Carmen Valenzuela

List of Publications by Year in Descending Order

94 papers	2,532 citations	29 h-index	47 g-index
114 ext. papers	2,757 ext. citations	6.3 avg, IF	4.2 L-index

#	Paper	IF	Citations
94	Graphene Particles Interfere with Pro-Inflammatory Polarization of Human Macrophages: Functional and Electrophysiological Evidence (Adv. Biology 11/2021). *Advanced Biology*, **2021**, 5, 2170113		
93	K 1.3 channels are novel determinants of macrophage-dependent endothelial dysfunction in angiotensin II-induced hypertension in mice. *British Journal of Pharmacology*, **2021**, 178, 1836-1854	8.6	0
92	Identification of a critical binding site for local anaesthetics in the side pockets of K 1 channels. *British Journal of Pharmacology*, **2021**, 178, 3034-3048	8.6	1
91	Graphene Particles Interfere with Pro-Inflammatory Polarization of Human Macrophages: Functional and Electrophysiological Evidence. *Advanced Biology*, **2021**, 5, e2100882		0
90	The unconventional biogenesis of Kv7.1-KCNE1 complexes. *Science Advances*, **2020**, 6, eaay4472	14.3	7
89	Targeting the neuronal calcium sensor DREAM with small-molecules for Huntington's disease treatment. *Scientific Reports*, **2019**, 9, 7260	4.9	4
88	Activation of K 7 channels as a novel mechanism for NO/cGMP-induced pulmonary vasodilation. *British Journal of Pharmacology*, **2019**, 176, 2131-2145	8.6	11
87	Identification of IQM-266, a Novel DREAM Ligand That Modulates K4 Currents. *Frontiers in Molecular Neuroscience*, **2019**, 12, 11	6.1	2
86	Re-Education of Tumor Associated Macrophages by Trabectedin. *Biophysical Journal*, **2019**, 116, 539a-540a	2.9	2
85	Differential effect of Androctonus australis hector venom components on macrophage K channels: electrophysiological characterization. *European Biophysics Journal*, **2019**, 48, 1-13	1.9	4
84	Activation of Kv7 contributes to the relaxant effects of the NO/cGMP pathway in the pulmonary circulation. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO2-3-42	0	
83	D242N, a K7.1 LQTS mutation uncovers a key residue for I voltage dependence. *Journal of Molecular and Cellular Cardiology*, **2017**, 110, 61-69	5.8	8
82	Fludarabine Inhibits K1.3 Currents in Human B Lymphocytes. *Frontiers in Pharmacology*, **2017**, 8, 177	5.6	3
81	Activating transcription factor 6 derepression mediates neuroprotection in Huntington disease. *Journal of Clinical Investigation*, **2016**, 126, 627-38	15.9	32
80	In-Depth Study of the Interaction, Sensitivity, and Gating Modulation by PUFAs on K Channels; Interaction and New Targets. *Frontiers in Physiology*, **2016**, 7, 578	4.6	9
79	A new KCNQ1 mutation at the S5 segment that impairs its association with KCNE1 is responsible for short QT syndrome. *Cardiovascular Research*, **2015**, 107, 613-23	9.9	46
78	Elisidepsin Interacts Directly with Glycosylceramides in the Plasma Membrane of Tumor Cells to Induce Necrotic Cell Death. *PLoS ONE*, **2015**, 10, e0140782	3.7	11

