhesion and Migration, 2012, 6, 346-355.	1.1	43
137	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74.	1.5	18
137 138	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74. Wiring through tunneling nanotubes – from electrical signals to organelle transfer. Journal of Cell Science, 2012, 125, 1089-1098.	1.5 1.2	18 297
137 138 139	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74. Wiring through tunneling nanotubes – from electrical signals to organelle transfer. Journal of Cell Science, 2012, 125, 1089-1098. Synergy between Electrical Coupling and Membrane Properties Promotes Strong Synchronization of Neurons of the Mesencephalic Trigeminal Nucleus. Journal of Neuroscience, 2012, 32, 4341-4359.	1.5 1.2 1.7	18 297 107
137 138 139 140	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74. Wiring through tunneling nanotubes – from electrical signals to organelle transfer. Journal of Cell Science, 2012, 125, 1089-1098. Synergy between Electrical Coupling and Membrane Properties Promotes Strong Synchronization of Neurons of the Mesencephalic Trigeminal Nucleus. Journal of Neuroscience, 2012, 32, 4341-4359. Gap-Junctional Coupling of Mammalian Rod Photoreceptors and Its Effect on Visual Detection. Journal of Neuroscience, 2012, 32, 3552-3562.	1.5 1.2 1.7 1.7	18 297 107 29
137 138 139 140	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74. Wiring through tunneling nanotubes – from electrical signals to organelle transfer. Journal of Cell Science, 2012, 125, 1089-1098. Synergy between Electrical Coupling and Membrane Properties Promotes Strong Synchronization of Neurons of the Mesencephalic Trigeminal Nucleus. Journal of Neuroscience, 2012, 32, 4341-4359. Gap-Junctional Coupling of Mammalian Rod Photoreceptors and Its Effect on Visual Detection. Journal of Neuroscience, 2012, 32, 3552-3562. Early Postnatal Migration and Development of Layer II Pyramidal Neurons in the Rodent Cingulate/Retrosplenial Cortex. Cerebral Cortex, 2012, 22, 144-157.	1.5 1.2 1.7 1.7 1.6	18 297 107 29 17
 137 138 139 140 141 142 	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74. Wiring through tunneling nanotubes – from electrical signals to organelle transfer. Journal of Cell Science, 2012, 125, 1089-1098. Synergy between Electrical Coupling and Membrane Properties Promotes Strong Synchronization of Neurons of the Mesencephalic Trigeminal Nucleus. Journal of Neuroscience, 2012, 32, 4341-4359. Gap-Junctional Coupling of Mammalian Rod Photoreceptors and Its Effect on Visual Detection. Journal of Neuroscience, 2012, 32, 3552-3562. Early Postnatal Migration and Development of Layer II Pyramidal Neurons in the Rodent Cingulate/Retrosplenial Cortex. Cerebral Cortex, 2012, 22, 144-157. Connexin45 modulates the proliferation of transit-amplifying precursor cells in the mouse subventricular zone. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20107-20112.	1.5 1.2 1.7 1.7 1.6 3.3	18 297 107 29 17 29
 137 138 139 140 141 142 143 	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74. Wiring through tunneling nanotubes â€" from electrical signals to organelle transfer. Journal of Cell Science, 2012, 125, 1089-1098. Synergy between Electrical Coupling and Membrane Properties Promotes Strong Synchronization of Neurons of the Mesencephalic Trigeminal Nucleus. Journal of Neuroscience, 2012, 32, 4341-4359. Gap-Junctional Coupling of Mammalian Rod Photoreceptors and Its Effect on Visual Detection. Journal of Neuroscience, 2012, 32, 3552-3562. Early Postnatal Migration and Development of Layer II Pyramidal Neurons in the Rodent Cingulate/Retrosplenial Cortex. Cerebral Cortex, 2012, 22, 144-157. Connexin45 modulates the proliferation of transit-amplifying precursor cells in the mouse subventricular zone. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20107-20112. Robo4 Regulates the Radial Migration of Newborn Neurons in Developing Neocortex. Cerebral Cortex, 2012, 22, 2587-2601.	1.5 1.2 1.7 1.7 1.6 3.3	18 297 107 29 17 29 39
 137 138 139 140 141 142 143 144 	Ion channels in postnatal neurogenesis. Channels, 2012, 6, 69-74. Wiring through tunneling nanotubes – from electrical signals to organelle transfer. Journal of Cell Science, 2012, 125, 1089-1098. Synergy between Electrical Coupling and Membrane Properties Promotes Strong Synchronization of Neurons of the Mesencephalic Trigeminal Nucleus. Journal of Neuroscience, 2012, 32, 4341-4359. Gap-Junctional Coupling of Mammalian Rod Photoreceptors and Its Effect on Visual Detection. Journal of Neuroscience, 2012, 32, 3552-3562. Early Postnatal Migration and Development of Layer II Pyramidal Neurons in the Rodent Cingulate/Retrosplenial Cortex. Cerebral Cortex, 2012, 22, 144-157. Connexin45 modulates the proliferation of transit-amplifying precursor cells in the mouse subventricular zone. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20107-20112. Robo4 Regulates the Radial Migration of Newborn Neurons in Developing Neocortex. Cerebral Cortex, 2012, 22, 2587-2601. Large Pore Ion and Metabolite-Permeable Channel Regulation of Postnatal Ventricular Zone Neural Stem and Progenitor Cells: Interplay between Aquaporins, Connexins, and Pannexins?. Stem Cells International, 2012, 2012, 1-9.	 1.5 1.2 1.7 1.6 3.3 1.6 1.2 	18 297 107 29 17 29 39 39 7

#	Article	IF	CITATIONS
146	Connexin 43 controls the multipolar phase of neuronal migration to the cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8280-8285.	3.3	58
147	Connexin-43 in the osteogenic BM niche regulates its cellular composition and the bidirectional traffic of hematopoietic stem cells and progenitors. Blood, 2012, 119, 5144-5154.	0.6	82
148	The Role of Gap Junction Channels During Physiologic and Pathologic Conditions of the Human Central Nervous System. Journal of NeuroImmune Pharmacology, 2012, 7, 499-518.	2.1	110
149	MEC-17 Deficiency Leads to Reduced α-Tubulin Acetylation and Impaired Migration of Cortical Neurons. Journal of Neuroscience, 2012, 32, 12673-12683.	1.7	68
150	Subventricular Zone-Derived Neuroblasts Use Vasculature as a Scaffold to Migrate Radially to the Cortex in Neonatal Mice. Cerebral Cortex, 2012, 22, 2285-2296.	1.6	58
151	POSH Localizes Activated Rac1 to Control the Formation of Cytoplasmic Dilation of the Leading Process and Neuronal Migration. Cell Reports, 2012, 2, 640-651.	2.9	63
152	Pannexin 1 regulates postnatal neural stem and progenitor cell proliferation. Neural Development, 2012, 7, 11.	1.1	75
153	Biological role of connexin intercellular channels and hemichannels. Archives of Biochemistry and Biophysics, 2012, 524, 2-15.	1.4	191
154	Functional redundancy and compensation among members of gap junction protein families?. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1971-1984.	1.4	59
155	Opposing roles of connexin43 in glioma progression. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2058-2067.	1.4	101
156	Channel-independent influence of connexin 43 on cell migration. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1993-2001.	1.4	87
157	Cap junctional channels are parts of multiprotein complexes. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1844-1865.	1.4	120
158	Dye coupling and connexin expression by cortical radial glia in the early postnatal subventricular zone. Developmental Neurobiology, 2012, 72, 1482-1497.	1.5	17
159	The role of connexins in prostate cancer promotion and progression. Nature Reviews Urology, 2012, 9, 274-282.	1.9	56
160	Functional heterogeneity of non-small lung adenocarcinoma cell sub-populations. Cell Biology International, 2012, 36, 99-103.	1.4	10
161	Novel model for the mechanisms of glutamate-dependent excitotoxicity: Role of neuronal gap junctions. Brain Research, 2012, 1487, 123-130.	1.1	34
162	Connexin-based intercellular communication and astrocyte heterogeneity. Brain Research, 2012, 1487, 88-98.	1.1	93
163	Expanding views of presynaptic terminals: new findings from Caenorhabditis elegans. Current Opinion in Neurobiology, 2012, 22, 431-437.	2.0	4

