

# Carmen Valenzuela

## List of Publications by Year in descending order

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113  
papers

3,073  
citations

147801

31  
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175258

52  
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114  
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114  
docs citations

114  
times ranked

2458  
citing authors

#	ARTICLE	IF	CITATIONS
1	IQM-PC332, a Novel DREAM Ligand with Antinociceptive Effect on Peripheral Nerve Injury-Induced Pain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2142.	4.1	4
2	KV1.5â€“KV <sup>2</sup> 1.3 Recycling Is PKC-Dependent. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1336.	4.1	2
3	K V 1.3 channels are novel determinants of macrophageâ€“dependent endothelial dysfunction in angiotensin IIâ€“induced hypertension in mice. <i>British Journal of Pharmacology</i> , 2021, 178, 1836-1854.	5.4	3
4	Identification of a critical binding site for local anaesthetics in the side pockets of K v 1 channels. <i>British Journal of Pharmacology</i> , 2021, 178, 3034-3048.	5.4	3
5	Graphene Particles Interfere with Proâ€“inflammatory Polarization of Human Macrophages: Functional and Electrophysiological Evidence. <i>Advanced Biology</i> , 2021, 5, e2100882.	2.5	8
6	Pharmacological Approaches for the Modulation of the Potassium Channel KV4.x and KChIPs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1419.	4.1	7
7	Graphene Particles Interfere with Proâ€“inflammatory Polarization of Human Macrophages: Functional and Electrophysiological Evidence (Adv. Biology 11/2021). <i>Advanced Biology</i> , 2021, 5, .	2.5	1
8	The unconventional biogenesis of Kv7.1-KCNE1 complexes. <i>Science Advances</i> , 2020, 6, eaay4472.	10.3	9
9	Differential effect of <i>Androctonus australis hector</i> venom components on macrophage KV channels: electrophysiological characterization. <i>European Biophysics Journal</i> , 2019, 48, 1-13.	2.2	8
10	Targeting the neuronal calcium sensor DREAM with small-molecules for Huntingtonâ€™s disease treatment. <i>Scientific Reports</i> , 2019, 9, 7260.	3.3	15
11	Activation of K <sub>v</sub> 7 channels as a novel mechanism for NO/cGMPâ€“induced pulmonary vasodilation. <i>British Journal of Pharmacology</i> , 2019, 176, 2131-2145.	5.4	23
12	Identification of IQM-266, a Novel DREAM Ligand That Modulates KV4 Currents. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 11.	2.9	6
13	Re-Education of Tumor Associated Macrophages by Trabectedin. <i>Biophysical Journal</i> , 2019, 116, 539a-540a.	0.5	2
14	D242N, a KV7.1 LQTS Mutation Uncovers a KEY Residue for IKS Voltage Dependence. <i>Biophysical Journal</i> , 2018, 114, 307a.	0.5	0
15	Activation of Kv7 contributes to the relaxant effects of the NO/cGMP pathway in the pulmonary circulation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-3-42.	0.0	0
16	Trabectedin Re-Educates Resting Peritoneal Macrophages into M1 Subtype. <i>Biophysical Journal</i> , 2017, 112, 405a.	0.5	1
17	D242N, a KV7.1 LQTS mutation uncovers a key residue for IKS voltage dependence. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 110, 61-69.	1.9	11
18	IKs Computational Modeling to Enforce the Investigation of D242N, a KV7.1 LQTS Mutation. , 2017, , .		0

