

# David C Spray

## List of Publications by Year in descending order

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311  
papers

24,243  
citations

4831

87  
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10955

142  
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354  
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354  
docs citations

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times ranked

17104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glioblastoma—Astrocyte Connexin 43 Gap Junctions Promote Tumor Invasion. <i>Molecular Cancer Research</i> , 2022, 20, 319-331.	1.5	14
2	Generation and Characterization of Immortalized Mouse Cortical Astrocytes From Wildtype and Connexin43 Knockout Mice. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 647109.	1.8	5
3	Retinal Genomic Fabric Remodeling after Optic Nerve Injury. <i>Genes</i> , 2021, 12, 403.	1.0	4
4	The Roles of Calmodulin and CaMKII in Cx36 Plasticity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4473.	1.8	7
5	Abstract 2885: Connexin 43-dependent miRNA transfer drives perivascular glioma invasion through dysregulation of astrocytes. , 2021, , .		1
6	Estrogen depletion on In vivo osteocyte calcium signaling responses to mechanical loading. <i>Bone</i> , 2021, 152, 116072.	1.4	15
7	Pannexin-1 channel opening is critical for COVID-19 pathogenesis. <i>IScience</i> , 2021, 24, 103478.	1.9	28
8	Cx43 carboxyl terminal domain determines AQP4 and Cx30 endfoot organization and blood brain barrier permeability. <i>Scientific Reports</i> , 2021, 11, 24334.	1.6	23
9	Apoptotic Osteocytes Induce RANKL Production in Bystanders via Purinergic Signaling and Activation of Pannexin Channels. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 966-977.	3.1	30
10	Emerging importance of satellite glia in nervous system function and dysfunction. <i>Nature Reviews Neuroscience</i> , 2020, 21, 485-498.	4.9	189
11	The dynamic Nexus: gap junctions control protein localization and mobility in distinct and surprising ways. <i>Scientific Reports</i> , 2020, 10, 17011.	1.6	16
12	Cellular Environment Remodels the Genomic Fabrics of Functional Pathways in Astrocytes. <i>Genes</i> , 2020, 11, 520.	1.0	10
13	Trypanosoma cruzi Promotes Transcriptomic Remodeling of the JAK/STAT Signaling and Cell Cycle Pathways in Myoblasts. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 255.	1.8	11
14	Stress gates an astrocytic energy reservoir to impair synaptic plasticity. <i>Nature Communications</i> , 2020, 11, 2014.	5.8	89
15	Tubulin-Dependent Transport of Connexin-36 Potentiates the Size and Strength of Electrical Synapses. <i>Cells</i> , 2019, 8, 1146.	1.8	13
16	Gap junction mediated signaling between satellite glia and neurons in trigeminal ganglia. <i>Glia</i> , 2019, 67, 791-801.	2.5	52
17	Introduction to Connexins and Pannexins in the Healthy and Diseased Nervous System with Thanks to Felikas Bukauskas. <i>Neuroscience Letters</i> , 2019, 695, 1-3.	1.0	0
18	Gap junctions, pannexins and pain. <i>Neuroscience Letters</i> , 2019, 695, 46-52.	1.0	62

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19	Gap Junction Proteins (Connexins, Pannexins, and Innexins). , 2019, , 1-7.		0
20	Potential role for a specialized $\beta$ 3 integrin-based structure on osteocyte processes in bone mechanosensation. Journal of Orthopaedic Research, 2018, 36, 642-652.	1.2	53
21	Concentrative Transport of Antifolates Mediated by the Proton-Coupled Folate Transporter (SLC46A1); Augmentation by a HEPES Buffer. Molecular Pharmacology, 2018, 93, 208-215.	1.0	5
22	Functional genomic fabrics are remodeled in a mouse model of Chagas cardiomyopathy and restored following cell therapy. Microbes and Infection, 2018, 20, 185-195.	1.0	14
23	Osteocyte calcium signals encode strain magnitude and loading frequency in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11775-11780.	3.3	76
24	Cysteine residues in the cytoplasmic carboxy terminus of connexins dictate gap junction plaque stability. Molecular Biology of the Cell, 2017, 28, 2757-2764.	0.9	8
25	Adrenergic Receptors on Astrocytes Modulate Gap Junctions. , 2017, , 127-144.		3
26	Structural and Functional Consequences of Connexin 36 (Cx36) Interaction with Calmodulin. Frontiers in Molecular Neuroscience, 2016, 9, 120.	1.4	21
27	Pannexin-1 and P2X7-Receptor Are Required for Apoptotic Osteocytes in Fatigued Bone to Trigger RANKL Production in Neighboring Bystander Osteocytes. Journal of Bone and Mineral Research, 2016, 31, 890-899.	3.1	65
28	Glial pannexin1 contributes to tactile hypersensitivity in a mouse model of orofacial pain. Scientific Reports, 2016, 6, 38266.	1.6	44
29	The speed of swelling kinetics modulates cell volume regulation and calcium signaling in astrocytes: A different point of view on the role of aquaporins. Glia, 2016, 64, 139-154.	2.5	91
30	Coupled Activation of Primary Sensory Neurons Contributes to Chronic Pain. Neuron, 2016, 91, 1085-1096.	3.8	216
31	Connexin 43 Mediates White Adipose Tissue Beiging by Facilitating the Propagation of Sympathetic Neuronal Signals. Cell Metabolism, 2016, 24, 420-433.	7.2	80
32	Gap Junctions and Electric Synapses. , 2016, , 511-546.		0
33	Strain-induced mechanotransduction through primary cilia, extracellular ATP, purinergic calcium signaling, and ERK1/2 transactivates CITED2 and downregulates MMP-1 and MMP-13 gene expression in chondrocytes. Osteoarthritis and Cartilage, 2016, 24, 892-901.	0.6	63
34	Effect of mesenchymal stem cells and mouse embryonic fibroblasts on the development of preimplantation mouse embryos. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 497-506.	0.7	15
35	FRAP for the Study of Gap Junction Nexus Macromolecular Organization. , 2016, , 63-91.		4
36	P2X7R-Panx1 Complex Impairs Bone Mechanosignaling under High Glucose Levels Associated with Type-1 Diabetes. PLoS ONE, 2016, 11, e0155107.	1.1	51

