Camillo Peracchia

List of Publications by Year
in descending order

62 papers	3,122 citations	126907 33 h-index	149698 56 g-index
66 all docs	66 docs citations	66 times ranked	1048 citing authors

#	Article	IF	Citations
1	Chemical gating of gap junction channels. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1662, 61-80.	2.6	246
2	Structural Correlates of Gap Junction Permeation. International Review of Cytology, 1980, 66, 81-146.	6.2	236
3	FIXATION BY MEANS OF GLUTARALDEHYDE-HYDROGEN PEROXIDE REACTION PRODUCTS. Journal of Cell Biology, 1972, 53, 234-238.	5.2	211
4	LOW RESISTANCE JUNCTIONS IN CRAYFISH. Journal of Cell Biology, 1973, 57, 66-76.	5.2	176
5	Calcium effects on gap junction structure and cell coupling. Nature, 1978, 271, 669-671.	27.8	152
6	LOW RESISTANCE JUNCTIONS IN CRAYFISH. Journal of Cell Biology, 1973, 57, 54-65.	5.2	130
7	Gap junction gating sensitivity to physiological internal calcium regardless of pH in Novikoff hepatoma cells. Biophysical Journal, 1993, 65, 2002-2012.	0.5	124
8	Two distinct gating mechanisms in gap junction channels: CO2-sensitive and voltage-sensitive. Biophysical Journal, 1997, 72, 2137-2142.	0.5	113
9	Lens cell-to-cell channel protein: I. Self-assembly into liposomes and permeability regulation by calmodulin. Journal of Membrane Biology, 1985, 83, 217-225.	2.1	103
10	Calmodulin Directly Gates Gap Junction Channels. Journal of Biological Chemistry, 2000, 275, 26220-26224.	3.4	100
11	Inhibition of calmodulin expression prevents low-pH-induced gap junction uncoupling inXenopus oocytes. Pflugers Archiv European Journal of Physiology, 1996, 431, 379-387.	2.8	87
12	EXCITABLE MEMBRANE ULTRASTRUCTURE. Journal of Cell Biology, 1974, 61, 107-122.	5.2	81
13	Is calmodulin involved in the regulation of gap junction permeability?. Pflugers Archiv European Journal of Physiology, 1983, 399, 152-154.	2.8	77
14	Effects of the anesthetics heptanol, halothane and isoflurane on gap junction conductance in crayfish septate axons: A calcium- and hydrogen-independent phenomenon potentiated by caffeine and theophylline, and inhibited by 4-aminopyridine. Journal of Membrane Biology, 1991, 121, 67-78.	2.1	74
15	The paranodal axo-glial junction in the central nervous system studied with thin sections and freeze-fracture. Neuroscience, 1976, 1, 181-190.	2.3	72
16	Increase in gap junction resistance with acidification in crayfish septate axons is closely related to changes in intracellular calcium but not hydrogen ion concentration. Journal of Membrane Biology, 1990, 113, 75-92.	2.1	70
17	Is the chemical gate of connexins voltage sensitive? Behavior of Cx32 wild-type and mutant channels. American Journal of Physiology - Cell Physiology, 1999, 276, C1361-C1373.	4.6	69
18	Chimeric evidence for a role of the connexin cytoplasmic loop in gap junction channel gating. Pflugers Archiv European Journal of Physiology, 1996, 431, 844-852.	2.8	54

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19	Communicating junctions and calmodulin: Inhibition of electrical uncoupling inXenopus embryo by calmidazolium. Journal of Membrane Biology, 1984, 81, 49-58.	2.1	52
20	Calmodulin interacts with a C-terminus peptide from the lens membrane protein MIP26. Current Eye Research, 1991, 10, 839-849.	1.5	51
21	Channel reconstitution in liposomes and planar bilayers with HPLC-purified MIP26 of bovine lens. Journal of Membrane Biology, 1991, 124, 21-32.	2.1	50
22	Positive charges of the initial C-terminus domain of Cx32 inhibit gap junction gating sensitivity to CO2. Biophysical Journal, 1997, 73, 798-806.	0.5	48
23	New glutaraldehyde fixation procedures. Journal of Ultrastructure Research, 1972, 39, 57-64.	1.1	46
24	Ca-mediated and independent effects of arachidonic acid on gap junctions and Ca-independent effects of oleic acid and halothane. Biophysical Journal, 1994, 67, 1052-1059.	0.5	45
25	INCREASE IN OSMIOPHILIA OF AXONAL MEMBRANES OF CRAYFISH AS A RESULT OF ELECTRICAL STIMULATION, ASPHYXIA, OR TREATMENT WITH REDUCING AGENTS. Journal of Cell Biology, 1971, 51, 223-239.	5.2	43
26	Interactions of connexins with other membrane channels and transporters. Progress in Biophysics and Molecular Biology, 2007, 94, 233-244.	2.9	42
27	Calmodulin-like proteins and communicating junctions. Pflugers Archiv European Journal of Physiology, 1987, 408, 379-385.	2.8	41
28	Calmodulin Colocalizes with Connexins and Plays a Direct Role in Gap Junction Channel Gating. Cell Communication and Adhesion, 2001, 8, 277-281.	1.0	41
29	Direct communication between axons and sheath glial cells in crayfish. Nature, 1981, 290, 597-598.	27.8	40
30	Calmodulin Association with Connexin32-derived Peptides Suggests trans-Domain Interaction in Chemical Gating of Gap Junction Channels. Journal of Biological Chemistry, 2008, 283, 26911-26920.	3.4	40
31	A SYSTEM OF PARALLEL SEPTA IN CRAYFISH NERVE FIBERS. Journal of Cell Biology, 1970, 44, 125-133.	5.2	38
32	Crystallization of intramembrane particles in rabbit sarcoplasmic reticulum vesicles by vanadate. Journal of Muscle Research and Cell Motility, 1984, 5, 431-442.	2.0	34
33	Lens cell-to-cel channel protein: II. Conformational change in the presence of calmodulin. Journal of Membrane Biology, 1985, 83, 227-233.	2.1	33
34	Effects of caffeine and raynodine on low pHi-induced changes in gap junction conductance and calcium concentration in crayfish septate axons. Journal of Membrane Biology, 1990, 117, 79-89.	2.1	33
35	Is the C-terminal arm of lens gap junction channel protein the channel gate?. Biochemical and Biophysical Research Communications, 1985, 133, 688-695.	2.1	31
36	Calmodulin-Mediated Regulation of Gap Junction Channels. International Journal of Molecular Sciences, 2020, 21, 485.	4.1	25