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19	Fludarabine Inhibits KV1.3 Currents in Human B Lymphocytes. <i>Frontiers in Pharmacology</i> , 2017, 8, 177.	3.5	5
20	In-Depth Study of the Interaction, Sensitivity, and Gating Modulation by PUFAs on K <sup>+</sup> Channels; Interaction and New Targets. <i>Frontiers in Physiology</i> , 2016, 7, 578.	2.8	10
21	M <sup>2</sup> channels and $\omega$ -3 polyunsaturated fatty acids: role in pain and epilepsy. <i>Acta Physiologica</i> , 2016, 218, 7-9.	3.8	3
22	A New KCNQ1 Mutation at the S5 Segment that Impairs its Association with KCNE1 is Responsible for Short QT Syndrome. <i>Biophysical Journal</i> , 2016, 110, 448a-449a.	0.5	0
23	Activating transcription factor 6 derepression mediates neuroprotection in Huntington disease. <i>Journal of Clinical Investigation</i> , 2016, 126, 627-638.	8.2	56
24	Pharmacological Consequences of PKC Inhibition on Kv1.5+Kv $\beta$ 1.3 Channels. <i>Biophysical Journal</i> , 2015, 108, 278a.	0.5	0
25	Elisidepsin Interacts Directly with Glycosylceramides in the Plasma Membrane of Tumor Cells to Induce Necrotic Cell Death. <i>PLoS ONE</i> , 2015, 10, e0140782.	2.5	14
26	Marine n-3 PUFAs modulate IKs gating, channel expression, and location in membrane microdomains. <i>Cardiovascular Research</i> , 2015, 105, 223-232.	3.8	24
27	A new <i>KCNQ1</i> mutation at the S5 segment that impairs its association with KCNE1 is responsible for short QT syndrome. <i>Cardiovascular Research</i> , 2015, 107, 613-623.	3.8	67
28	Functional Assembly of Kv7.1/Kv7.5 Channels With Emerging Properties on Vascular Muscle Physiology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1522-1530.	2.4	26
29	PKC inhibition results in a K <sub>v</sub> 1.5 + K <sub>v</sub> $\beta$ 1.3 pharmacology closer to K <sub>v</sub> 1.5 channels. <i>British Journal of Pharmacology</i> , 2014, 171, 4914-4926.	5.4	3
30	Effects of Cl888 on Kv4.3, Kv4.3/Kchip2C and Kv4.3/KChIP3 Channels. <i>Biophysical Journal</i> , 2014, 106, 544a.	0.5	0
31	Effects of E-LXA4 on Kv and Kir Recorded from Bone Marrow Mouse Macrophages. <i>Biophysical Journal</i> , 2014, 106, 544a.	0.5	0
32	Modulation of Kv and Kir Currents by 15-Epi-Lipoxin-A4 in activated Macrophages. Implications for the Regulation of the Innate Immune Response. <i>Biophysical Journal</i> , 2013, 104, 464a.	0.5	0
33	Modulation of Voltage-Dependent and Inward Rectifier Potassium Channels by 15-Epi-Lipoxin-A4 in Activated Murine Macrophages: Implications in Innate Immunity. <i>Journal of Immunology</i> , 2013, 191, 6136-6146.	0.8	35
34	Effects of $\omega$ -3 Polyunsaturated Fatty Acids on Cardiac Ion Channels. <i>Frontiers in Physiology</i> , 2012, 3, 245.	2.8	39
35	Protein Kinase C (PKC) Activity Regulates Functional Effects of Kv $\beta$ 1.3 Subunit on KV1.5 Channels. <i>Journal of Biological Chemistry</i> , 2012, 287, 21416-21428.	3.4	19
36	Female gender: risk factor for congenital long QT-related arrhythmias. <i>Cardiovascular Research</i> , 2012, 95, 263-264.	3.8	1

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37	Irvalec Inserts Into the Plasma Membrane Causing Rapid Loss of Integrity and Necrotic Cell Death in Tumor Cells. <i>Biophysical Journal</i> , 2012, 102, 65a-66a.	0.5	0
38	Polyunsaturated Fatty Acids Modify the Gating of Kv Channels. <i>Frontiers in Pharmacology</i> , 2012, 3, 163.	3.5	14
39	Stereoselective Interactions between Local Anesthetics and Ion Channels. <i>Chirality</i> , 2012, 24, 944-950.	2.6	11
40	Celecoxib Blocks Cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) Channels. Effects on Cardiac Action Potentials. <i>Biophysical Journal</i> , 2011, 100, 429a.	0.5	0
41	Ceramide inhibits $K_v$ currents and contributes to TP-receptor-induced vasoconstriction in rat and human pulmonary arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C186-C194.	4.6	25
42	Irvalec Inserts into the Plasma Membrane Causing Rapid Loss of Integrity and Necrotic Cell Death in Tumor Cells. <i>PLoS ONE</i> , 2011, 6, e19042.	2.5	26
43	Immunomodulatory effects of diclofenac in leukocytes through the targeting of Kv1.3 voltage-dependent potassium channels. <i>Biochemical Pharmacology</i> , 2010, 80, 858-866.	4.4	71
44	Immunomodulation of voltage-dependent $K^+$ channels in macrophages: molecular and biophysical consequences. <i>Journal of General Physiology</i> , 2010, 135, 135-147.	1.9	74
45	Kv1.5-Kv4.3 Interactions: Molecular Determinants and Pharmacological Consequences. <i>Mini-Reviews in Medicinal Chemistry</i> , 2010, 10, 635-642.	2.4	12
46	Immunomodulation of Voltage-Dependent $K^+$ Channels in Macrophages: Molecular and Biophysical Consequences. <i>Biophysical Journal</i> , 2010, 98, 118a.	0.5	0
47	439 Rapid effects of Irvalec on tumor cell integrity associated with changes in the ionic membrane conductance. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 139.	2.2	0
48	Celecoxib blocks cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 984-992.	1.9	24
49	Differential Regulation Of Nav1.5 Subunits During Myogenesis. <i>Biophysical Journal</i> , 2009, 96, 250a-251a.	0.5	1
50	Cell cycle-dependent expression of Kv1.5 is involved in myoblast proliferation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 728-736.	4.1	38
51	Modulation of the atrial specific Kv1.5 channel by the n-3 polyunsaturated fatty acid, $\alpha$ -linolenic acid. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 323-335.	1.9	38
52	Differential regulation of Nav1.5 subunits during myogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 761-766.	2.1	13
53	Ultrafast sodium channel block by dietary fish oil prevents dofetilide-induced ventricular arrhythmias in rabbit hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1414-H1421.	3.2	23
54	Voltage-dependent $Na^+$ channel phenotype changes in myoblasts. Consequences for cardiac repair. <i>Cardiovascular Research</i> , 2007, 76, 430-441.	3.8	11