77	Marine n-3 PUFAs modulate IKs gating, channel expression, and location in membrane microdomains. *Cardiovascular Research*, **2015**, 105, 223-32	9.9	15
76	Functional assembly of Kv7.1/Kv7.5 channels with emerging properties on vascular muscle physiology. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1522-30	9.4	21
75	PKC inhibition results in a Kv 1.5 + Kv 1.3 pharmacology closer to Kv 1.5 channels. *British Journal of Pharmacology*, **2014**, 171, 4914-26	8.6	1
74	Modulation of voltage-dependent and inward rectifier potassium channels by 15-epi-lipoxin-A4 in activated murine macrophages: implications in innate immunity. *Journal of Immunology*, **2013**, 191, 6136-46	5.3	24
73	Polyunsaturated Fatty acids modify the gating of kv channels. *Frontiers in Pharmacology*, **2012**, 3, 163	5.6	9
72	Stereoselective interactions between local anesthetics and ion channels. *Chirality*, **2012**, 24, 944-50	2.1	10
71	Effects of n-3 Polyunsaturated Fatty Acids on Cardiac Ion Channels. *Frontiers in Physiology*, **2012**, 3, 245	4.6	30
70	Protein kinase C (PKC) activity regulates functional effects of Kv1.3 subunit on KV1.5 channels: identification of a cardiac Kv1.5 channelosome. *Journal of Biological Chemistry*, **2012**, 287, 21416-28	5.4	15
69	Ceramide inhibits Kv currents and contributes to TP-receptor-induced vasoconstriction in rat and human pulmonary arteries. *American Journal of Physiology - Cell Physiology*, **2011**, 301, C186-94	5.4	19
68	Irvalec inserts into the plasma membrane causing rapid loss of integrity and necrotic cell death in tumor cells. *PLoS ONE*, **2011**, 6, e19042	3.7	25
67	Immunomodulation of voltage-dependent K+ channels in macrophages: molecular and biophysical consequences. *Journal of General Physiology*, **2010**, 135, 135-47	3.4	60
66	Kv1.5-Kv beta interactions: molecular determinants and pharmacological consequences. *Mini-Reviews in Medicinal Chemistry*, **2010**, 10, 635-42	3.2	8
65	Celecoxib blocks cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) channels: effects on cardiac action potentials. *Journal of Molecular and Cellular Cardiology*, **2010**, 49, 984-92	5.8	23
64	Immunomodulatory effects of diclofenac in leukocytes through the targeting of Kv1.3 voltage-dependent potassium channels. *Biochemical Pharmacology*, **2010**, 80, 858-66	6	65
63	Cell cycle-dependent expression of Kv1.5 is involved in myoblast proliferation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2008**, 1783, 728-36	4.9	32
62	Modulation of the atrial specific Kv1.5 channel by the n-3 polyunsaturated fatty acid, alpha-linolenic acid. *Journal of Molecular and Cellular Cardiology*, **2008**, 44, 323-35	5.8	32
61	Differential regulation of Na(v)beta subunits during myogenesis. *Biochemical and Biophysical Research Communications*, **2008**, 368, 761-6	3.4	7
60	Ultrafast sodium channel block by dietary fish oil prevents dofetilide-induced ventricular arrhythmias in rabbit hearts. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H1414-21	5.2	19

59	Voltage-dependent Na+ channel phenotype changes in myoblasts. Consequences for cardiac repair. *Cardiovascular Research*, **2007**, 76, 430-41	9.9	9
58	Kvbeta1.3 reduces the degree of stereoselective bupivacaine block of Kv1.5 channels. *Anesthesiology*, **2007**, 107, 641-51	4.3	17
57	The induction of NOS2 expression by the hybrid cecropin A-melittin antibiotic peptide CA(1-8)M(1-18) in the monocytic line RAW 264.7 is triggered by a temporary and reversible plasma membrane permeation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2006**, 1763, 110-9	4.9	5
56	{Omega}-3 and {omega}-6 polyunsaturated fatty acids block HERG channels. *American Journal of Physiology - Cell Physiology*, **2005**, 289, C1251-60	5.4	44
55	Interaction of angiotensin II with the angiotensin type 2 receptor inhibits the cardiac transient outward potassium current. *Cardiovascular Research*, **2004**, 62, 86-95	9.9	33
54	Pharmacology of cardiac potassium channels. *Cardiovascular Research*, **2004**, 62, 9-33	9.9	332
53	Effects of irbesartan on cloned potassium channels involved in human cardiac repolarization. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 304, 862-73	4.7	61
52	Spironolactone and its main metabolite, canrenoic acid, block human ether-a-go-go-related gene channels. *Circulation*, **2003**, 107, 889-95	16.7	64
51	Pharmacological electrical remodelling in human atria induced by chronic beta-blockade. *Cardiovascular Research*, **2003**, 58, 498-500	9.9	3
50	Effects of propafenone and its main metabolite, 5-hydroxypropafenone, on HERG channels. *Cardiovascular Research*, **2003**, 57, 660-9	9.9	20
49	Stereoselective Drug-Channel Interactions. *Handbook of Experimental Pharmacology*, **2003**, 199-228	3.2	1
48	Putative binding sites for benzocaine on a human cardiac cloned channel (Kv1.5). *Cardiovascular Research*, **2002**, 56, 104-17	9.9	33
47	Effects of levobupivacaine, ropivacaine and bupivacaine on HERG channels: stereoselective bupivacaine block. *British Journal of Pharmacology*, **2002**, 137, 1269-79	8.6	35
46	Assembly with the Kvbeta1.3 subunit modulates drug block of hKv1.5 channels. *Molecular Pharmacology*, **2002**, 62, 1456-63	4.3	35
45	Stereoselective effects of the enantiomers of a new local anaesthetic, IQB-9302, on a human cardiac potassium channel (Kv1.5). *British Journal of Pharmacology*, **2001**, 132, 385-92	8.6	9
44	Bupivacaine effects on hKv1.5 channels are dependent on extracellular pH. *British Journal of Pharmacology*, **2001**, 134, 359-69	8.6	6
43	Direct effects of candesartan and eprosartan on human cloned potassium channels involved in cardiac repolarization. *Molecular Pharmacology*, **2001**, 59, 825-36	4.3	33
42	Effects of a quaternary bupivacaine derivative on delayed rectifier K(+) currents. *British Journal of Pharmacology*, **2000**, 130, 391-401	8.6	15