ARTICLE IF CITATIONS Sticky situations: recent advances in control of cell adhesion during neuronal migration. Current 2.0 69 164 Opinion in Neurobiology, 2012, 22, 791-798. In Utero Electroporation for Cellular Transgenesis in the Developing Mammalian Forebrain. 0.2 Neuromethods, 2012, , 113-128. 166 Gap Junctions., 2012, 2, 1981-2035. 331 Developing Neurons Form Transient Nanotubes Facilitating Electrical Coupling and Calcium Signaling with Distant Astrocytes. PLoS ONE, 2012, 7, e47429. The Expression Pattern of the Na+ Sensor, NaX in the Hydromineral Homeostatic Network: A 169 0.9 32 Comparative Study between the Rat and Mouse. Frontiers in Neuroanatomy, 2012, 6, 26. Downâ€regulation of connexin43 expression reveals the involvement of caveolinâ€1 containing lipid rafts in human U251 glioblastoma cell invasion. Molecular Carcinogenesis, 2012, 51, 845-860. 1.3 Emerging roles of neural stem cells in cerebral cortex development and evolution. Developmental 171 1.5 158 Neurobiology, 2012, 72, 955-971. Preferential electrical coupling regulates neocortical lineage-dependent microcircuit assembly. 13.7 222 Nature, 2012, 486, 113-117. Neuronal stem cells in the central nervous system and in human diseases. Protein and Cell, 2012, 3, 173 4.8 11 262-270. Cx31.1 acts as a tumour suppressor in nonâ€small cell lung cancer (NSCLC) cell lines through inhibition 174 1.6 of cell proliferation and metastasis. Journal of Cellular and Molecular Medicine, 2012, 16, 1047-1059. The connexin mimetic peptide Gap27 increases human dermal fibroblast migration in hyperglycemic and 175 2.0 38 hyperinsulinemic conditions in vitro. Journal of Cellular Physiology, 2012, 227, 77-87. The medicinal leech genome encodes 21 innexin genes: different combinations are expressed by 0.4 46 identified central neurons. Development Genes and Evolution, 2012, 222, 29-44. Invasive cells in animals and plants: searching for LECA machineries in later eukaryotic life. Biology 177 1.9 34 Direct, 2013, 8, 8. Analysis of the Spatial Distribution of Gap Junctions Relative to Chemical Synapses on Serial Ultrathin 0.2 Sections of the Rat Barrel Cortex. Neuroscience and Behavioral Physiology, 2013, 43, 336-340. 179 Connexins, gap junctions, and glia. Environmental Sciences Europe, 2013, 2, 133-142. 2.6 14 Connexin47 Protein Phosphorylation and Stability in Oligodendrocytes Depend on Expression of Connexin43 Protein in Astrocytes. Journal of Neuroscience, 2013, 33, 7985-7996. We've had important advances in the connexin/pannexin field, yet there is still much to do. 181 2.0 0 Neuropharmacology, 2013, 75, 467-470. New spin on an old transition: epithelial parallels in neuronal adhesion control. Trends in 4.2 Neurosciences, 2013, 36, 163-173.

#	Article	IF	Citations
183	The Liver Connexin32 Interactome Is a Novel Plasma Membrane-Mitochondrial Signaling Nexus. Journal of Proteome Research, 2013, 12, 2597-2610.	1.8	45
184	Integrative Mechanisms of Oriented Neuronal Migration in the Developing Brain. Annual Review of Cell and Developmental Biology, 2013, 29, 299-353.	4.0	134
185	Astrocytic Cx43 and Cx30 differentially modulate adult neurogenesis in mice. Neuroscience Letters, 2013, 545, 40-45.	1.0	43
186	Innexins Ogre and Inx2 are required in glial cells for normal postembryonic development of the <i>Drosophila</i> central nervous system. Journal of Cell Science, 2013, 126, 3823-34.	1.2	52
187	Cajal–Retzius and Subplate Cells. , 2013, , 843-856.		5
188	A bio-inspired neural environment to control neurons comprising radial glia, substrate chemistry and topography. Biomaterials Science, 2013, 1, 83-93.	2.6	24
189	The mechanics of membrane proteins is a signature of biological function. Soft Matter, 2013, 9, 7866.	1.2	7
190	Mechanisms of cell migration in the nervous system. Journal of Cell Biology, 2013, 202, 725-734.	2.3	144
191	Gap junction proteins on the move: Connexins, the cytoskeleton and migration. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 94-108.	1.4	114
192	Cortical Development. , 2013, , .		3
193	Cell motility in models of wounded human skin is improved by Gap27 despite raised glucose, insulin and IGFBP-5. Experimental Cell Research, 2013, 319, 390-401.	1.2	22
194	Leading Process Dynamics During Neuronal Migration. , 2013, , 245-260.		3
195	Nucleokinesis. , 2013, , 261-279.		0
196	Radial Migration in the Developing Cerebral Cortex. , 2013, , 299-316.		1
197	Radial Migration of Neurons in the Cerebral Cortex. , 2013, , 317-330.		4
198	Cellular and molecular mechanisms controlling the migration of neocortical interneurons. European Journal of Neuroscience, 2013, 38, 2019-2029.	1.2	164
199	The role of gap junction proteins in the development of neural network functional topology. Insect Molecular Biology, 2013, 22, 457-472.	1.0	14
200	Emerging role for astroglial networks in information processing: from synapse to behavior. Trends in Neurosciences, 2013, 36, 405-417.	4.2	209