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37	Endothelin-1 Mediates Brain Microvascular Dysfunction Leading to Long-Term Cognitive Impairment in a Model of Experimental Cerebral Malaria. <i>PLoS Pathogens</i> , 2016, 12, e1005477.	2.1	16
38	The effect of connexin 36 deletion on chemotherapy-induced peripheral neuropathy (CIPN).. <i>Journal of Clinical Oncology</i> , 2016, 34, 1-1.	0.8	21
39	The Einstein-Brazil Fogarty: A decade of synergy. <i>Brazilian Journal of Microbiology</i> , 2015, 46, 945-955.	0.8	2
40	Connexin Type and Fluorescent Protein Fusion Tag Determine Structural Stability of Gap Junction Plaques. <i>Journal of Biological Chemistry</i> , 2015, 290, 23497-23514.	1.6	32
41	Developments in the management of Chagas cardiomyopathy. <i>Expert Review of Cardiovascular Therapy</i> , 2015, 13, 1393-1409.	0.6	66
42	The role of pannexin 1 in chemotherapy-induced peripheral neuropathy (CIPN).. <i>Journal of Clinical Oncology</i> , 2015, 33, 6-6.	0.8	4
43	Human Liver Cell Trafficking Mutants: Characterization and Whole Exome Sequencing. <i>PLoS ONE</i> , 2014, 9, e87043.	1.1	0
44	Structural order in Pannexin 1 cytoplasmic domains. <i>Channels</i> , 2014, 8, 157-166.	1.5	11
45	Gap junctional communication in health and disease. <i>Frontiers in Physiology</i> , 2014, 5, 442.	1.3	2
46	Adipocytes in both brown and white adipose tissue of adult mice are functionally connected via gap junctions: implications for Chagas disease. <i>Microbes and Infection</i> , 2014, 16, 893-901.	1.0	30
47	Green tea polyphenol treatment is chondroprotective, anti-inflammatory and palliative in a mouse posttraumatic osteoarthritis model. <i>Arthritis Research and Therapy</i> , 2014, 16, 508.	1.6	69
48	Connexins modulate autophagosome biogenesis. <i>Nature Cell Biology</i> , 2014, 16, 401-414.	4.6	113
49	Molecular imaging, biodistribution and efficacy of mesenchymal bone marrow cell therapy in a mouse model of Chagas disease. <i>Microbes and Infection</i> , 2014, 16, 923-935.	1.0	31
50	Shear-induced endothelial NOS activation and remodeling via heparan sulfate, glypican-1, and syndecan-1. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 338-347.	0.6	160
51	Inhibitors of the 5-lipoxygenase pathway activate pannexin1 channels in macrophages via the thromboxane receptor. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C571-C579.	2.1	14
52	Satellite Glial Cells as a Target for Chronic Pain Therapy. , 2014, , 473-492.		1
53	Pannexin 1 Channels Play Essential Roles in Urothelial Mechanotransduction and Intercellular Signaling. <i>PLoS ONE</i> , 2014, 9, e106269.	1.1	39
54	Identification of a functional prostanoid-like receptor in the protozoan parasite, <i>Trypanosoma cruzi</i> . <i>Parasitology Research</i> , 2013, 112, 1417-1425.	0.6	9

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55	Transcriptome profiling of hippocampal CA1 after early-life seizure-induced preconditioning may elucidate new genetic therapies for epilepsy. <i>European Journal of Neuroscience</i> , 2013, 38, 2139-2152.	1.2	25
56	Interaction of the Glycocalyx with the Actin Cytoskeleton. <i>Neuromethods</i> , 2013, , 43-62.	0.2	1
57	Gap junctions and Bystander effects: Good Samaritans and executioners. <i>Environmental Sciences Europe</i> , 2013, 2, 1-15.	2.6	58
58	Gap Junctions, Electric Synapses. , 2013, , 439-473.		0
59	Matrix-dependent adhesion mediates network responses to physiological stimulation of the osteocyte cell process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12096-12101.	3.3	37
60	Promises and pitfalls of a Pannexin1 transgenic mouse line. <i>Frontiers in Pharmacology</i> , 2013, 4, 61.	1.6	64
61	Mechanosensory responses of osteocytes to physiological forces occur along processes and not cell body and require $\int \pm V \int^2 \int^3$ integrin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21012-21017.	3.3	112
62	Disruption of Calcium Homeostasis in Cardiomyocytes Underlies Cardiac Structural and Functional Changes in Severe Sepsis. <i>PLoS ONE</i> , 2013, 8, e68809.	1.1	47
63	High Glucose Attenuates Shear-Induced Changes in Endothelial Hydraulic Conductivity by Degrading the Glycocalyx. <i>PLoS ONE</i> , 2013, 8, e78954.	1.1	49
64	Glycocalyx Core Proteins Selectively Mediate Endothelial NOS activation and Cell Alignment in Response to Shear Stress. <i>FASEB Journal</i> , 2013, 27, 379.3.	0.2	1
65	Mesenchymal Bone Marrow Cell Therapy in a Mouse Model of Chagas Disease. Where Do the Cells Go?. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1971.	1.3	43
66	Autophagy modulates dynamics of connexins at the plasma membrane in a ubiquitin-dependent manner. <i>Molecular Biology of the Cell</i> , 2012, 23, 2156-2169.	0.9	110
67	Chagas Heart Disease. <i>Cardiology in Review</i> , 2012, 20, 53-65.	0.6	90
68	Labeling Stem Cells with Superparamagnetic Iron Oxide Nanoparticles: Analysis of the Labeling Efficacy by Microscopy and Magnetic Resonance Imaging. <i>Methods in Molecular Biology</i> , 2012, 906, 239-252.	0.4	41
69	The connexin43-dependent transcriptome during brain development: Importance of genetic background. <i>Brain Research</i> , 2012, 1487, 131-139.	1.1	22
70	Calmodulin dependent protein kinase increases conductance at gap junctions formed by the neuronal gap junction protein connexin36. <i>Brain Research</i> , 2012, 1487, 69-77.	1.1	44
71	Electrical synapses getting translational. <i>Brain Research</i> , 2012, 1487, 1-2.	1.1	0
72	Extracellular K <sup>+</sup> and Astrocyte Signaling via Connexin and Pannexin Channels. <i>Neurochemical Research</i> , 2012, 37, 2310-2316.	1.6	74

