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List of Publications by Year
in descending order

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47 papers	1,867 citations	304743 22 h-index	302126 39 g-index
47 all docs	47 docs citations	47 times ranked	2323 citing authors

#	Article	IF	Citations
1	Gap Junctions. , 2012, 2, 1981-2035.		331
2	ZP123 Increases Gap Junctional Conductance and Prevents Reentrant Ventricular Tachycardia During Myocardial Ischemia in Open Chest Dogs. Journal of Cardiovascular Electrophysiology, 2003, 14, 510-520.	1.7	130
3	Identification of ischemia-regulated phosphorylation sites in connexin43: A possible target for the antiarrhythmic peptide analogue rotigaptide (ZP123). Journal of Molecular and Cellular Cardiology, 2006, 40, 790-798.	1.9	118
4	KCNE5 Induces Time- and Voltage-Dependent Modulation of the KCNQ1 Current. Biophysical Journal, 2002, 83, 1997-2006.	0.5	98
5	Managing the complexity of communication: regulation of gap junctions by post-translational modification. Frontiers in Pharmacology, 2013, 4, 130.	3.5	97
6	Loss-of-activity-mutation in the cardiac chloride-bicarbonate exchanger AE3 causes short QT syndrome. Nature Communications, 2017, 8, 1696.	12.8	88
7	Proteinâ€"Protein Interactions with Connexin 43: Regulation and Function. International Journal of Molecular Sciences, 2018, 19, 1428.	4.1	75
8	Connexins and Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029348.	5.5	73
9	The Antiarrhythmic Peptide Analog ZP123 Prevents Atrial Conduction Slowing During Metabolic Stress. Journal of Cardiovascular Electrophysiology, 2005, 16, 537-545.	1.7	65
10	Distinct permeation profiles of the connexin 30 and 43 hemichannels. FEBS Letters, 2014, 588, 1446-1457.	2.8	55
11	Sphingosine-1-phosphate reduces ischaemiaâ€"reperfusion injury by phosphorylating the gap junction protein Connexin43. Cardiovascular Research, 2016, 109, 385-396.	3.8	55
12	Phosphorylation of connexin43 on serine 306 regulates electrical coupling. Heart Rhythm, 2009, 6, 1632-1638.	0.7	54
13	Activation, Permeability, and Inhibition of Astrocytic and Neuronal Large Pore (Hemi)channels. Journal of Biological Chemistry, 2014, 289, 26058-26073.	3.4	45
14	Diet-induced pre-diabetes slows cardiac conductance and promotes arrhythmogenesis. Cardiovascular Diabetology, 2015, 14, 87.	6.8	45
15	RXP-E. Circulation Research, 2008, 103, 519-526.	4.5	38
16	Treatment With the Gap Junction Modifier Rotigaptide (ZP123) Reduces Infarct Size in Rats With Chronic Myocardial Infarction. Journal of Cardiovascular Pharmacology, 2006, 47, 236-242.	1.9	34
17	Maxi K+ channels co-localised with CFTR in the apical membrane of an exocrine gland acinus: possible involvement in secretion. Pflugers Archiv European Journal of Physiology, 2001, 442, 1-11.	2.8	33
18	Probenecid Inhibits Î±-Adrenergic Receptorâ€"Mediated Vasoconstriction in the Human Leg Vasculature. Hypertension, 2018, 71, 151-159.	2.7	32