		15	Circumona
#	ARTICLE	IF	CITATIONS
201	Physiology and Function of Glial Gap JunctionsÂin the Hippocampus. , 2013, , 19-27.		0
202	Pathophysiology of Gap Junctions in the Brain. , 2013, , 31-49.		1
203	Distribution and Function of Gap Junction Coupling in Cortical GABAergic Neurons. , 2013, , 69-82.		2
204	Functions of Gap Junctions in the DevelopingÂNeocortex. , 2013, , 85-98.		0
205	Connexin multi-site phosphorylation: Mass spectrometry-based proteomics fills the gap. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 23-34.	1.4	30
206	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. Development (Cambridge), 2013, 140, 4554-4564.	1.2	71
207	Tubacin prevents neuronal migration defects and epileptic activity caused by rat Srpx2 silencing in utero. Brain, 2013, 136, 2457-2473.	3.7	52
208	Neocortical neurogenesis and neuronal migration. Wiley Interdisciplinary Reviews: Developmental Biology, 2013, 2, 443-459.	5.9	50
209	Chicken embryonic brain: an in vivo model for verifying neural stem cell potency. Journal of Neurosurgery, 2013, 119, 512-519.	0.9	5
210	The connexin43-interacting protein, CIP85, mediates the internalization of connexin43 from the plasma membrane. Cell Communication and Adhesion, 2013, 20, 53-66.	1.0	16
211	Stem Cells and Ion Channels. Stem Cells International, 2013, 2013, 1-3.	1.2	9
212	Gap Junction-Dependent Homolog Avoidance in the Developing CNS. Journal of Neuroscience, 2013, 33, 16673-16683.	1.7	9
213	Robo1 Regulates the Migration and Laminar Distribution of Upper-Layer Pyramidal Neurons of the Cerebral Cortex. Cerebral Cortex, 2013, 23, 1495-1508.	1.6	35
214	Connexins in Atherosclerosis. , 2013, , 141-164.		0
215	Ex utero Electroporation and Whole Hemisphere Explants: A Simple Experimental Method for Studies of Early Cortical Development. Journal of Visualized Experiments, 2013, , .	0.2	11
216	High Flow Conditions Increase Connexin43 Expression in a Rat Arteriovenous and Angioinductive Loop Model. PLoS ONE, 2013, 8, e78782.	1.1	19
217	Resident Neural Stem Cells. , 2013, , 69-87.		1
218	Connexin and pannexin hemichannels in brain glial cells: properties, pharmacology, and roles. Frontiers in Pharmacology, 2013, 4, 88.	1.6	190

#	Article	IF	Citations
219	Neurological manifestations of oculodentodigital dysplasia: a Cx43 channelopathy of the central nervous system?. Frontiers in Pharmacology, 2013, 4, 120.	1.6	57
220	Connexin and Pannexin Based Channels in the Nervous System. , 2014, , 257-283.		2
221	The connexin43 mimetic peptide Gap19 inhibits hemichannels without altering gap junctional communication in astrocytes. Frontiers in Cellular Neuroscience, 2014, 8, 306.	1.8	151
222	The contribution of CXCL12-expressing radial glia cells to neuro-vascular patterning during human cerebral cortex development. Frontiers in Neuroscience, 2014, 8, 324.	1.4	24
223	Cross-regulation of Connexin43 and \hat{l}^2 -catenin influences differentiation of human neural progenitor cells. Cell Death and Disease, 2014, 5, e1017-e1017.	2.7	36
224	Cdk5-mediated phosphorylation of RapGEF2 controls neuronal migration in the developing cerebral cortex. Nature Communications, 2014, 5, 4826.	5.8	68
225	Radial glia in the proliferative ventricular zone of the embryonic and adult turtle,Trachemys scripta elegans. Neurogenesis (Austin, Tex), 2014, 1, e970905.	1.5	25
226	Establishment of neurogenic microenvironment in the neurovascular unit: the connexin 43 story. Reviews in the Neurosciences, 2014, 25, 97-111.	1.4	34
227	Asymmetric neural development in the <i>Caenorhabditis elegans</i> olfactory system. Genesis, 2014, 52, 544-554.	0.8	24
228	Implanted neural progenitor cells regulate glial reaction to brain injury and establish gap junctions with host glial cells. Glia, 2014, 62, 623-638.	2.5	27
229	The inner lining of the reptilian brain: A heterogeneous cellular mosaic. Glia, 2014, 62, 300-316.	2.5	3
230	Regulation of gap junction channels by infectious agents and inflammation in the CNS. Frontiers in Cellular Neuroscience, 2014, 8, 122.	1.8	35
231	A new angle on blood–CNS interfaces: A role for connexins?. FEBS Letters, 2014, 588, 1259-1270.	1.3	72
232	Dominant negative connexin26 mutation R75W causing severe hearing loss influences normal programmed cell death in postnatal organ of Corti. BMC Genetics, 2014, 15, 1.	2.7	121
233	Gap Junctions in Developing Thalamic and Neocortical Neuronal Networks. Cerebral Cortex, 2014, 24, 3097-3106.	1.6	42
234	SDF1 Reduces Interneuron Leading Process Branching through Dual Regulation of Actin and Microtubules. Journal of Neuroscience, 2014, 34, 4941-4962.	1.7	41
235	The Dynamics of Neuronal Migration. Advances in Experimental Medicine and Biology, 2014, 800, 25-36.	0.8	37
236	Connexin 30 sets synaptic strength by controlling astroglial synapse invasion. Nature Neuroscience, 2014, 17, 549-558.	7.1	269

#	Article	IF	CITATIONS
237	Neuronal gap junction coupling as the primary determinant of the extent of glutamate-mediated excitotoxicity. Journal of Neural Transmission, 2014, 121, 837-846.	1.4	14
238	The role of the gap junction protein connexin43 in B lymphocyte motility and migration. FEBS Letters, 2014, 588, 1249-1258.	1.3	29
239	The dual face of connexin-based astroglial Ca2+ communication: A key player in brain physiology and a prime target in pathology. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2211-2232.	1.9	74
240	Brain Development. Methods in Molecular Biology, 2014, , .	0.4	1
241	Connexins, gap junctions and tissue invasion. FEBS Letters, 2014, 588, 1331-1338.	1.3	62
242	Role of Connexin/Pannexin containing channels in infectious diseases. FEBS Letters, 2014, 588, 1389-1395.	1.3	41
244	Internal Ribosomal Entry Site (IRES) Activity Generates Endogenous Carboxyl-terminal Domains of Cx43 and Is Responsive to Hypoxic Conditions. Journal of Biological Chemistry, 2014, 289, 20979-20990.	1.6	51
245	Astroglial connexin 43 sustains glutamatergic synaptic efficacy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130596.	1.8	65
246	The Cell Biology of Neurogenesis: Toward an Understanding of the Development and Evolution of the Neocortex. Annual Review of Cell and Developmental Biology, 2014, 30, 465-502.	4.0	616
247	A cell-penetrating peptide based on the interaction between c-Src and connexin43 reverses glioma stem cell phenotype. Cell Death and Disease, 2014, 5, e1023-e1023.	2.7	55
248	<i>Connexin 35b</i> expression in the spinal cord of <i>Danio rerio</i> embryos and larvae. Journal of Comparative Neurology, 2014, 522, 861-875.	0.9	11
249	Transient muscarinic and glutamatergic stimulation of neural stem cells triggers acute and persistent changes in differentiation. Neurobiology of Disease, 2014, 70, 252-261.	2.1	10
250	Cadherin-based adhesions in the apical endfoot are required for active Notch signaling to control neurogenesis in vertebrates. Development (Cambridge), 2014, 141, 1671-1682.	1.2	86
251	Gap junction and hemichannelâ€independent actions of connexins on cell and tissue functions – An update. FEBS Letters, 2014, 588, 1186-1192.	1.3	143
252	Control of neuronal morphology and connectivity: Emerging developmental roles for gap junctional proteins. FEBS Letters, 2014, 588, 1470-1479.	1.3	14
253	Molecules and mechanisms that regulate multipolar migration in the intermediate zone. Frontiers in Cellular Neuroscience, 2014, 8, 386.	1.8	85
255	Neurogenic potential of dental pulp stem cells isolated from murine incisors. Stem Cell Research and Therapy, 2014, 5, 30.	2.4	49
256	Specialized Vasculature in the Rostral Migratory Stream as a Neurogenic Niche and Scaffold for Neuroblast Migration. Cell Transplantation, 2015, 24, 377-390.	1.2	9