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73	Connexin43 and Pannexin1 Channels in Osteoblasts: Who Is the "Hemichannel"? Journal of Membrane Biology, 2012, 245, 401-409.	1.0	44
74	Altered Regulation of Akt Signaling with Murine Cerebral Malaria, Effects on Long-Term Neuro-Cognitive Function, Restoration with Lithium Treatment. PLoS ONE, 2012, 7, e44117.	1.1	25
75	High Sensitivity MEMS Biosensor for Monitoring Cell Attachment. , 2012, , .		0
76	ATP signaling is deficient in cultured pannexin1-null mouse astrocytes. Glia, 2012, 60, 1106-1116.	2.5	147
77	Pannexin1-Mediated ATP Release Provides Signal Transmission Between Neuro2A Cells. Neurochemical Research, 2012, 37, 1355-1363.	1.6	22
78	Functional and Transcriptomic Recovery of Infarcted Mouse Myocardium Treated with Bone Marrow Mononuclear Cells. Stem Cell Reviews and Reports, 2012, 8, 251-261.	5.6	20
79	Glial cells in (patho)physiology. Journal of Neurochemistry, 2012, 121, 4-27.	2.1	460
80	Reversion of gene expression alterations in hearts of mice with chronic chagasic cardiomyopathy after transplantation of bone marrow cells. Cell Cycle, 2011, 10, 1448-1455.	1.3	68
81	Gap Junctions and Chagas Disease. Advances in Parasitology, 2011, 76, 63-81.	1.4	25
82	Silencing MaxiK Activity in Corporal Smooth Muscle Cells Initiates Compensatory Mechanisms to Maintain Calcium Homeostasis. Journal of Sexual Medicine, 2011, 8, 2191-2204.	0.3	7
83	Two non-vesicular ATP release pathways in the mouse erythrocyte membrane. FEBS Letters, 2011, 585, 3430-3435.	1.3	55
84	Optimized labeling of bone marrow mesenchymal cells with superparamagnetic iron oxide nanoparticles and in vivo visualization by magnetic resonance imaging. Journal of Nanobiotechnology, 2011, 9, 4.	4.2	77
85	On the electrophysiological response of bone cells using a Stokesian fluid stimulus probe for delivery of quantifiable localized picoNewton level forces. Journal of Biomechanics, 2011, 44, 1702-1708.	0.9	29
86	Pannexin channels are not gap junction hemichannels. Channels, 2011, 5, 193-197.	1.5	305
87	In Vitro Motility of Liver Connexin Vesicles along Microtubules Utilizes Kinesin Motors. Journal of Biological Chemistry, 2011, 286, 22875-22885.	1.6	36
88	Imaging the Endothelial Glycocalyx In Vitro by Rapid Freezing/Freeze Substitution Transmission Electron Microscopy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1908-1915.	1.1	194
89	Piconewton Level Loading and Sub-Cellular Deformation of Bone Cells Using a Novel Stokesian Fluid Stimulus Probe (SFSP). , 2011, , .		0
90	Abstract P022: Functional and Transcriptomic Recovery of Infarcted Mouse Myocardium Treated with Bone Marrow Mononuclear Cells. Circulation Research, 2011, 109, .	2.0	0

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91	Sex-dependent gene regulatory networks of the heart rhythm. <i>Functional and Integrative Genomics</i> , 2010, 10, 73-86.	1.4	22
92	Acquired infection with <i>Toxoplasma gondii</i> in adult mice results in sensorimotor deficits but normal cognitive behavior despite widespread brain pathology. <i>Microbes and Infection</i> , 2010, 12, 528-537.	1.0	74
93	Persistent cognitive and motor deficits after successful antimalarial treatment in murine cerebral malaria. <i>Microbes and Infection</i> , 2010, 12, 1198-1207.	1.0	42
94	Modulatory effects of cAMP and PKC activation on gap junctional intercellular communication among thymic epithelial cells. <i>BMC Cell Biology</i> , 2010, 11, 3.	3.0	12
95	Cardiac gene expression and systemic cytokine profile are complementary in a murine model of post-ischemic heart failure. <i>Brazilian Journal of Medical and Biological Research</i> , 2010, 43, 377-389.	0.7	21
96	Characterization of hTERT-immortalized osteoblast cell lines generated from wild-type and connexin43-null mouse calvaria. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C994-C1006.	2.1	33
97	Transcriptomic Signatures of Alterations in a Myoblast Cell Line Infected with Four Distinct Strains of <i>Trypanosoma cruzi</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 2010, 82, 846-854.	0.6	24
98	Bidirectional calcium signaling between satellite glial cells and neurons in cultured mouse trigeminal ganglia. <i>Neuron Glia Biology</i> , 2010, 6, 43-51.	2.0	126
99	The Carboxyl-terminal Domain of Connexin43 Is a Negative Modulator of Neuronal Differentiation. <i>Journal of Biological Chemistry</i> , 2010, 285, 11836-11845.	1.6	43
100	Gene Expression Changes Associated with Myocarditis and Fibrosis in Hearts of Mice with Chronic Chagasitic Cardiomyopathy. <i>Journal of Infectious Diseases</i> , 2010, 202, 416-426.	1.9	64
101	Fluid Flow-induced Soluble Vascular Endothelial Growth Factor Isoforms Regulate Actin Adaptation in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2010, 285, 30931-30941.	1.6	28
102	<i>Trypanosoma cruzi</i> infection results in the reduced expression of caveolin-3 in the heart. <i>Cell Cycle</i> , 2010, 9, 1639-1646.	1.3	20
103	Chemical Induction of Cardiac Differentiation in P19 Embryonal Carcinoma Stem Cells. <i>Stem Cells and Development</i> , 2010, 19, 403-412.	1.1	38
104	Mefloquine Blockade of Pannexin1 Currents: Resolution of a Conflict. <i>Cell Communication and Adhesion</i> , 2010, 16, 131-137.	1.0	62
105	Focal Inflammation Causes Carbenoxolone-Sensitive Tactile Hypersensitivity in Mice. <i>Open Pain Journal</i> , 2010, 3, 123-133.	0.4	29
106	Alterations in the Brain Transcriptome in <i>Plasmodium Berghei</i> ANKA Infected Mice. <i>Journal of Neuroparasitology</i> , 2010, 1, 1-8.	0.6	14
107	The Endothelial Glycocalyx In Vitro : Its Structure and The Role of Heparan Sulfate and Glypicanâ€1 in eNOS Activation by Flow. <i>FASEB Journal</i> , 2010, 24, 784.8.	0.2	2
108	Alterations in the Brain Transcriptome in ANKA Infected Mice. <i>Journal of Neuroparasitology</i> , 2010, 1, .	0.6	7

