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	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
2	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
3	Calmodulin-Connexin Partnership in Gap Junction Channel Regulation-Calmodulin-Cork Gating Model. International Journal of Molecular Sciences, 2021, 22, 13055.	4.1	5
4	Calmodulin-Cork Model of Gap Junction Channel Gatingâ€”One Molecule, Two Mechanisms. International Journal of Molecular Sciences, 2020, 21, 4938.	4.1	9
5	Chemical and Voltage Gating of Gap Junction Channels Expressed in Xenopus Oocytes. Methods in Molecular Biology, 2020, 2346, 207-214.	0.9	1
6	Calmodulin-Mediated Regulation of Gap Junction Channels. International Journal of Molecular Sciences, 2020, 21, 485.	4.1	25
7	Connexin/Innexin Channels in Cytoplasmic Organelles. Are There Intracellular Gap Junctions? A Hypothesis!. International Journal of Molecular Sciences, 2020, 21, 2163.	4.1	4
8	Calmodulin Interaction with Gap Junction Intracellular Loop Peptides. Biophysical Journal, 2018, 114, 468a.	0.5	6
9	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
10	Interactions of connexins with other membrane channels and transporters. Progress in Biophysics and Molecular Biology, 2007, 94, 233-244.	2.9	42
11	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
12	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
13	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
14	Chemical gating of gap junction channels. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1662, 61-80.	2.6	246
15	The Voltage Gates of Connexin Channels are Sensitive to CO2. Cell Communication and Adhesion, 2003, 10, 233-237.	1.0	8
16	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
17	Calmodulin Directly Gates Gap Junction Channels. Journal of Biological Chemistry, 2000, 275, 26220-26224.	3.4	100
18	Chemical Gating of Gap Junction Channels. Methods, 2000, 20, 188-195.	3.8	21

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19	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
20	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
21	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
22	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
23	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
24	Two distinct gating mechanisms in gap junction channels: CO2-sensitive and voltage-sensitive. Biophysical Journal, 1997, 72, 2137-2142.	0.5	113
25	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
26	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
27	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
28	Nanomolar calcium mediates gap junction gating by low pH in Novikoff cells. Progress in Cell Research, 1995, , 419-422.	0.3	0
29	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
30	Molecular Models of Channel Interaction and Gating in Gap Junctions. , 1994, , 361-377.		19
31	Gap junction gating sensitivity to physiological internal calcium regardless of pH in Novikoff hepatoma cells. Biophysical Journal, 1993, 65, 2002-2012.	0.5	124
32	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
33	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
34	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
35	Calmodulin interacts with a C-terminus peptide from the lens membrane protein MIP26. Current Eye Research, 1991, 10, 839-849.	1.5	51
36	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

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37	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
38	Calmodulin-like proteins and communicating junctions. Pflugers Archiv European Journal of Physiology, 1987, 408, 379-385.	2.8	41
39	Permeability and Regulation of Gap Junction Channels in Cells and in Artificial Lipid Bilayers. , 1987, , 65-102.		7
40	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
41	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
42	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
43	Cell Coupling. , 1985, , 81-130.		8
44	Communicating junctions and calmodulin: Inhibition of electrical uncoupling inXenopus embryo by calmidazolium. Journal of Membrane Biology, 1984, 81, 49-58.	2.1	52
45	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
46	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
47	Is calmodulin involved in the regulation of gap junction permeability?. Pflugers Archiv European Journal of Physiology, 1983, 399, 152-154.	2.8	77
48	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
49	Gap Junction Structure in Coupled and Uncoupled Conditions. Developments in Cardiovascular Medicine, 1982, , 217-242.	0.1	0
50	Direct communication between axons and sheath glial cells in crayfish. Nature, 1981, 290, 597-598.	27.8	40
51	Structural Correlates of Gap Junction Permeation. International Review of Cytology, 1980, 66, 81-146.	6.2	236
52	Calcium effects on gap junction structure and cell coupling. Nature, 1978, 271, 669-671.	27.8	152
53	The cell on the move. Trends in Biochemical Sciences, 1978, 3, 216.	7.5	0
54	Gap junction structure and function. Trends in Biochemical Sciences, 1977, 2, 26-31.	7.5	20

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55	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
56	EXCITABLE MEMBRANE ULTRASTRUCTURE. Journal of Cell Biology, 1974, 61, 107-122.	5.2	81
57	LOW RESISTANCE JUNCTIONS IN CRAYFISH. Journal of Cell Biology, 1973, 57, 54-65.	5.2	130
58	LOW RESISTANCE JUNCTIONS IN CRAYFISH. Journal of Cell Biology, 1973, 57, 66-76.	5.2	176
59	New glutaraldehyde fixation procedures. Journal of Ultrastructure Research, 1972, 39, 57-64.	1.1	46
60	FIXATION BY MEANS OF GLUTARALDEHYDE-HYDROGEN PEROXIDE REACTION PRODUCTS. Journal of Cell Biology, 1972, 53, 234-238.	5.2	211
61	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
62	A SYSTEM OF PARALLEL SEPTA IN CRAYFISH NERVE FIBERS. Journal of Cell Biology, 1970, 44, 125-133.	5.2	38