#	Article	IF	CITATIONS
257	Control of cortical neuronal migration by glutamate and GABA. Frontiers in Cellular Neuroscience, 2015, 9, 4.	1.8	119
258	The Sarcoglycan complex is expressed in the cerebrovascular system and is specifically regulated by astroglial Cx30 channels. Frontiers in Cellular Neuroscience, 2015, 9, 9.	1.8	35
259	Cellullar insights into cerebral cortical development: focusing on the locomotion mode of neuronal migration. Frontiers in Cellular Neuroscience, 2015, 9, 394.	1.8	82
260	Function and regulation of Rnd proteins in cortical projection neuron migration. Frontiers in Neuroscience, 2015, 9, 19.	1.4	23
261	Switching modes in corticogenesis: mechanisms of neuronal subtype transitions and integration in the cerebral cortex. Frontiers in Neuroscience, 2015, 9, 274.	1.4	51
262	Molecular Pathways Underlying Projection Neuron Production and Migration during Cerebral Cortical Development. Frontiers in Neuroscience, 2015, 9, 447.	1.4	79
263	Inside-Out Radial Migration Facilitates Lineage-Dependent Neocortical Microcircuit Assembly. Neuron, 2015, 86, 1159-1166.	3.8	61
264	Neurobeachin Is Required Postsynaptically for Electrical and Chemical Synapse Formation. Current Biology, 2015, 25, 16-28.	1.8	65
265	Calcium signaling in neocortical development. Developmental Neurobiology, 2015, 75, 360-368.	1.5	51
266	Connexins in migration during development and cancer. Developmental Biology, 2015, 401, 143-151.	0.9	50
267	Immune Quiescence of the Brain Is Set by Astroglial Connexin 43. Journal of Neuroscience, 2015, 35, 4427-4439.	1.7	55
268	Connexin and pannexin signaling pathways, an architectural blueprint for CNS physiology and pathology?. Cellular and Molecular Life Sciences, 2015, 72, 2823-2851.	2.4	61
269	Pre-stimulation with FGF-2 increases inÂvitro functional coupling of mesenchymal stem cells with cardiac cells. Biochemical and Biophysical Research Communications, 2015, 464, 667-673.	1.0	9
270	Differential Connexin Function Enhances Self-Renewal in Glioblastoma. Cell Reports, 2015, 11, 1031-1042.	2.9	100
271	Emerging physiological and pathological implications of tunneling nanotubes formation between cells. European Journal of Cell Biology, 2015, 94, 429-443.	1.6	84
272	Cx30 exhibits unique characteristics including a long half-life when assembled into gap junctions. Journal of Cell Science, 2015, 128, 3947-60.	1.2	16
273	Decreased connexin 43 in astrocytes inhibits the neuroinflammatory reaction in an acute mouse model of neonatal sepsis. Neuroscience Bulletin, 2015, 31, 763-768.	1.5	15
274	Synapsin III Acts Downstream of Semaphorin 3A/CDK5 Signaling to Regulate Radial Migration and Orientation of Pyramidal Neurons InÂVivo. Cell Reports, 2015, 11, 234-248.	2.9	22

#	Article	IF	Citations
275	Connexins. International Review of Cell and Molecular Biology, 2015, 318, 27-62.	1.6	7
276	Basic Mechanisms of Epileptogenesis in Pediatric Cortical Dysplasia. CNS Neuroscience and Therapeutics, 2015, 21, 92-103.	1.9	78
277	Calm1 signaling pathway is essential for the migration of mouse precerebellar neurons. Development (Cambridge), 2015, 142, 375-84.	1.2	28
278	Connexin-Based Therapeutics and Tissue Engineering Approaches to the Amelioration of Chronic Pancreatitis and Type I Diabetes: Construction and Characterization of a Novel Prevascularized Bioartificial Pancreas. Journal of Diabetes Research, 2016, 2016, 1-12.	1.0	6
279	Connexin43 Forms Supramolecular Complexes through Non-Overlapping Binding Sites for Drebrin, Tubulin, and ZO-1. PLoS ONE, 2016, 11, e0157073.	1.1	57
280	Electrical synapses and the development of inhibitory circuits in the thalamus. Journal of Physiology, 2016, 594, 2579-2592.	1.3	44
281	Fatty acid binding protein 7 and nâ€3 poly unsaturated fatty acid supply in early rat brain development. Developmental Neurobiology, 2016, 76, 287-297.	1.5	29
283	Connexins and pannexins in neuronal development and adult neurogenesis. BMC Cell Biology, 2016, 17, 10.	3.0	47
284	<scp>GAP</scp> junctional communication in brain secondary organizers. Development Growth and Differentiation, 2016, 58, 446-455.	0.6	12
285	Keratosis palmoplantaris: klinische und genetische Aspekte. JDDG - Journal of the German Society of Dermatology, 2016, 14, 123-142.	0.4	0
286	Palmoplantar keratodermas: clinical and genetic aspects. JDDG - Journal of the German Society of Dermatology, 2016, 14, 123-140.	0.4	38
287	SARA regulates neuronal migration during neocortical development through L1 trafficking. Development (Cambridge), 2016, 143, 3143-53.	1.2	13
288	Cerebral cortex expansion and folding: what have we learned?. EMBO Journal, 2016, 35, 1021-1044.	3.5	262
289	Repression of Astrocytic Connexins in Cortical and Subcortical Brain Regions and Prefrontal Enrichment of H3K9me3 in Depression and Suicide. International Journal of Neuropsychopharmacology, 2017, 20, pyw071.	1.0	63
290	Transformation of the Radial Glia Scaffold Demarcates Two Stages of Human Cerebral Cortex Development. Neuron, 2016, 91, 1219-1227.	3.8	264
291	Ultrastructural demonstration of Cx43 gap junctions in induced pluripotent stem cells from human cord blood. Histochemistry and Cell Biology, 2016, 146, 529-537.	0.8	14
292	Connexins: substrates and regulators of autophagy. BMC Cell Biology, 2016, 17, 20.	3.0	37
293	Electrical coupling regulates layer 1 interneuron microcircuit formation in the neocortex. Nature Communications, 2016, 7, 12229.	5.8	24