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109	Cell Therapy in Chagas Disease. Interdisciplinary Perspectives on Infectious Diseases, 2009, 2009, 1-6.	0.6	7
110	Pannexin 1: The Molecular Substrate of Astrocyte "Hemichannels", Journal of Neuroscience, 2009, 29, 7092-7097.	1.7	335
111	Perspectives on Trypanosoma cruzi-Induced Heart Disease (Chagas Disease). Progress in Cardiovascular Diseases, 2009, 51, 524-539.	1.6	138
112	Trifluoroethanol reveals helical propensity at analogous positions in cytoplasmic domains of three connexins. Biopolymers, 2009, 92, 173-182.	1.2	18
113	Connexins, pannexins, innexins: novel roles of "hemi-channels", Pflugers Archiv European Journal of Physiology, 2009, 457, 1207-1226.	1.3	166
114	Effects of ageing and streptozotocin-induced diabetes on connexin43 and P2 purinoceptor expression in the rat corpora cavernosa and urinary bladder. BJU International, 2009, 103, 1686-1693.	1.3	40
115	Transcriptomic alterations in Trypanosoma cruzi-infected cardiac myocytes. Microbes and Infection, 2009, 11, 1140-1149.	1.0	42
116	Automated Cell-Based Assay for Screening of Aquaporin Inhibitors. Analytical Chemistry, 2009, 81, 8219-8229.	3.2	62
117	Reciprocal influence of connexins and apical junction proteins on their expressions and functions. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 768-778.	1.4	43
118	Connexin Expression (Gap Junctions and Hemichannels) in Astrocytes. , 2009, , 107-150.		5
119	Point Mutation in the Mouse P2X <sub>7</sub> Receptor Affects Intercellular Calcium Waves in Astrocytes. ASN Neuro, 2009, 1, AN20090001.	1.5	37
120	Astrocytic 'power-grid': Delivery upon neuronal demand. Cellscience, 2009, 5, 34-43.	0.3	5
121	Effect of microgravity on gene expression in mouse brain. Experimental Brain Research, 2008, 191, 289-300.	0.7	48
122	IGF-I regulates tight-junction protein claudin-1 during differentiation of osteoblast-like MC3T3-E1 cells via a MAP-kinase pathway. Cell and Tissue Research, 2008, 334, 243-254.	1.5	32
123	Aquaporin-4 water channels in enteric neurons. Journal of Neuroscience Research, 2008, 86, 448-456.	1.3	30
124	Trypanosoma cruzi induces changes in cardiac connexin43 expression. Microbes and Infection, 2008, 10, 21-28.	1.0	26
125	P2X <sub>7</sub> receptor-Pannexin1 complex: pharmacology and signaling. American Journal of Physiology - Cell Physiology, 2008, 295, C752-C760.	2.1	303
126	Alterations in myocardial gene expression associated with experimental Trypanosoma cruzi infection. Genomics, 2008, 91, 423-432.	1.3	29

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127	Lack of "Hemichannel" Activity in Insulin-Producing Cells. <i>Cell Communication and Adhesion</i> , 2008, 15, 143-154.	1.0	14
128	Similar Transcriptomic Alterations in Cx43 Knockdown and Knockout Astrocytes. <i>Cell Communication and Adhesion</i> , 2008, 15, 195-206.	1.0	48
129	Bone Marrow Cell Therapy Ameliorates and Reverses Chagasic Cardiomyopathy in a Mouse Model. <i>Journal of Infectious Diseases</i> , 2008, 197, 544-547.	1.9	58
130	The neuronal connexin36 interacts with and is phosphorylated by CaMKII in a way similar to CaMKII interaction with glutamate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20964-20969.	3.3	110
131	Cognitive Dysfunction in Mice Infected with <i>Plasmodium berghei</i> Strain ANKA. <i>Journal of Infectious Diseases</i> , 2008, 197, 1621-1627.	1.9	57
132	The Gap Junction Protein Connexin32 Interacts with the Src Homology 3/Hook Domain of Discs Large Homolog 1. <i>Journal of Biological Chemistry</i> , 2007, 282, 9789-9796.	1.6	61
133	Hypertension in connexin40-null mice: a renin disorder. <i>Kidney International</i> , 2007, 72, 781-782.	2.6	2
134	Gap junction remodeling and cardiac arrhythmogenesis in a murine model of oculodentodigital dysplasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20512-20516.	3.3	116
135	Pathology of mechanical and gap junctional co-coupling at the intercalated disc: Is sepsis a junctionopathy?*. <i>Critical Care Medicine</i> , 2007, 35, 2231-2232.	0.4	5
136	Connexin43 and the brain transcriptome of newborn mice. <i>Genomics</i> , 2007, 89, 113-123.	1.3	49
137	Pannexin1 is part of the pore forming unit of the P2X7receptor death complex. <i>FEBS Letters</i> , 2007, 581, 483-488.	1.3	402
138	Alteration of transcriptomic networks in adoptive-transfer experimental autoimmune encephalomyelitis. <i>Frontiers in Integrative Neuroscience</i> , 2007, 1, 10.	1.0	17
139	The role of connexins in controlling cell growth and gene expression. <i>Progress in Biophysics and Molecular Biology</i> , 2007, 94, 245-264.	1.4	147
140	Connexin-dependent transcellular transcriptomic networks in mouse brain. <i>Progress in Biophysics and Molecular Biology</i> , 2007, 94, 169-185.	1.4	58
141	Fluid Shear Stress Upregulates Vascular Endothelial Growth Factor Gene Expression in Osteoblasts. <i>Annals of the New York Academy of Sciences</i> , 2007, 1117, 73-81.	1.8	43
142	Connexin and pannexin mediated cell-cell communication. <i>Neuron Glia Biology</i> , 2007, 3, 199-208.	2.0	212
143	Connexins Induce and Maintain Tight Junctions in Epithelial Cells. <i>Journal of Membrane Biology</i> , 2007, 217, 13-19.	1.0	62
144	Gap Junction and Purinergic P2 Receptor Proteins as a Functional Unit: Insights from Transcriptomics. <i>Journal of Membrane Biology</i> , 2007, 217, 83-91.	1.0	27

