

Bruce J Nicholson

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,365
citations

331670

21
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

1939
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective transfer of endogenous metabolites through gap junctions composed of different connexins. <i>Nature Cell Biology</i> , 1999, 1, 457-459.	10.3	284
2	The Permeability of Gap Junction Channels to Probes of Different Size Is Dependent on Connexin Composition and Permeant-Pore Affinities. <i>Biophysical Journal</i> , 2004, 87, 958-973.	0.5	231
3	Structural organization of gap junction channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1711, 99-125.	2.6	204
4	The Pattern of Disulfide Linkages in the Extracellular Loop Regions of Connexin 32 Suggests a Model for the Docking Interface of Gap Junctions. <i>Journal of Cell Biology</i> , 1998, 140, 1187-1197.	5.2	188
5	Structure of gap junction intercellular channels. <i>Current Opinion in Structural Biology</i> , 1996, 6, 183-192.	5.7	184
6	Dissection of the Molecular Basis of pp60v-src Induced Gating of Connexin 43 Gap Junction Channels. <i>Journal of Cell Biology</i> , 1999, 144, 1033-1045.	5.2	161
7	Identification of a proline residue as a transduction element involved in voltage gating of gap junctions. <i>Nature</i> , 1993, 365, 847-849.	27.8	159
8	The role of connexins in ear and skin physiology – Functional insights from disease-associated mutations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 167-178.	2.6	106
9	Different Ionic Selectivities for Connexins 26 and 32 Produce Rectifying Gap Junction Channels. <i>Biophysical Journal</i> , 1999, 77, 2968-2987.	0.5	92
10	Mutation of a Conserved Threonine in the Third Transmembrane Helix of β - and β -Connexins Creates a Dominant-negative Closed Gap Junction Channel. <i>Journal of Biological Chemistry</i> , 2006, 281, 7994-8009.	3.4	77
11	Comparative analysis of the gap junction protein from rat heart and liver: Is there a tissue specificity of gap junctions?. <i>Cell</i> , 1983, 35, 539-549.	28.9	70
12	Gap junctions – from cell to molecule. <i>Journal of Cell Science</i> , 2003, 116, 4479-4481.	2.0	70
13	Asymmetric Configurations and N-terminal Rearrangements in Connexin26 Gap Junction Channels. <i>Journal of Molecular Biology</i> , 2011, 405, 724-735.	4.2	63
14	Direct Isolation and Analysis of Endogenous Transjunctional ADP from Cx43 Transfected C6 Glioma Cells. <i>Experimental Cell Research</i> , 1998, 239, 82-92.	2.6	62
15	A Transient Diffusion Model Yields Unitary Gap Junctional Permeabilities from Images of Cell-to-Cell Fluorescent Dye Transfer Between <i>Xenopus</i> Oocytes. <i>Biophysical Journal</i> , 2004, 86, 2058-2077.	0.5	59
16	The contribution of <i>Chlamydia</i> -specific CD8 ⁺ T cells to upper genital tract pathology. <i>Immunology and Cell Biology</i> , 2016, 94, 208-212.	2.3	56
17	Isolation and characterization of gap junctions from tissue culture cells 1 Edited by W. Baumeister. <i>Journal of Molecular Biology</i> , 2002, 315, 587-600.	4.2	44
18	Size Selectivity Between Gap Junction Channels Composed of Different Connexins. <i>Cell Communication and Adhesion</i> , 2001, 8, 187-192.	1.0	43

#	ARTICLE	IF	CITATIONS
19	Cataract-Causing Mutation of Human Connexin 46 Impairs Gap Junction, but Increases Hemichannel Function and Cell Death. PLoS ONE, 2013, 8, e74732.	2.5	37
20	LRG1 is an adipokine that mediates obesity-induced hepatosteatosis and insulin resistance. Journal of Clinical Investigation, 2021, 131, .	8.2	30
21	Intercellular Redistribution of cAMP Underlies Selective Suppression of Cancer Cell Growth by Connexin26. PLoS ONE, 2013, 8, e82335.	2.5	27
22	Connexin 26 gap junction coupling selectively contributes to reduced adhesivity and increased cell migration. Journal of Cell Science, 2016, 129, 4399-4410.	2.0	23
23	Analysis of Four Connexin26 Mutant Gap Junctions and Hemichannels Reveals Variations in Hexamer Stability. Biophysical Journal, 2010, 98, 1809-1819.	0.5	22
24	Permeant-specific gating of connexin 30 hemichannels. Journal of Biological Chemistry, 2017, 292, 19999-20009.	3.4	19
25	Adipokines Deregulate Cellular Communication via Epigenetic Repression of <i>Gap Junction</i> Loci in Obese Endometrial Cancer. Cancer Research, 2019, 79, 196-208.	0.9	16
26	Coregulation of Multiple Signaling Mechanisms in pp60v-Src-Induced Closure of Cx43 Gap Junction Channels. Journal of Membrane Biology, 2012, 245, 495-506.	2.1	15
27	Connexins and cAMP Cross-Talk in Cancer Progression and Metastasis. Cancers, 2021, 13, 58.	3.7	10
28	The Role of Connexin 43 in Lung Disease. Life, 2020, 10, 363.	2.4	8
29	Connexin and Pannexin Based Channels in the Nervous System. , 2014, , 257-283.		2
30	Cellular junction and mesenchymal factors delineate an endometriosis-specific response of endometrial stromal cells to the mesothelium. Molecular and Cellular Endocrinology, 2022, 539, 111481.	3.2	2
31	A Closed Gap Junction Channel State Caused By A Single Site Mutation in the 3rd Transmembrane Helix. Microscopy and Microanalysis, 2004, 10, 1498-1499.	0.4	1
32	Insights into mechanisms of growth suppression by Cx26 in HeLa cells. FASEB Journal, 2006, 20, A936.	0.5	0
33	Induction of Gap Junctional Coupling by Secreted Factor(s) from Mesothelial Cells is Required for the Invasiveness of Endometriosis. FASEB Journal, 2018, 32, 533.17.	0.5	0