#	Article	IF	CITATIONS
294	FoxO6 affects Plxna4-mediated neuronal migration during mouse cortical development. Proceedings of the United States of America, 2016, 113, E7087-E7096.	3.3	17
295	Independent modes of ganglion cell translocation ensure correct lamination of the zebrafish retina. Journal of Cell Biology, 2016, 215, 259-275.	2.3	69
296	Connexin 26 gap junction coupling selectively contributes to reduced adhesivity and increased cell migration. Journal of Cell Science, 2016, 129, 4399-4410.	1.2	23
297	Phosphorylation of Connexin 43 by Cdk5 Modulates Neuronal Migration During Embryonic Brain Development. Molecular Neurobiology, 2016, 53, 2969-2982.	1.9	28
298	The role of connexin43–Src interaction in astrocytomas: A molecular puzzle. Neuroscience, 2016, 323, 183-194.	1.1	41
299	Decoding the molecular mechanisms of neuronal migration using in utero electroporation. Medical Molecular Morphology, 2016, 49, 63-75.	0.4	17
300	Formation of the Cortical Subventricular Zone Requires MDGA1-Mediated Aggregation of Basal Progenitors. Cell Reports, 2016, 14, 560-571.	2.9	10
301	Immunoregulation at the gliovascular unit in the healthy brain: A focus on Connexin 43. Brain, Behavior, and Immunity, 2016, 56, 1-9.	2.0	33
302	The role of neural connexins in HeLa cell mobility and intercellular communication through tunneling tubes. BMC Cell Biology, 2016, 17, 3.	3.0	21
303	Astroglial networks promote neuronal coordination. Science Signaling, 2016, 9, ra6.	1.6	66
304	Common mechanisms linking connexin43 to neural progenitor cell migration and glioma invasion. Seminars in Cell and Developmental Biology, 2016, 50, 59-66.	2.3	34
305	Targeted Gene Resequencing (Astrochip) to Explore the Tripartite Synapse in Autism–Epilepsy Phenotype with Macrocephaly. NeuroMolecular Medicine, 2016, 18, 69-80.	1.8	19
306	Astrocytes promote glioma invasion via the gap junction protein connexin43. Oncogene, 2016, 35, 1504-1516.	2.6	114
307	Cellular and molecular introduction to brain development. Neurobiology of Disease, 2016, 92, 3-17.	2.1	128
308	Virus Innexins induce alterations in insect cell and tissue function. Journal of Insect Physiology, 2017, 98, 173-181.	0.9	11
309	Dynamic behaviour of human neuroepithelial cells in the developing forebrain. Nature Communications, 2017, 8, 14167.	5.8	69
310	The electrical synapse: Molecular complexities at the gap and beyond. Developmental Neurobiology, 2017, 77, 562-574.	1.5	45
311	Neonatal <i>CX26</i> removal impairs neocortical development and leads to elevated anxiety. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3228-3233.	3.3	21

#	ARTICLE	IF	CITATIONS
312	Nervous system development relies on endosomal trafficking. Neurogenesis (Austin, Tex), 2017, 4, e1316887.	1.5	2
313	Gap junctions and hemichannels: communicating cell death in neurodevelopment and disease. BMC Cell Biology, 2017, 18, 4.	3.0	68
314	Huntingtin-Mediated Multipolar-Bipolar Transition of Newborn Cortical Neurons Is Critical for Their Postnatal Neuronal Morphology. Neuron, 2017, 93, 99-114.	3.8	69
315	Progenitors in the Ependyma of the Spinal Cord: A Potential Resource for Self-Repair After Injury. Advances in Experimental Medicine and Biology, 2017, 1015, 241-264.	0.8	11
316	Perturbed Wnt signaling leads to neuronal migration delay, altered interhemispheric connections and impaired social behavior. Nature Communications, 2017, 8, 1158.	5.8	59
317	The Plastic Brain. Advances in Experimental Medicine and Biology, 2017, , .	0.8	9
318	Lattice system of functionally distinct cell types in the neocortex. Science, 2017, 358, 610-615.	6.0	65
319	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. Pharmacological Reviews, 2017, 69, 396-478.	7.1	191
320	Neural-specific deletion of the focal adhesion adaptor protein paxillin slows migration speed and delays cortical layer formation. Development (Cambridge), 2017, 144, 4002-4014.	1.2	15
321	Drebrins and Connexins: A Biomedical Perspective. Advances in Experimental Medicine and Biology, 2017, 1006, 225-247.	0.8	5
322	A Short Region of Connexin43 Reduces Human Glioma Stem Cell Migration, Invasion, and Survival through Src, PTEN, and FAK. Stem Cell Reports, 2017, 9, 451-463.	2.3	63
323	Modulation of gap junction-associated Cx43 in neural stem/progenitor cells following traumatic brain injury. Brain Research Bulletin, 2017, 134, 38-46.	1.4	15
324	Gap junction proteins and the wiring (Rewiring) of neuronal circuits. Developmental Neurobiology, 2017, 77, 575-586.	1.5	10
325	AÂ Complex Code of Extrinsic Influences on Cortical Progenitor Cells of Higher Mammals. Cerebral Cortex, 2017, 27, 4586-4606.	1.6	35
326	Connexins in the Central Nervous System: Physiological Traits and Neuroprotective Targets. Frontiers in Physiology, 2017, 8, 1060.	1.3	42
327	Lineage-Dependent Electrical Synapse Formation in the Mammalian Neocortex. , 2017, , 321-348.		1
328	Transcriptional and Post-Transcriptional Mechanisms of the Development of Neocortical Lamination. Frontiers in Neuroanatomy, 2017, 11, 102.	0.9	38
329	Loss of Elp3 Impairs the Acetylation and Distribution of Connexin-43 in the Developing Cerebral Cortex. Frontiers in Cellular Neuroscience, 2017, 11, 122.	1.8	15

#	Article	IF	CITATIONS
330	Neuronal Polarity in the Embryonic Mammalian Cerebral Cortex. Frontiers in Cellular Neuroscience, 2017, 11, 163.	1.8	39
331	Cell-Cell Connection Enhances Proliferation and Neuronal Differentiation of Rat Embryonic Neural Stem/Progenitor Cells. Frontiers in Cellular Neuroscience, 2017, 11, 200.	1.8	28
332	Neural Progenitor Cell Polarity and Cortical Development. Frontiers in Cellular Neuroscience, 2017, 11, 384.	1.8	78
333	Altered translation initiation of <i>Gja1</i> limits gap junction formation during epithelial–mesenchymal transition. Molecular Biology of the Cell, 2018, 29, 797-808.	0.9	37
334	Connexin 30 controls astroglial polarization during postnatal brain development. Development (Cambridge), 2018, 145, .	1.2	29
335	Multifaceted Roles of Connexin 43 in Stem Cell Niches. Current Stem Cell Reports, 2018, 4, 1-12.	0.7	23
336	Targeting different domains of gap junction protein to control malignant glioma. Neuro-Oncology, 2018, 20, 885-896.	0.6	21
337	Evaluation of Possible Consequences of Zika Virus Infection in the Developing Nervous System. Molecular Neurobiology, 2018, 55, 1620-1629.	1.9	5
338	Gap junction proteins are key drivers of endocrine function. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 124-140.	1.4	34
339	Connexin43, but not connexin30, contributes to adult neurogenesis in the dentate gyrus. Brain Research Bulletin, 2018, 136, 91-100.	1.4	12
340	Space Invaders. American Journal of Pathology, 2018, 188, 29-38.	1.9	18
341	Distinct moieties underlie biphasic H ⁺ gating of connexin43 channels, producing a pH optimum for intercellular communication. FASEB Journal, 2018, 32, 1969-1981.	0.2	9
342	Microenvironments to study migration and somal translocation in cortical neurons. Biomaterials, 2018, 156, 238-247.	5.7	7
343	A structure–activity relationship linking non-planar PCBs to functional deficits of neural crest cells: new roles for connexins. Archives of Toxicology, 2018, 92, 1225-1247.	1.9	15
344	Connexins and Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029348.	2.3	73
345	Neuroglia inC. elegans. Colloquium Series on Neuroglia in Biology and Medicine From Physiology To Disease, 2018, 5, i-56.	0.5	0
346	Calcium interactions with Cx26 hemmichannel: Spatial association between MD simulations biding sites and variant pathogenicity. Computational Biology and Chemistry, 2018, 77, 331-342.	1.1	9
347	Connexin 43/47 channels are important for astrocyte/oligodendrocyte cross-talk in myelination and demyelination. Journal of Biosciences, 2018, 43, 1055-1068.	0.5	34