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55	Kv <sup>2.1.3</sup> Reduces the Degree of Stereoselective Bupivacaine Block of Kv1.5 Channels. <i>Anesthesiology</i> , 2007, 107, 641-651.	2.5	19
56	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. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 110-119.	4.1	6
57	1-3 and 1-6 polyunsaturated fatty acids block HERG channels. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C1251-C1260.	4.6	48
58	Stereoselective Interactions Between Local Anesthetics and Cardiac K <sup>+</sup> Channels. <i>Drug Design Reviews Online</i> , 2005, 2, 389-396.	0.7	1
59	Interaction of angiotensin II with the angiotensin type 2 receptor inhibits the cardiac transient outward potassium current. <i>Cardiovascular Research</i> , 2004, 62, 86-95.	3.8	40
60	Pharmacology of cardiac potassium channels. <i>Cardiovascular Research</i> , 2004, 62, 9-33.	3.8	398
61	Effects of Irbesartan on Cloned Potassium Channels Involved in Human Cardiac Repolarization. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 862-873.	2.5	66
62	Spirolactone and Its Main Metabolite, Canrenoic Acid, Block Human Ether-a-Go-go-Related Gene Channels. <i>Circulation</i> , 2003, 107, 889-895.	1.6	65
63	Pharmacological electrical remodelling in human atria induced by chronic I <sup>2</sup> -blockade. <i>Cardiovascular Research</i> , 2003, 58, 498-500.	3.8	3
64	Effects of propafenone and its main metabolite, 5-hydroxypropafenone, on HERG channels. <i>Cardiovascular Research</i> , 2003, 57, 660-669.	3.8	25
65	Stereoselective Drug-Channel Interactions. <i>Handbook of Experimental Pharmacology</i> , 2003, , 199-228.	1.8	2
66	Assembly with the Kv <sup>2.1.3</sup> Subunit Modulates Drug Block of hKv1.5 Channels. <i>Molecular Pharmacology</i> , 2002, 62, 1456-1463.	2.3	38
67	Putative binding sites for benzocaine on a human cardiac cloned channel (Kv1.5). <i>Cardiovascular Research</i> , 2002, 56, 104-117.	3.8	38
68	Effects of levobupivacaine, ropivacaine and bupivacaine on HERG channels: stereoselective bupivacaine block. <i>British Journal of Pharmacology</i> , 2002, 137, 1269-1279.	5.4	46
69	Direct Effects of Candesartan and Eprosartan on Human Cloned Potassium Channels Involved in Cardiac Repolarization. <i>Molecular Pharmacology</i> , 2001, 59, 825-836.	2.3	34
70	Stereoselective effects of the enantiomers of a new local anaesthetic, IQB-9302, on a human cardiac potassium channel (Kv1.5). <i>British Journal of Pharmacology</i> , 2001, 132, 385-392.	5.4	10
71	Bupivacaine effects on hKv1.5 channels are dependent on extracellular pH. <i>British Journal of Pharmacology</i> , 2001, 134, 359-369.	5.4	7
72	Effects of a quaternary bupivacaine derivative on delayed rectifier K <sup>+</sup> currents. <i>British Journal of Pharmacology</i> , 2000, 130, 391-401.	5.4	18