41	Losartan and its metabolite E3174 modify cardiac delayed rectifier K(+) currents. *Circulation*, **2000**, 101, 1199-205	16.7	66
40	Functional expression of an inactivating potassium channel (Kv4.3) in a mammalian cell line. *Cardiovascular Research*, **1999**, 41, 212-9	9.9	28
39	Benzocaine enhances and inhibits the K+ current through a human cardiac cloned channel (Kv1.5). *Cardiovascular Research*, **1999**, 42, 510-20	9.9	13
38	Effects of rupatadine, a new dual antagonist of histamine and platelet-activating factor receptors, on human cardiac kv1.5 channels. *British Journal of Pharmacology*, **1999**, 128, 1071-81	8.6	22
37	Blockade of cardiac potassium and other channels by antihistamines. *Drug Safety*, **1999**, 21 Suppl 1, 11-8; discussion 81-7	5.1	20
36	Effects of propafenone and 5-hydroxy-propafenone on hKv1.5 channels. *British Journal of Pharmacology*, **1998**, 125, 969-78	8.6	36
35	Structural determinants of potency and stereoselective block of hKv1.5 channels induced by local anesthetics. *Molecular Pharmacology*, **1998**, 54, 162-9	4.3	49
34	Block of human cardiac Kv1.5 channels by loratadine: voltage-, time- and use-dependent block at concentrations above therapeutic levels. *Cardiovascular Research*, **1997**, 35, 341-50	9.9	52
33	Effects of ropivacaine on a potassium channel (hKv1.5) cloned from human ventricle. *Anesthesiology*, **1997**, 86, 718-28	4.3	39
32	Comparative effects of nonsedating histamine H1 receptor antagonists, ebastine and terfenadine, on human Kv1.5 channels. *European Journal of Pharmacology*, **1997**, 326, 257-63	5.3	14
31	Electrophysiological effects of CI-980, a tubulin binding agent, on guinea-pig papillary muscles. *British Journal of Pharmacology*, **1997**, 120, 187-92	8.6	4
30	Effect of descarboethoxyloratadine, the major metabolite of loratadine, on the human cardiac potassium channel Kv1.5. *British Journal of Pharmacology*, **1997**, 122, 796-8	8.6	13
29	Molecular determinants of stereoselective bupivacaine block of hKv1.5 channels. *Circulation Research*, **1997**, 81, 1053-64	15.7	57
28	Mechanisms of block of a human cloned potassium channel by the enantiomers of a new bradycardic agent: S-16257-2 and S-16260-2. *British Journal of Pharmacology*, **1996**, 117, 1293-301	8.6	23
27	Class III antiarrhythmic effects of zatebradine. Time-, state-, use-, and voltage-dependent block of hKv1.5 channels. *Circulation*, **1996**, 94, 562-70	16.7	72
26	Electromechanical effects of zatebradine on isolated guinea pig cardiac preparations. *Journal of Cardiovascular Pharmacology*, **1995**, 26, 46-54	3.1	10
25	Stereoselective block of a human cardiac potassium channel (Kv1.5) by bupivacaine enantiomers. *Biophysical Journal*, **1995**, 69, 418-27	2.9	140
24	Effects of the two enantiomers, S-16257-2 and S-16260-2, of a new bradycardic agent on guinea-pig isolated cardiac preparations. *British Journal of Pharmacology*, **1995**, 115, 787-94	8.6	26