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145	Organizational Principles of the Connexin-Related Brain Transcriptome. <i>Journal of Membrane Biology</i> , 2007, 218, 39-47.	1.0	40
146	Connexin 26 expression prevents down-regulation of barrier and fence functions of tight junctions by Na <sup>+</sup> /K <sup>+</sup> -ATPase inhibitor ouabain in human airway epithelial cell line Calu-3. <i>Experimental Cell Research</i> , 2006, 312, 3847-3856.	1.2	27
147	A Stochastic Two-Dimensional Model of Intercellular Ca <sup>2+</sup> Wave Spread in Glia. <i>Biophysical Journal</i> , 2006, 90, 24-41.	0.2	65
148	Transcriptomic changes in developing kidney exposed to chronic hypoxia. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 329-338.	1.0	36
149	Microarray technology in the investigation of diseases of myocardium with special reference to infection. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 1802.	3.0	6
150	Transfection of mammalian cells with connexins and measurement of voltage sensitivity of their gap junctions. <i>Nature Protocols</i> , 2006, 1, 1799-1809.	5.5	33
151	Flow cytometry analysis of gap junction-mediated cell-cell communication: Advantages and pitfalls. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 487-493.	1.1	37
152	Functional connexin hemichannels: A critical appraisal. <i>Glia</i> , 2006, 54, 758-773.	2.5	297
153	Cardiac Connexins: Genes to Nexus. , 2006, 42, 1-17.		41
154	Block of Specific Gap Junction Channel Subtypes by 2-Aminoethoxydiphenyl Borate (2-APB). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 1452-1458.	1.3	112
155	Illuminating gap junctions. <i>Nature Methods</i> , 2005, 2, 12-14.	9.0	13
156	Connexin43, the major gap junction protein of astrocytes, is down-regulated in inflamed white matter in an animal model of multiple sclerosis. <i>Journal of Neuroscience Research</i> , 2005, 80, 798-808.	1.3	127
157	Genes controlling multiple functional pathways are transcriptionally regulated in connexin43 null mouse heart. <i>Physiological Genomics</i> , 2005, 20, 211-223.	1.0	46
158	Regulation of Connexin43-Protein Binding in Astrocytes in Response to Chemical Ischemia/Hypoxia. <i>Journal of Biological Chemistry</i> , 2005, 280, 7941-7948.	1.6	66
159	New possible roles for aquaporin-4 in astrocytes: cell cytoskeleton and functional relationship with connexin43. <i>FASEB Journal</i> , 2005, 19, 1674-1676.	0.2	143
160	A Developmental Switch in the Expression of Aquaporin-4 and Kir4.1 from Horizontal to Müller Cells in Mouse Retina. , 2005, 46, 3869.		33
161	Blockade of Gap Junctions In Vivo Provides Neuroprotection After Perinatal Global Ischemia. <i>Stroke</i> , 2005, 36, 2232-2237.	1.0	121
162	Sensitivity of the brain transcriptome to connexin ablation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1711, 183-196.	1.4	70

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163	Use of cDNA Arrays to Explore Gene Expression in Genetically Manipulated Mice and Cell Lines. , 2005, , 907-915.		3
164	Using Antibody Arrays to Detect Protein-Protein Interactions. , 2005, , 916-935.		0
165	Molecular Cloning and Functional Expression of zfcx52.6. Journal of Biological Chemistry, 2004, 279, 2913-2921.	1.6	48
166	Potent block of Cx36 and Cx50 gap junction channels by mefloquine. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12364-12369.	3.3	315
167	Modifications in the Biophysical Properties of Connexin43 Channels by a Peptide of the Cytoplasmic Loop Region. Circulation Research, 2004, 95, e22-8.	2.0	65
168	Regulation of Connexin43 Protein Complexes by Intracellular Acidification. Circulation Research, 2004, 94, 215-222.	2.0	115
169	Structural Changes in the Carboxyl Terminus of the Gap Junction Protein Connexin43 Indicates Signaling between Binding Domains for c-Src and Zonula Occludens-1. Journal of Biological Chemistry, 2004, 279, 54695-54701.	1.6	174
170	The role of the glycocalyx in reorganization of the actin cytoskeleton under fluid shear stress: A "bumper-car" model. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16483-16488.	3.3	277
171	Alterations of intercellular communication in neonatal cardiac myocytes from connexin43 null mice. Cardiovascular Research, 2004, 62, 397-406.	1.8	22
172	Characterization of connexin 30.3 and 43 in thymocytes. Immunology Letters, 2004, 94, 65-75.	1.1	22
173	pH-Dependent Dimerization of the Carboxyl Terminal Domain of Cx43. Biophysical Journal, 2004, 87, 574-581.	0.2	54
174	Endotoxin unmasks the role of gap junctions in the liver. Biochemical and Biophysical Research Communications, 2004, 322, 718-726.	1.0	19
175	The role of aquaporin-4 in the blood-brain barrier development and integrity: Studies in animal and cell culture models. Neuroscience, 2004, 129, 935-944.	1.1	191
176	Gene expression alterations in connexin null mice extend beyond the gap junction. Neurochemistry International, 2004, 45, 243-250.	1.9	74
177	Mechanisms of glutamate release from astrocytes: gap junction hemichannels, purinergic receptors and exocytotic release. Neurochemistry International, 2004, 45, 259-264.	1.9	148
178	Cell-Cell Communication: An Overview Emphasizing Gap Junctions. , 2004, , 431-458.		5
179	Gap junction mutations in human disease. Advances in Molecular and Cell Biology, 2004, , 161-187.	0.1	1
180	Molecular Organization and Regulation of the Cardiac Gap Junction Channel Connexin43. , 2004, , 66-76.		6

#	ARTICLE	IF	CITATIONS
181	Prospects for Pharmacologic Targeting of Gap Junction Channels. , 2004, , 158-167.		4
182	Microarray analysis of changes in gene expression in a murine model of chronic chagasic cardiomyopathy. Parasitology Research, 2003, 91, 187-196.	0.6	72
183	Acute downregulation of Cx43 alters P2Y receptor expression levels in mouse spinal cord astrocytes. Glia, 2003, 42, 160-171.	2.5	65
184	Kinetics of Protein-Protein Interactions of Connexins: Use of Enzyme Linked Sorbent Assays. Cell Communication and Adhesion, 2003, 10, 207-210.	1.0	3
185	Closure of Gap Junction Channels by Arylamino benzoates. Molecular Pharmacology, 2003, 63, 1389-1397.	1.0	92
186	Following Tracks of Hemichannels. Cell Communication and Adhesion, 2003, 10, 335-340.	1.0	9
187	Array analysis of gene expression in connexin-43 null astrocytes. Physiological Genomics, 2003, 15, 177-190.	1.0	97
188	P2Y <sub>1</sub> Receptor Activation Enhances the Rate of Rat Pinealocyte-Induced Extracellular Acidification via a Calcium-Dependent Mechanism. Pharmacology, 2003, 69, 33-37.	0.9	13
189	Fluid shear stress remodels expression and function of junctional proteins in cultured bone cells. American Journal of Physiology - Cell Physiology, 2003, 284, C389-C403.	2.1	88
190	The astrocytic syncytium. Advances in Molecular and Cell Biology, 2003, , 165-179.	0.1	10
191	Gap Junctions Mediate Bystander Cell Death in Developing Retina. Journal of Neuroscience, 2003, 23, 6413-6422.	1.7	116
192	Molecular Basis for Pacemaker Cells in Epithelia. Journal of Biological Chemistry, 2002, 277, 16313-16323.	1.6	46
193	pH-Dependent Intramolecular Binding and Structure Involving Cx43 Cytoplasmic Domains. Journal of Biological Chemistry, 2002, 277, 36706-36714.	1.6	157
194	Prospects for Rational Development of Pharmacological Gap Junction Channel Blockers. Current Drug Targets, 2002, 3, 455-464.	1.0	76
195	Connexin Family Members Target to Lipid Raft Domains and Interact with Caveolin-1. Biochemistry, 2002, 41, 5754-5764.	1.2	234
196	Cx32 Formation and/or Cx32-Mediated Intercellular Communication Induces Expression and Function of Tight Junctions in Hepatocytic Cell Line. Experimental Cell Research, 2002, 276, 40-51.	1.2	75
197	Formation of the gap junction nexus: binding partners for connexins. Journal of Physiology (Paris), 2002, 96, 243-249.	2.1	111
198	Sequence-specific resonance assignment of the carboxyl terminal domain of Connexin43. Journal of Biomolecular NMR, 2002, 23, 245-246.	1.6	35