#	Article	IF	CITATIONS
348	Cancer Connectors: Connexins, Gap Junctions, and Communication. Frontiers in Oncology, 2018, 8, 646.	1.3	61
349	Contactin-1/F3 Regulates Neuronal Migration and Morphogenesis Through Modulating RhoA Activity. Frontiers in Molecular Neuroscience, 2018, 11, 422.	1.4	27
350	MARVELD1 depletion leads to dysfunction of motor and cognition via regulating glia-dependent neuronal migration during brain development. Cell Death and Disease, 2018, 9, 999.	2.7	11
351	The Expression Profile of Connexin-30 and Connexin-32 in the Somatosensory and Visual Cortex of Rats during Early Postnatal Ontogeny. Neurochemical Journal, 2018, 12, 280-284.	0.2	0
352	Connexin 43 Modulates Osteogenic Differentiation of Bone Marrow Stromal Cells Through GSK-3beta/Beta-Catenin Signaling Pathways. Cellular Physiology and Biochemistry, 2018, 47, 161-175.	1.1	37
353	The role of connexins during early embryonic development: pluripotent stem cells, gene editing, and artificial embryonic tissues as tools to close the knowledge gap. Histochemistry and Cell Biology, 2018, 150, 327-339.	0.8	12
354	Cytoplasmic dynein and its regulators in neocortical development and disease. , 2018, , 262-285.		2
355	Inhibition of Connexin 43 and Phosphorylated NR2B in Spinal Astrocytes Attenuates Bone Cancer Pain in Mice. Frontiers in Cellular Neuroscience, 2018, 12, 129.	1.8	34
356	Conflicting Roles of Connexin43 in Tumor Invasion and Growth in the Central Nervous System. International Journal of Molecular Sciences, 2018, 19, 1159.	1.8	20
357	Function of Connexins in the Interaction between Glial and Vascular Cells in the Central Nervous System and Related Neurological Diseases. Neural Plasticity, 2018, 2018, 1-13.	1.0	34
358	Connexins and Pannexins: Important Players in Tumorigenesis, Metastasis and Potential Therapeutics. International Journal of Molecular Sciences, 2018, 19, 1645.	1.8	40
359	Biological Functions of Connexin43 Beyond Intercellular Communication. Trends in Cell Biology, 2019, 29, 835-847.	3.6	54
360	Lateral dispersion is required for circuit integration of newly generated dentate granule cells. Nature Communications, 2019, 10, 3324.	5.8	25
361	Linking Cell Polarity to Cortical Development and Malformations. Frontiers in Cellular Neuroscience, 2019, 13, 244.	1.8	45
362	Cx43-Gap Junctions Accumulate at the Cytotoxic Immunological Synapse Enabling Cytotoxic T Lymphocyte Melanoma Cell Killing. International Journal of Molecular Sciences, 2019, 20, 4509.	1.8	25
363	Vacuolar H+-ATPase Subunit VOC Regulates Aerobic Glycolysis of Esophageal Cancer Cells via PKM2 Signaling. Cells, 2019, 8, 1137.	1.8	12
364	Growth Arrest Triggers Extra-Cell Cycle Regulatory Function in Neurons: Possible Involvement of p27kip1 in Membrane Trafficking as Well as Cytoskeletal Regulation. Frontiers in Cell and Developmental Biology, 2019, 7, 64.	1.8	5
365	Connexin43 in neonatal excitatory neurons is important for short-term motor learning. Brain Research, 2019, 1720, 146287.	1.1	5

#	Article	IF	CITATIONS
366	Cx43-Associated Secretome and Interactome Reveal Synergistic Mechanisms for Glioma Migration and MMP3 Activation. Frontiers in Neuroscience, 2019, 13, 143.	1.4	10
367	Slow Dynamics in Microcolumnar Gap Junction Network of Developing Neocortical Pyramidal Neurons. Neuroscience, 2019, 406, 554-562.	1.1	4
368	Extensive branching of radiallyâ€migrating neurons in the mammalian cerebral cortex. Journal of Comparative Neurology, 2019, 527, 1558-1576.	0.9	27
369	Exploring the influence of the surface proteins on probiotic effects performed by Lactobacillus pentosus HC-2 using transcriptome analysis in Litopenaeus vannamei midgut. Fish and Shellfish Immunology, 2019, 87, 853-870.	1.6	16
370	Putative Cellular and Molecular Roles of Zika Virus in Fetal and Pediatric Neuropathologies. Pediatric and Developmental Pathology, 2019, 22, 5-21.	0.5	5
371	Emerging roles of gap junction proteins connexins in cancer metastasis, chemoresistance and clinical application. Journal of Biomedical Science, 2019, 26, 8.	2.6	76
372	Ischaemia alters the effects of cardiomyocyteâ€derived extracellular vesicles on macrophage activation. Journal of Cellular and Molecular Medicine, 2019, 23, 1137-1151.	1.6	28
373	Analyzing the pathways enriched in genes associated with nicotine dependence in the context of human protein–protein interaction network. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1177-1188.	2.0	1
374	Cadmium versus Lanthanum Effects on Spontaneous Electrical Activity and Expression of Connexin Isoforms Cx26, Cx36, and Cx45 in the Human Fetal Cortex. Cerebral Cortex, 2020, 30, 1244-1259.	1.6	2
375	TheCaenorhabditis elegansINXâ€4/Innexin is required for the fineâ€ŧuning of temperature orientation in thermotaxis behavior. Genes To Cells, 2020, 25, 154-164.	0.5	6
376	Structural Basis of Teneurin-Latrophilin Interaction in Repulsive Guidance of Migrating Neurons. Cell, 2020, 180, 323-339.e19.	13.5	91
377	Organoid and Assembloid Technologies for Investigating Cellular Crosstalk in Human Brain Development and Disease. Trends in Cell Biology, 2020, 30, 133-143.	3.6	148
378	Smoothened receptor Signaling regulates the developmental shift of GABA polarity in rat somatosensory cortex. Journal of Cell Science, 2020, 133, .	1.2	8
379	FLRTing Neurons in Cortical Migration During Cerebral Cortex Development. Frontiers in Cell and Developmental Biology, 2020, 8, 578506.	1.8	4
380	Molecular Mechanisms of Cadherin Function During Cortical Migration. Frontiers in Cell and Developmental Biology, 2020, 8, 588152.	1.8	15
381	The atypical chemokine receptor 3 interacts with Connexin 43 inhibiting astrocytic gap junctional intercellular communication. Nature Communications, 2020, 11, 4855.	5.8	21
382	Non-Cell-Autonomous Mechanisms in Radial Projection Neuron Migration in the Developing Cerebral Cortex. Frontiers in Cell and Developmental Biology, 2020, 8, 574382.	1.8	15
383	Integration of Migratory Cells into a New Site InÂVivo Requires Channel-Independent Functions of Innexins on Microtubules. Developmental Cell, 2020, 54, 501-515.e9.	3.1	24