23	Stereoselective block of cardiac sodium channels by bupivacaine in guinea pig ventricular myocytes. *Circulation*, **1995**, 92, 3014-24	16.7	142
22	Propafenone preferentially blocks the rapidly activating component of delayed rectifier K+ current in guinea pig ventricular myocytes. Voltage-independent and time-dependent block of the slowly activating component. *Circulation Research*, **1995**, 76, 223-35	15.7	37
21	On the molecular nature of the lidocaine receptor of cardiac Na+ channels. Modification of block by alterations in the alpha-subunit III-IV interdomain. *Circulation Research*, **1995**, 77, 584-92	15.7	99
20	Imipramine blocks rapidly activating and delays slowly activating K+ current activation in guinea pig ventricular myocytes. *Circulation Research*, **1994**, 74, 687-99	15.7	40
19	Effects of lisinopril on cardiac contractility and ionic currents. *General Pharmacology*, **1994**, 25, 825-32		5
18	Gating of cardiac Na+ channels in excised membrane patches after modification by alpha-chymotrypsin. *Biophysical Journal*, **1994**, 67, 161-71	2.9	33
17	Class I and III antiarrhythmic actions of prazosin in guinea-pig papillary muscles. *British Journal of Pharmacology*, **1994**, 111, 717-22	8.6	8
16	Effects of lisinopril on electromechanical properties and membrane currents in guinea-pig cardiac preparations. *British Journal of Pharmacology*, **1993**, 109, 873-9	8.6	4
15	Electrophysiological effects of the combination of imipramine and desipramine in guinea pig papillary muscles. *Journal of Cardiovascular Pharmacology*, **1993**, 21, 13-20	3.1	11
14	Electrophysiological effects of CRE-1087 in guinea-pig ventricular muscles. *British Journal of Pharmacology*, **1992**, 107, 515-20	8.6	4
13	Pharmacology of CRE-1087, A New Antiarrhythmic Drug. *Cardiovascular Drug Reviews*, **1992**, 10, 307-322		1
12	Voltage- and use-dependent modulation of calcium channel current in guinea pig ventricular cells by amiodarone and des-oxo-amiodarone. *Journal of Cardiovascular Pharmacology*, **1991**, 17, 894-902	3.1	17
11	Tonic and frequency-dependent Vmax block induced by (S)-nafenodone, a new antidepressant drug, in guinea-pig papillary muscles. *Naunyn-Schmiedebergs Archives of Pharmacology*, **1991**, 343, 638-44	2.4	2
10	Electrophysiological effects of the combination of mexiletine and flecainide in guinea-pig ventricular fibres. *British Journal of Pharmacology*, **1991**, 103, 1411-6	8.6	6
9	Tonic and frequency-dependent Vmax block induced by imipramine in guinea pig ventricular muscle fibers. *Journal of Cardiovascular Pharmacology*, **1990**, 15, 414-20	3.1	17
8	Electrophysiologic interactions between mexiletine and propafenone in guinea pig papillary muscles. *Journal of Cardiovascular Pharmacology*, **1989**, 14, 351-7	3.1	13
7	Electrophysiological effects of E-3753, a new antiarrhythmic drug, in guinea-pig ventricular muscle. *British Journal of Pharmacology*, **1989**, 96, 970-6	8.6	10
6	Electrophysiologic interactions between mexiletine-quinidine and mexiletine-ropitoin in guinea pig papillary muscle. *Journal of Cardiovascular Pharmacology*, **1989**, 14, 783-9	3.1	10

5	Tonic and phasic Vmax block induced by 5-hydroxypropafenone in guinea pig ventricular muscles. *Journal of Cardiovascular Pharmacology*, **1988**, 12, 423-31	3.1	18
4	Electrophysiological effects of 5-hydroxypropafenone on guinea pig ventricular muscle fibers. *Journal of Cardiovascular Pharmacology*, **1987**, 10, 523-9	3.1	22
3	Effects of 5-hydroxy-propafenone in guinea-pig atrial fibres. *British Journal of Pharmacology*, **1987**, 90, 575-82	8.6	9
2	Electrophysiological effects of amoxapine in untreated and in amoxapine-pretreated rat atria. *British Journal of Pharmacology*, **1986**, 87, 317-25	8.6	3
1	Negative inotropic effect of somatostatin in guinea-pig atrial fibres. *British Journal of Pharmacology* , **1985**, 86, 547-55	8.6	22