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19	Pannexin 1 activation and inhibition is permeantâ€selective. Journal of Physiology, 2020, 598, 361-379.	2.9	31
20	Connexin Hemichannels in Astrocytes: An Assessment of Controversies Regarding Their Functional Characteristics. Neurochemical Research, 2017, 42, 2537-2550.	3.3	30
21	Antiarrhythmic Mechanisms of SK Channel Inhibition in the Rat Atrium. Journal of Cardiovascular Pharmacology, 2015, 66, 165-176.	1.9	27
22	Myocardial impulse propagation is impaired in right ventricular tissue of Zucker Diabetic Fatty (ZDF) rats. Cardiovascular Diabetology, 2013, 12, 19.	6.8	26
23	Modulating cardiac conduction during metabolic ischemia with perfusate sodium and calcium in guinea pig hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H849-H861.	3.2	25
24	KCNQ channels are involved in the regulatory volume decrease response in primary neonatal rat cardiomyocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 764-773.	4.1	21
25	Norepinephrine inhibits intercellular coupling in rat cardiomyocytes by ubiquitination of connexin43 gap junctions. Cell Communication and Adhesion, 2011, 18, 57-65.	1.0	20
26	Connexin mimetic peptides fail to inhibit vascular conducted calcium responses in renal arterioles. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R840-R847.	1.8	19
27	Gap junctionsâ€“guards of excitability. Biochemical Society Transactions, 2015, 43, 508-512.	3.4	19
28	Permeant-specific gating of connexin 30 hemichannels. Journal of Biological Chemistry, 2017, 292, 19999-20009.	3.4	19
29	Increasing Gap Junctional Coupling: A Tool for Dissecting the Role of Gap Junctions. Journal of Membrane Biology, 2007, 216, 23-35.	2.1	18
30	Phosphatidylinositol-bisphosphate regulates intercellular coupling in cardiac myocytes. Pflugers Archiv European Journal of Physiology, 2008, 457, 303-313.	2.8	18
31	The angiotensin II type 1 receptor antagonist Losartan binds and activates bradykinin B2 receptor signaling. Regulatory Peptides, 2011, 167, 21-25.	1.9	17
32	Unsupervised Idealization of Ion Channel Recordings by Minimum Description Length: Application to Human PIEZO1-Channels. Frontiers in Neuroinformatics, 2017, 11, 31.	2.5	17
33	Protein kinase C-dependent regulation of connexin43 gap junctions and hemichannels. Biochemical Society Transactions, 2015, 43, 519-523.	3.4	16
34	Structural determinants underlying permeant discrimination of the Cx43 hemichannel. Journal of Biological Chemistry, 2019, 294, 16789-16803.	3.4	15
35	Isoform-specific phosphorylation-dependent regulation of connexin hemichannels. Journal of Neurophysiology, 2015, 114, 3014-3022.	1.8	13
36	T-type Ca²⁺channels and autoregulation of local blood flow. Channels, 2017, 11, 183-195.	2.8	9

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37	Quantitative proteomics characterization of acutely isolated primary adult rat cardiomyocytes and fibroblasts. Journal of Molecular and Cellular Cardiology, 2020, 143, 63-70.	1.9	9
38	Quantification of gap junctional intercellular communication based on digital image analysis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R243-R247.	1.8	8
39	Angiotensin II does not acutely regulate conduction velocity in rat atrial tissue. Scandinavian Journal of Clinical and Laboratory Investigation, 2011, 71, 492-499.	1.2	7
40	Uremia increases QRS duration afterÎ²-adrenergic stimulation in mice. Physiological Reports, 2018, 6, e13720.	1.7	6
41	Estimation of the effective intercellular diffusion coefficient in cell monolayers coupled by gap junctions. European Journal of Pharmaceutical Sciences, 2012, 46, 222-232.	4.0	4
42	Sympathetic vasoconstriction takes an unexpected pannexin detour. Science Signaling, 2015, 8, fs4.	3.6	4
43	Myocyte-fibroblast interactionsâ€"Risky connections. Heart Rhythm, 2009, 6, 1650-1651.	0.7	2
44	Acute intramyocardial lipid accumulation in rats does not slow cardiac conduction per se. Physiological Reports, 2019, 7, e14049.	1.7	1
45	Synopsis of the International Gap Junction Conference in Elsinore, Denmark August 5â€"9, 2007. Cell Communication and Adhesion, 2007, 14, 251-257.	1.0	0
46	Lateralized gap junctions in pulmonary hypertension: Lost but not alone. Heart Rhythm, 2012, 9, 1141-1142.	0.7	0
47	Myocardial infarction does not change Angiotensin II sensitivity of rat atria. FASEB Journal, 2006, 20, LB12.	0.5	0