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37	Molecular dissection of a basic COOH-terminal domain of Cx32 that inhibits gap junction gating sensitivity. American Journal of Physiology - Cell Physiology, 1998, 275, C1384-C1390.	4.6	21
38	Chemical Gating of Gap Junction Channels. Methods, 2000, 20, 188-195.	3.8	21
39	Gap junction structure and function. Trends in Biochemical Sciences, 1977, 2, 26-31.	7.5	20
40	Inversion of both gating polarity and CO2 sensitivity of voltage gating with D3N mutation of Cx50. American Journal of Physiology - Cell Physiology, 2005, 288, C1381-C1389.	4.6	20
41	Molecular Models of Channel Interaction and Gating in Gap Junctions. , 1994, , 361-377.		19
42	Structure of membranes in crayfish muscle: comparison of phasic and tonic fibres. Journal of Muscle Research and Cell Motility, 1982, 3, 273-294.	2.0	17
43	Chimeric evidence for a role of the connexin cytoplasmic loop in gap junction channel gating. Pflugers Archiv European Journal of Physiology, 1996, 431, 844-852.	2.8	9
44	Calmodulin-Cork Model of Gap Junction Channel Gatingâ€"One Molecule, Two Mechanisms. International Journal of Molecular Sciences, 2020, 21, 4938.	4.1	9
45	The Voltage Gates of Connexin Channels are Sensitive to CO2. Cell Communication and Adhesion, 2003, 10, 233-237.	1.0	8
46	Cell Coupling. , 1985, , 81-130.		8
47	Direct Cell-Cell Communication via Membrane Pores, Gap Junction Channels, and Tunneling Nanotubes: Medical Relevance of Mitochondrial Exchange. International Journal of Molecular Sciences, 2022, 23, 6133.	4.1	8
48	Chapter 13: Behavior of Chemical and Slow Voltage-Sensitive Gates of Connexin Channels: The â€œCorkâ€• Gating Hypothesis. Current Topics in Membranes, 1999, 49, 271-295.	0.9	7
49	Unusual Slow Gating of Gap Junction Channels in Oocytes Expressing Connexin32 or Its COOH-Terminus Truncated Mutant. Journal of Membrane Biology, 2007, 215, 161-168.	2.1	7
50	Permeability and Regulation of Gap Junction Channels in Cells and in Artificial Lipid Bilayers. , 1987, , 65-102.		7
51	Calmodulin Interaction with Gap Junction Intracellular Loop Peptides. Biophysical Journal, 2018, 114, 468a.	0.5	6
52	Interplay between Cystic Fibrosis Transmembrane Regulator and Gap Junction Channels Made of Connexins 45, 40, 32 and 50 Expressed in Oocytes. Journal of Membrane Biology, 2006, 214, 1-8.	2.1	5
53	Calmodulin-Connexin Partnership in Gap Junction Channel Regulation-Calmodulin-Cork Gating Model. International Journal of Molecular Sciences, 2021, 22, 13055.	4.1	5
54	Connexin/Innexin Channels in Cytoplasmic Organelles. Are There Intracellular Gap Junctions? A Hypothesis!. International Journal of Molecular Sciences, 2020, 21, 2163.	4.1	4

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55	Gap Junction Channelopathies and Calmodulinopathies. Do Disease-Causing Calmodulin Mutants Affect Direct Cellâ€“Cell Communication?. International Journal of Molecular Sciences, 2021, 22, 9169.	4.1	3
56	Chapter 10: Distinct Behaviors of Chemical and Voltage Sensitive Gates of Gap Junction Channel. Current Topics in Membranes, 1999, 49, 207-221.	0.9	2
57	Gap-junction channel reconstitution in artificial bilayers and evidence for calmodulin binding sites in MIP26 and connexins from rat heart, liver and Xenopus embryo. , 1993, , 163-170.		2
58	Chemical and Voltage Gating of Gap Junction Channels Expressed in Xenopus Oocytes. Methods in Molecular Biology, 2020, 2346, 207-214.	0.9	1
59	Calmodulin-mediated gating of lens gap junction channels in vesicles. Proceedings Annual Meeting Electron Microscopy Society of America, 1984, 42, 134-137.	0.0	1
60	The cell on the move. Trends in Biochemical Sciences, 1978, 3, 216.	7.5	0
61	Gap Junction Structure in Coupled and Uncoupled Conditions. Developments in Cardiovascular Medicine, 1982, , 217-242.	0.1	0
62	Nanomolar calcium mediates gap junction gating by low pH in Novikoff cells. Progress in Cell Research, 1995, , 419-422.	0.3	0