#	ARTICLE	IF	CITATIONS
199	Intercellular Ca <sup>2+</sup> -Signaling in the Cardiovascular System. Basic Science for the Cardiologist, 2002, , 109-141.	0.1	0
200	Improved procedures to mine data obtained from spotted cDNA arrays. Journal of Biomolecular Techniques, 2002, 13, 5-19.	0.8	6
201	Hits and misses from gene expression ratio measurements in cDNA microarray studies. Journal of Biomolecular Techniques, 2002, 13, 143-57.	0.8	6
202	How to Close a Gap Junction Channel: Efficacies and Potencies of Uncoupling Agents. , 2001, 154, 447-476.		175
203	Cytokine Regulation of Gap Junction Connectivity. American Journal of Pathology, 2001, 158, 1565-1569.	1.9	18
204	GROWTH-SUPPRESSIVE FUNCTION OF HUMAN CONNEXIN32 IN A CONDITIONAL IMMORTALIZED MOUSE HEPATOCYTE CELL LINE. In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 589.	0.7	4
205	Functional Demonstration of Connexin <sup>32</sup> Protein Binding Using Surface Plasmon Resonance. Cell Communication and Adhesion, 2001, 8, 225-229.	1.0	12
206	A Novel Casein Kinase 2 $\beta$ -Subunit Regulates Membrane Protein Traffic in the Human Hepatoma Cell Line HuH-7. Journal of Biological Chemistry, 2001, 276, 2075-2082.	1.6	58
207	Gap junction expression and cell proliferation in differentiating cultures of Cx43 KO mouse hepatocytes. American Journal of Physiology - Renal Physiology, 2001, 281, G1004-G1013.	1.6	22
208	Calmodulin Kinase Pathway Mediates the K <sup>+</sup> -Induced Increase in Gap Junctional Communication between Mouse Spinal Cord Astrocytes. Journal of Neuroscience, 2001, 21, 6635-6643.	1.7	97
209	Gap Junction-Mediated Bidirectional Signaling between Human Fetal Hippocampal Neurons and Astrocytes. Developmental Neuroscience, 2001, 23, 420-431.	1.0	44
210	Renal morphology in connexin43 knockout mice. Pediatric Nephrology, 2001, 16, 467-471.	0.9	10
211	Gap Junction Channels and Healing-Over of Injury. , 2001, , 149-172.		2
212	Quinine blocks specific gap junction channel subtypes. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10942-10947.	3.3	191
213	Intercellular Communication in Spinal Cord Astrocytes: Fine Tuning between Gap Junctions and P2 Nucleotide Receptors in Calcium Wave Propagation. Journal of Neuroscience, 2000, 20, 1435-1445.	1.7	186
214	Slow intercellular Ca <sup>2+</sup> signaling in wild-type and Cx43-null neonatal mouse cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H3076-H3088.	1.5	27
215	Reciprocal Regulation of the Junctional Proteins Claudin-1 and Connexin43 by Interleukin-1 $\beta$ in Primary Human Fetal Astrocytes. Journal of Neuroscience, 2000, 20, RC114-RC114.	1.7	130
216	Gap junction function. Advances in Molecular and Cell Biology, 2000, , 263-322.	0.1	23

#	ARTICLE	IF	CITATIONS
217	KATP Channels Regulate Mitogenically Induced Proliferation in Primary Rat Hepatocytes and Human Liver Cell Lines. <i>Journal of Biological Chemistry</i> , 2000, 275, 26050-26057.	1.6	82
218	Properties of Gap Junction Channels Formed by Cx46 Alone and in Combination with Cx50. <i>Biophysical Journal</i> , 2000, 79, 1954-1966.	0.2	82
219	Connexin43 null mice reveal that astrocytes express multiple connexins. <i>Brain Research Reviews</i> , 2000, 32, 45-56.	9.1	191
220	Gap junctions in the nervous system. <i>Brain Research Reviews</i> , 2000, 32, 11-15.	9.1	150
221	Gap junctions: the "kiss of death" and the "kiss of life". <i>Brain Research Reviews</i> , 2000, 32, 308-315.	9.1	129
222	Wnt-1 regulation of connexin43 in cardiac myocytes. <i>Journal of Clinical Investigation</i> , 2000, 105, 161-171.	3.9	317
223	Functional Properties of Channels Formed by the Neuronal Gap Junction Protein Connexin36. <i>Journal of Neuroscience</i> , 1999, 19, 9848-9855.	1.7	258
224	TPA Induced Expression and Function of Human Connexin 26 by Post-Translational Mechanisms in Stably Transfected Neuroblastoma Cells.. <i>Cell Structure and Function</i> , 1999, 24, 435-441.	0.5	13
225	IL-1beta differentially regulates calcium wave propagation between primary human fetal astrocytes via pathways involving P2 receptors and gap junction channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 11613-11618.	3.3	182
226	Inhibition of Endothelial Cell Migration, Intercellular Communication, and Vascular Tube Formation by Thromboxane A2. <i>Journal of Biological Chemistry</i> , 1999, 274, 35562-35570.	1.6	135
227	Gap-junctional coupling between neurons and astrocytes in primary central nervous system cultures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 7541-7546.	3.3	158
228	Voltage dependence of macroscopic and unitary currents of gap junction channels formed by mouse connexin50 expressed in rat neuroblastoma cells. <i>Journal of Physiology</i> , 1999, 517, 673-689.	1.3	97
229	Characteristics of Gap Junction Channels in Schwann Cells from Wild-Type and Connexin-Null Mice. <i>Annals of the New York Academy of Sciences</i> , 1999, 883, 533-537.	1.8	18
230	Deficient assembly and function of gap junctions in Trf1, a trafficking mutant of the human liver-derived cell line HuH-7. <i>Hepatology</i> , 1999, 30, 740-747.	3.6	18
231	Induction of Tight Junctions in Human Connexin 32 (hCx32)-Transfected Mouse Hepatocytes: Connexin 32 Interacts with Occludin. <i>Biochemical and Biophysical Research Communications</i> , 1999, 266, 222-229.	1.0	87
232	Chapter 7: Intercellular Calcium Wave Communication via Gap Junction Dependent and Independent Mechanisms. <i>Current Topics in Membranes</i> , 1999, , 145-173.	0.5	8
233	Gap Junctions in Glia. <i>Advances in Experimental Medicine and Biology</i> , 1999, , 339-359.	0.8	39
234	Gap junction disappearance in astrocytes and leptomeningeal cells as a consequence of protozoan infection. <i>Brain Research</i> , 1998, 790, 304-314.	1.1	38