#	Article	IF	CITATIONS
384	Cajal–Retzius and subplate cells: transient cortical neurons and circuits with long-term impact. , 2020, , 485-505.		1
385	How Do Cortical Excitatory Neurons Terminate Their Migration at the Right Place? Critical Roles of Environmental Elements. Frontiers in Cell and Developmental Biology, 2020, 8, 596708.	1.8	2
386	Connexin43 Region 266–283, via Src Inhibition, Reduces Neural Progenitor Cell Proliferation Promoted by EGF and FGF-2 and Increases Astrocytic Differentiation. International Journal of Molecular Sciences, 2020, 21, 8852.	1.8	10
387	The intimate relationship between coalescent generators in very premature human newborn brains: Quantifying the coupling of nested endogenous oscillations. Human Brain Mapping, 2020, 41, 4691-4703.	1.9	12
388	Extracellular Control of Radial Glia Proliferation and Scaffolding During Cortical Development and Pathology. Frontiers in Cell and Developmental Biology, 2020, 8, 578341.	1.8	25
389	Neurogenesis, neuronal migration, and axon guidance. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 173, 25-42.	1.0	19
390	Impact of prematurity on neurodevelopment. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 173, 341-375.	1.0	14
391	A computational investigation of electrotonic coupling between pyramidal cells in the cortex. Journal of Computational Neuroscience, 2020, 48, 387-407.	0.6	3
392	Endogenous erythropoietin signaling regulates migration and laminar positioning of upper-layer neurons in the developing neocortex. Development (Cambridge), 2020, 147, .	1.2	6
393	Cx43 and the Actin Cytoskeleton: Novel Roles and Implications for Cell-Cell Junction-Based Barrier Function Regulation. Biomolecules, 2020, 10, 1656.	1.8	18
394	Expression of Connexins 37, 43 and 45 in Developing Human Spinal Cord and Ganglia. International Journal of Molecular Sciences, 2020, 21, 9356.	1.8	8
395	The CAR group of Ig cell adhesion proteins–Regulators of gap junctions?. BioEssays, 2020, 42, e2000031.	1.2	11
396	Radial Migration Dynamics Is Modulated in a Laminar and Area-Specific Manner During Primate Corticogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 588814.	1.8	14
397	Molecular mechanisms of cell polarity in a range of model systems and in migrating neurons. Molecular and Cellular Neurosciences, 2020, 106, 103503.	1.0	24
398	Functional properties of progenitor-like cells in the spinal cord. , 2020, , 187-202.		0
399	Advanced Clycation End Products and Receptor (RAGE) Promote Wound Healing of Human Corneal Epithelial Cells. , 2020, 61, 14.		10
400	Early visual motion experience shapes the gap junction connections among direction selective ganglion cells. PLoS Biology, 2020, 18, e3000692.	2.6	4
401	Granule Cell Dispersion in Human Temporal Lobe Epilepsy: Proteomics Investigation of Neurodevelopmental Migratory Pathways. Frontiers in Cellular Neuroscience, 2020, 14, 53.	1.8	16

ARTICLE IF CITATIONS Glial Cell-Axonal Growth Cone Interactions in Neurodevelopment and Regeneration. Frontiers in 402 1.4 48 Neuroscience, 2020, 14, 203. Transcriptional and posttranscriptional mechanisms of neuronal migration., 2020, , 479-513. 404 Radial migration in the developing cerebral cortex., 2020, , 323-344. 0 Coordination of different modes of neuronal migration and functional organization of the cerebral cortex., 2020,, 531-553. Reelin Functions, Mechanisms of Action and Signaling Pathways During Brain Development and 406 1.8 100 Maturation. Biomolecules, 2020, 10, 964. $Identification \ of \ serine \ residues \ in \ the \ connexin43 \ carboxyl \ tail \ important \ for \ BCR-mediated \ spreading \ of \ B-lymphocytes. \ Journal \ of \ Cell \ Science, \ 2020, \ 133, \ .$ 407 1.2 Involvement of the Gap Junction Protein, Connexin43, in the Formation and Function of Invadopodia in 408 1.8 12 the Human U251 Glioblastoma Cell Line. Cells, 2020, 9, 117. Understanding the Molecular and Cell Biological Mechanisms of Electrical Synapse Formation. 409 24 Frontiers in Neuroanatomy, 2020, 14, 12. Glial Connexins and Pannexins in the Healthy and Diseased Brain. Physiological Reviews, 2021, 101, 410 13.1 79 93-145. Astrocytes in the regulation of cerebrovascular functions. Glia, 2021, 69, 817-841. 2.5 Back to basics: the neuronal substrates and mechanisms that underlie the electroencephalogram in 412 1.0 37 premature neonates. Neurophysiologie Clinique, 2021, 51, 5-33. The mutual interplay of redox signaling and connexins. Journal of Molecular Medicine, 2021, 99, 933-941. Structure and Functions of Gap Junctions and Their Constituent Connexins in the Mammalian CNS. 414 0.3 6 Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2021, 15, 107-119. \hat{I}^2 PS-Integrin acts downstream of Innexin 2 in modulating stretched cell morphogenesis in the 0.8 <i>Drosophila</i> ovary. G3: Genes, Genomes, Genetics, 2021, 11, . Loss of BAF Complex in Developing Cortex Perturbs Radial Neuronal Migration in a WNT 416 10 1.4 Signaling-Dependent Manner. Frontiers in Molecular Neuroscience, 2021, 14, 687581. Adenosine A2A Receptors Contribute to the Radial Migration of Cortical Projection Neurons through 19 the Regulation of Neuronal Polarization and Axon Formation. Cerebral Cortex, 2021, 31, 5652-5663. Connexins in the development and physiology of stem cells. Tissue Barriers, 2021, 9, 1949242. 419 1.6 4 Connexin43 in Germ Cells Seems to Be Dispensable for Murine Spermatogenesis. International Journal 1.8 of Molecular Sciences, 2021, 22, 7924.

#	ARTICLE	IF	CITATIONS
421	Expression of Connexin43 Stimulates Endothelial Angiogenesis Independently of Gap Junctional Communication In Vitro. International Journal of Molecular Sciences, 2021, 22, 7400.	1.8	12
422	Cell-Type-Specific Gene Expression in Developing Mouse Neocortex: Intermediate Progenitors Implicated in Axon Development. Frontiers in Molecular Neuroscience, 2021, 14, 686034.	1.4	12
423	Tunneling nanotubes: Reshaping connectivity. Current Opinion in Cell Biology, 2021, 71, 139-147.	2.6	69
424	HepaCAM controls astrocyte self-organization and coupling. Neuron, 2021, 109, 2427-2442.e10.	3.8	52
425	The Cx43 Carboxyl-Terminal Mimetic Peptide αCT1 Protects Endothelial Barrier Function in a ZO1 Binding-Competent Manner. Biomolecules, 2021, 11, 1192.	1.8	11
426	Repeated nuclear translocations underlie photoreceptor positioning and lamination of the outer nuclear layer in the mammalian retina. Cell Reports, 2021, 36, 109461.	2.9	9
427	Impaired Cx43 gap junction endocytosis causes morphological and functional defects in zebrafish. Molecular Biology of the Cell, 2021, 32, ar13.	0.9	6
428	Connexins and pannexins: At the junction of neuroâ€glial homeostasis & disease. Journal of Neuroscience Research, 2018, 96, 31-44.	1.3	65
429	Gap Junctions as Electrical Synapses. , 2009, , 423-439.		3
430	In Utero Electroporation of the Mouse Embryo. Neuromethods, 2015, , 1-20.	0.2	4
431	In Utero Electroporation to Study Mouse Brain Development. Methods in Molecular Biology, 2014, 1082, 285-293.	0.4	10
432	Neocortical Neurogenesis and Circuit Assembly. , 2013, , 153-180.		1
433	Development of the Neuro-Immune-Vascular Plexus in the Ventricular Zone of the Prenatal Rat Neocortex. Cerebral Cortex, 2021, 31, 2139-2155.	1.6	11
434	Gap Junctions and Hemichannels. , 2013, , .		10
437	Identification of Novel Glial Genes by Single-Cell Transcriptional Profiling of Bergmann Glial Cells from Mouse Cerebellum. PLoS ONE, 2010, 5, e9198.	1.1	75
438	Connexin 36 Expression Regulates Neuronal Differentiation from Neural Progenitor Cells. PLoS ONE, 2011, 6, e14746.	1.1	46
439	Connexin43 Modulates Cell Polarity and Directional Cell Migration by Regulating Microtubule Dynamics. PLoS ONE, 2011, 6, e26379.	1.1	99
440	Activity-Induced Remodeling of Olfactory Bulb Microcircuits Revealed by Monosynaptic Tracing. PLoS ONE, 2011, 6, e29423.	1.1	82