#	ARTICLE	IF	CITATIONS
235	From neuro-glue (â€˜nervenkittâ€™™) to glia: A prologue. , 1998, 24, 1-7.		73
236	Calcium waves between astrocytes from Cx43 knockout mice. , 1998, 24, 65-73.		115
237	Increased intercellular communication in mouse astrocytes exposed to hyposmotic shocks. , 1998, 24, 74-84.		31
238	Decreased gap-junctional communication associated with segregation of the neuronal phenotype in the RT4 cell-line family. Cell and Tissue Research, 1998, 292, 27-35.	1.5	7
239	Gap Junction Proteins. Circulation Research, 1998, 83, 679-681.	2.0	41
240	Changes in the Properties of Gap Junctions during Neuronal Differentiation of Hippocampal Progenitor Cells. Journal of Neuroscience, 1998, 18, 1753-1762.	1.7	100
241	Phosphorylation of Connexin43 and the Regulation of Neonatal Rat Cardiac Myocyte Gap Junctions. Journal of Molecular and Cellular Cardiology, 1997, 29, 2131-2145.	0.9	144
242	The bystander effect exerted by tumor cells expressing the herpes simplex virus thymidine kinase (HSVtk) gene is dependent on connexin expression and cell communication via gap junctions. Gene Therapy, 1997, 4, 577-585.	2.3	101
243	A new system for credit allocation in science: Comments from a biomedical researcher. Science and Engineering Ethics, 1997, 3, 265-266.	1.7	0
244	Cardiac Myocytes Gap Junctions: Phosphorylation of CX43 through a Protein Kinase C-Dependent Pathway. , 1997, , 381-394.		0
245	Molecular Physiology of Gap Junction Channels Formed by Connexin43. , 1997, , 407-425.		1
246	Altered Connexin Expression after Peripheral Nerve Injury. Molecular and Cellular Neurosciences, 1996, 7, 501-518.	1.0	91
247	TNFÎ± Inhibits Schwann Cell Proliferation, Connexin46 Expression, and Gap Junctional Communication. Molecular and Cellular Neurosciences, 1996, 7, 479-500.	1.0	64
248	Correlation of Expression of Connexin mRNA Isoforms with Degree of Cellular Differentiation. Cell Adhesion and Communication, 1996, 4, 223-235.	1.7	24
249	C-erbB2/neuTransfection Induces Gap Junctional Communication Incompetence in Glial Cells. Journal of Neuroscience, 1996, 16, 4311-4321.	1.7	47
250	Adenosine 5â€™-triphosphate (ATP) receptors induce intracellular calcium changes in mouse leydig cells. Endocrine, 1996, 4, 239-247.	2.2	10
251	Properties of connexin40 gap junction channels endogenously expressed and exogenously overexpressed in human choriocarcinoma cell lines. Pflugers Archiv European Journal of Physiology, 1996, 432, 501-509.	1.3	36
252	Gap Junctions in the Nervous System: An Introduction. Neuroscience Intelligence Unit, 1996, , 1-11.	0.5	11

#	ARTICLE	IF	CITATIONS
253	Temporal Expression of Gap Junctions During Neuronal Ontogeny. Neuroscience Intelligence Unit, 1996, , 261-277.	0.5	5
254	Physiological Properties of Gap Junction Channels in the Nervous System. Neuroscience Intelligence Unit, 1996, , 39-59.	0.5	25
255	Gap Junctions in Vascular Tissues. Circulation Research, 1996, 79, 631-646.	2.0	228
256	Functional gap junctions in thymic epithelial cells are formed by connexin 43. European Journal of Immunology, 1995, 25, 431-437.	1.6	62
257	Effects of cGMP-dependent phosphorylation on rat and human connexin43 gap junction channels. Pflugers Archiv European Journal of Physiology, 1995, 430, 770-778.	1.3	95
258	Reversible Intercellular Coupling by Regulated Expression of a Gap Junction Channel Gene. Cell Adhesion and Communication, 1995, 3, 353-365.	1.7	11
259	X-linked dominant Charcot- <i>Marie-Tooth</i> disease and other potential gap-junction diseases of the nervous system. Trends in Neurosciences, 1995, 18, 256-262.	4.2	25
260	Cloning and in situ localization of a brain-derived porin that constitutes a large-conductance anion channel in astrocytic plasma membranes.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 499-503.	3.3	139
261	Human connexin43 gap junction channels. Regulation of unitary conductances by phosphorylation.. Circulation Research, 1994, 74, 1050-1057.	2.0	249
262	Nor epinephrine induces Ca <sup>2+</sup> release from intracellular stores in rat pinealocytes. Journal of Pineal Research, 1994, 16, 57-64.	3.4	17
263	Conduction Defects and Arrhythmias in Chagas' Disease... Journal of Cardiovascular Electrophysiology, 1994, 5, 686-698.	0.8	56
264	Gap junction channels: distinct voltage-sensitive and -insensitive conductance states. Biophysical Journal, 1994, 67, 113-119.	0.2	159
265	mRNAs encoding muscarinic and substance P receptors in cultured sympathetic neurons are differentially regulated by LIF or CNTF. Developmental Biology, 1994, 164, 528-539.	0.9	36
266	Cytokine regulation of neuronal differentiation of hippocampal progenitor cells. Nature, 1993, 362, 62-65.	13.7	286
267	Identification of proximal and distal regulatory elements of the rat connexin32 gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 197-204.	2.4	25
268	Effect of tumor promoting stimuli on gap junction permeability and connexin 43 expression in ARL 18 rat liver cell line. Archives of Toxicology, 1993, 67, 565-572.	1.9	29
269	Evidence that Myocardial Pertussis Toxin Substrates are Uniquely Altered in Acute Murine Chagas' Disease in a Manner Unrelated to Myocardial Dysfunction. Journal of Molecular and Cellular Cardiology, 1993, 25, 1293-1304.	0.9	3
270	Gap junctions in the brain: where, what type, how many and why?. Trends in Neurosciences, 1993, 16, 186-192.	4.2	481

#	ARTICLE	IF	CITATIONS
271	Cytokine-induced programmed death of cultured sympathetic neurons. <i>Neuron</i> , 1993, 11, 1123-1132.	3.8	107
272	Rat connexin43: regulation by phosphorylation in heart. , 1993, , 275-281.		14
273	Phosphorylation shifts unitary conductance and modifies voltage dependent kinetics of human connexin43 gap junction channels. <i>Biophysical Journal</i> , 1992, 62, 51-53.	0.2	156
274	Perâ€™no link to gap junctions. <i>Nature</i> , 1992, 360, 542-542.	13.7	13
275	Heterogeneity in gap junction expression in astrocytes cultured from different brain regions. <i>Glia</i> , 1992, 6, 213-221.	2.5	80
276	Intercellular communication through gap junctions: A potential role in pharmacomechanical coupling and syncytial tissue contraction in vascular smooth muscle isolated from the human corpus cavernosum. <i>Life Sciences</i> , 1991, 49, PL195-PL200.	2.0	59
277	In vivo modulation of connexin 43 gene expression and junctional coupling of pancreatic B-cells. <i>Experimental Cell Research</i> , 1991, 192, 469-480.	1.2	84
278	Biophysical properties of gap junctions between freshly dispersed pairs of mouse pancreatic beta cells. <i>Biophysical Journal</i> , 1991, 59, 76-92.	0.2	157
279	Gap junctions: New tools, new answers, new questions. <i>Neuron</i> , 1991, 6, 305-320.	3.8	931
280	Involvement of gap junctions in tumorigenesis: transfection of tumor cells with connexin 32 cDNA retards growth in vivo.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 10701-10705.	3.3	237
281	Functional analysis of human cardiac gap junction channel mutants.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3525-3529.	3.3	150
282	Phosphorylation of connexin 32, a hepatocyte gap-junction protein, by cAMP-dependent protein kinase, protein kinase C and Ca <sup>2+</sup> /calmodulin-dependent protein kinase II. <i>FEBS Journal</i> , 1990, 192, 263-273.	0.2	171
283	The gap junction family: structure, function and chemistry. <i>Anatomy and Embryology</i> , 1990, 182, 517-28.	1.5	132
284	Molecular characterization and functional expression of the human cardiac gap junction channel.. <i>Journal of Cell Biology</i> , 1990, 111, 589-598.	2.3	203
285	Expression of gap junction channels in communication-incompetent cells after stable transfection with cDNA encoding connexin 32.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 1328-1331.	3.3	130
286	Hepatocyte Gap Junctions: Metabolic Regulation and Possible Role in Liver Metabolism. , 1990, , 231-243.		7
287	Electrophysiological Properties of Gap Junction Channels. , 1990, , 63-85.		7
288	Volatile anesthetics block intercellular communication between neonatal rat myocardial cells.. <i>Circulation Research</i> , 1989, 65, 829-837.	2.0	189

#	ARTICLE	IF	CITATIONS
289	Junctional communication is induced in migrating capillary endothelial cells.. Journal of Cell Biology, 1989, 109, 3027-3038.	2.3	109
290	Neuronal analysis of pharyngeal peristalsis in the gastropod Navanax in terms of identified motoneurons innervating identified muscle bands. I. Muscle band identifiability. Brain Research, 1989, 502, 258-265.	1.1	2
291	Neuronal analysis of pharyngeal peristalsis in the gastropod Navanax in terms of identified motoneurons innervating identified muscle bands. II. Radial and circumferential motor fields. Brain Research, 1989, 502, 266-279.	1.1	7
292	Ionic coupling and mitotic synchrony of siblings in a Drosophila cell line. Experimental Cell Research, 1989, 184, 509-517.	1.2	14
293	Differential expression of three gap junction proteins in developing and mature brain tissues.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 10148-10152.	3.3	493
294	Hepatocyte gap junctions are permeable to the second messenger, inositol 1,4,5-trisphosphate, and to calcium ions.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 2708-2712.	3.3	564
295	Stationary and non-stationary occurrences of miniature end plate potentials are well described as stationary and non-stationary Poisson processes in the mollusc Navanax inermis. Brain Research, 1988, 454, 244-250.	1.1	3
296	Neuronal growth factors: lessons from nonneural tissues. Neurochemistry International, 1988, 12, 425-430.	1.9	1
297	Single-channel events and gating behavior of the cardiac gap junction channel.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 3431-3434.	3.3	185
298	The Drosophila clock gene per affects intercellular junctional communication. Nature, 1987, 328, 686-691.	13.7	99
299	Proteoglycans and glycosaminoglycans induce gap junction synthesis and function in primary liver cultures.. Journal of Cell Biology, 1987, 105, 541-551.	2.3	221
300	Glycosaminoglycans and proteoglycans induce gap junction expression and restore transcription of tissue-specific mRNAs in primary liver cultures. Hepatology, 1987, 7, 1S-9S.	3.6	97
301	cAMP increases junctional conductance and stimulates phosphorylation of the 27-kDa principal gap junction polypeptide.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 2473-2477.	3.3	351
302	Pharyngeal movements during feeding sequences in Navanax inermis: a cinematographic analysis. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1984, 155, 209-218.	0.7	11
303	Developmental uncoupling between blastoderm and yolk cell in the embryo of the teleost Fundulus. Developmental Biology, 1984, 102, 483-487.	0.9	25
304	Gating of gap junction channels. Biophysical Journal, 1984, 45, 219-230.	0.2	131
305	Gap junctions and septate-like junctions between neurons of the opisthobranch mollusc Navanax inermis. Journal of Neurocytology, 1983, 12, 831-846.	1.6	14
306	Gap junctional conductance: comparison of sensitivities to H and Ca ions.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 441-445.	3.3	164

#	ARTICLE	IF	CITATIONS
307	Equilibrium properties of a voltage-dependent junctional conductance.. Journal of General Physiology, 1981, 77, 77-93.	0.9	386
308	Kinetic properties of a voltage-dependent junctional conductance.. Journal of General Physiology, 1981, 77, 95-117.	0.9	242
309	Voltage dependence of junctional conductance in early amphibian embryos. Science, 1979, 204, 432-434.	6.0	193
310	Permeability of gap junctions between embryonic cells of Fundulus: A reevaluation. Developmental Biology, 1978, 65, 114-125.	0.9	106
311	Gap and Tight Junctions in Liver: Composition, Regulation, and Function. , 0, , 201-220.		13