#	Article	IF	CITATIONS
441	Connexin Signaling Is Involved in the Reactivation of a Latent Stem Cell Niche after Spinal Cord Injury. Journal of Neuroscience, 2020, 40, 2246-2258.	1.7	20
442	Connexin-dependent intercellular stress signaling in tissue homeostasis and tumor development. Acta Biochimica Polonica, 2017, 64, 377-389.	0.3	18
443	Connexin 43 expression is associated with increased malignancy in prostate cancer cell lines and functions to promote migration. Oncotarget, 2015, 6, 11640-11651.	0.8	66
444	Targeting Gap Junctions: New Insights into the Treatment of Major Depressive Disorder. Current Medicinal Chemistry, 2019, 26, 3775-3791.	1.2	13
445	Normal and Disordered Formation of the Cerebral Cortex : Normal Embryology, Related Molecules, Types of Migration, Migration Disorders. Journal of Korean Neurosurgical Society, 2019, 62, 265-271.	0.5	5
446	Brain Disorders and Chemical Pollutants: A Gap Junction Link?. Biomolecules, 2021, 11, 51.	1.8	16
447	Cell Contact Accelerates Replicative Senescence of Human Mesenchymal Stem Cells Independent of Telomere Shortening and p53 Activation: Roles of Ras and Oxidative Stress. Cell Transplantation, 2011, 20, 1209-1220.	1.2	45
448	The top cited articles on glioma stem cells in Web of Science. Neural Regeneration Research, 2013, 8, 1431-8.	1.6	12
449	Epidemiology and molecular genetics of congenital cataracts. International Journal of Ophthalmology, 2011, 4, 422-32.	0.5	53
450	Up-Regulation of the Gap Junction Intercellular Communication by Tea Polyphenol in the Human Metastatie Lung Carcinoma Cell Line. Journal of Cancer Therapy, 2012, 03, 64-70.	0.1	3
451	Folding brains: from development to disease modeling. Physiological Reviews, 2022, 102, 511-550.	13.1	28
452	GAP junctions: multifaceted regulators of neuronal differentiation. Tissue Barriers, 2022, 10, 1982349.	1.6	5
453	PUPIL enables mapping and stamping of transient electrical connectivity in developing nervous systems. Cell Reports, 2021, 37, 109853.	2.9	6
454	Connexins and pannexins: Two gap junction families mediating glioma growth control. , 2009, , 547-567.		0
455	Migration of Transplanted Neural Stem Cells in Experimental Models of Neurodegenerative Diseases. Pancreatic Islet Biology, 2011, , 315-336.	0.1	0
456	Adhesion Molecules and Their Function in Astrocyte Polarity. Frontiers in Neuroscience, 2011, , 63-106.	0.0	0
459	Neurogenesis and Outer Subventricular Zone Radial Glial Cells. , 2013, , .		0
460	EPH-Ephrin signaling. Reactome - A Curated Knowledgebase of Biological Pathways, 0, 49, .	0.0	1

#	Article	IF	CITATIONS
461	Role of Environmental Exposure to Toxins and Microbial Infections in Autism. Autism Insights, 0, , 15.	0.0	0
462	Connexins: Bridging the Gap Between Cancer Cell Communication in Glioblastoma. , 2015, , 29-41.		1
464	Postmitotic Cone Migration Mechanisms in theÂMammalian Retina. Advances in Experimental Medicine and Biology, 2019, 1185, 489-493.	0.8	0
465	Ariadne's Thread in the Developing Cerebral Cortex: Mechanisms Enabling the Guiding Role of the Radial Glia Basal Process during Neuron Migration. Cells, 2021, 10, 3.	1.8	8
466	Aberrant cardiac metabolism leads to cardiac arrhythmia. Frontiers in Bioscience - Scholar, 2020, 12, 200-221.	0.8	2
468	Downregulation of Cx43 reduces cisplatin-induced acute renal injury by inhibiting ferroptosis. Food and Chemical Toxicology, 2021, 158, 112672.	1.8	16
469	Upregulation of Neural Cell Adhesion Molecule 1 and Excessive Migration of Purkinje Cells in Cerebellar Cortex. Frontiers in Neuroscience, 2021, 15, 804402.	1.4	1
470	The Bumpy Road to Stem Cell Therapies: Rational Design of Surface Topographies to Dictate Stem Cell Mechanotransduction and Fate. ACS Applied Materials & Interfaces, 2022, 14, 23066-23101.	4.0	12
471	Decoupling astrocytes in adult mice impairs synaptic plasticity and spatial learning. Cell Reports, 2022, 38, 110484.	2.9	43
472	Absence of Connexin 43 results in smaller retinas and arrested, depolarized retinal progenitor cells in human retinal organoids. Stem Cells, 2022, , .	1.4	4
489	[Ca2+] fluctuation mediated by T-type Ca2+ channel is required for the differentiation of cortical neural progenitor cells. Developmental Biology, 2022, 489, 84-97.	0.9	1
491	Channel-independent function of UNC-9/Innexin in spatial arrangement of GABAergic synapses in C. elegans. ELife, 0, 11, .	2.8	5
492	Connexin 30 Deficiency Ameliorates Disease Progression at the Early Phase in a Mouse Model of Amyotrophic Lateral Sclerosis by Suppressing Glial Inflammation. International Journal of Molecular Sciences, 2022, 23, 16046.	1.8	3
493	Fish-specific N-terminal domain sequence in Connexin 39.4 plays an important role in zebrafish stripe formation by regulating the opening and closing of gap junctions and hemichannels. Biochimica Et Biophysica Acta - General Subjects, 2023, 1867, 130342.	1.1	0
494	The second extracellular domain of connexin 50 is important for in cell adhesion, lens differentiation, and adhesion molecule expression. Journal of Biological Chemistry, 2023, 299, 102965.	1.6	1
495	Innexin-Mediated Adhesion between Glia Is Required for Axon Ensheathment in the Peripheral Nervous System. Journal of Neuroscience, 2023, 43, 2260-2276.	1.7	2
496	MorphoSim: an efficient and scalable phase-field framework for accurately simulating multicellular morphologies. Npj Systems Biology and Applications, 2023, 9, .	1.4	3
497	Non-muscle myosins control the integrity of cortical radial glial endfeet. PLoS Biology, 2023, 21, e3002032.	2.6	0

#	ARTICLE	IF	Citations
40.0	Subcellular mRNA localization and local translation of Arhgap11a in radial glial progenitors		4
498	regulates cortical development. Neuron, 2023, 111, 839-856.e5.	3.8	4
499	Upregulation of astroglial connexin 30 impairs hippocampal synaptic activity and recognition memory. PLoS Biology, 2023, 21, e3002075.	2.6	3
506	Purinergic Signaling in Neurogenesis and Neural Fate Determination: Current Knowledge and Future Challenges. , 2023, , 69-96.		0
509	Resident Neural Stem Cells. , 2024, , 127-157.		0