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73	Losartan and Its Metabolite E3174 Modify Cardiac Delayed Rectifier K <sup>+</sup> Currents. <i>Circulation</i> , 2000, 101, 1199-1205.	1.6	71
74	Functional expression of an inactivating potassium channel (Kv4.3) in a mammalian cell line. <i>Cardiovascular Research</i> , 1999, 41, 212-219.	3.8	35
75	Benzocaine enhances and inhibits the K <sup>+</sup> current through a human cardiac cloned channel (Kv1.5). <i>Cardiovascular Research</i> , 1999, 42, 510-520.	3.8	16
76	Effects of rupatadine, a new dual antagonist of histamine and platelet-activating factor receptors, on human cardiac Kv1.5 channels. <i>British Journal of Pharmacology</i> , 1999, 128, 1071-1081.	5.4	27
77	Blockade of Cardiac Potassium and Other Channels by Antihistamines. <i>Drug Safety</i> , 1999, 21, 11-18.	3.2	27
78	Effects of propafenone and 5-hydroxy-propafenone on hKv1.5 channels. <i>British Journal of Pharmacology</i> , 1998, 125, 969-978.	5.4	51
79	Structural Determinants of Potency and Stereoselective Block of hKv1.5 Channels Induced by Local Anesthetics. <i>Molecular Pharmacology</i> , 1998, 54, 162-169.	2.3	54
80	Block of human cardiac Kv1.5 channels by loratadine: voltage-, time- and use-dependent block at concentrations above therapeutic levels. <i>Cardiovascular Research</i> , 1997, 35, 341-350.	3.8	56
81	Effects of Ropivacaine on a Potassium Channel (hKv1.5) Cloned from Human Ventricle. <i>Anesthesiology</i> , 1997, 86, 718-728.	2.5	43
82	Comparative effects of non-sedating histamine H1 receptor antagonists, ebastine and terfenadine, on human Kv1.5 channels. <i>European Journal of Pharmacology</i> , 1997, 326, 257-263.	3.5	18
83	Electrophysiological effects of CI-980, a tubulin binding agent, on guinea-pig papillary muscles. <i>British Journal of Pharmacology</i> , 1997, 120, 187-192.	5.4	4
84	Effect of descarboethoxyloratadine, the major metabolite of loratadine, on the human cardiac potassium channel Kv1.5. <i>British Journal of Pharmacology</i> , 1997, 122, 796-798.	5.4	16
85	Molecular Determinants of Stereoselective Bupivacaine Block of hKv1.5 Channels. <i>Circulation Research</i> , 1997, 81, 1053-1064.	4.5	70
86	Mechanisms of block of a human cloned potassium channel by the enantiomers of a new bradycardic agent: Sâ€16257â€2 and Sâ€16260â€2. <i>British Journal of Pharmacology</i> , 1996, 117, 1293-1301.	5.4	26
87	Class III Antiarrhythmic Effects of Zatebradine. <i>Circulation</i> , 1996, 94, 562-570.	1.6	86
88	Electromechanical Effects of Zatebradine on Isolated Guinea Pig Cardiac Preparations. <i>Journal of Cardiovascular Pharmacology</i> , 1995, 26, 46-54.	1.9	12
89	Stereoselective block of a human cardiac potassium channel (Kv1.5) by bupivacaine enantiomers. <i>Biophysical Journal</i> , 1995, 69, 418-427.	0.5	158
90	Effects of the two enantiomers, Sâ€16257â€2 and Sâ€16260â€2, of a new bradycardic agent on guineaâ€pig isolated cardiac preparations. <i>British Journal of Pharmacology</i> , 1995, 115, 787-794.	5.4	28

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91	Stereoselective Block of Cardiac Sodium Channels by Bupivacaine in Guinea Pig Ventricular Myocytes. <i>Circulation</i> , 1995, 92, 3014-3024.	1.6	174
92	Propafenone Preferentially Blocks the Rapidly Activating Component of Delayed Rectifier K <sup>+</sup> Current in Guinea Pig Ventricular Myocytes. <i>Circulation Research</i> , 1995, 76, 223-235.	4.5	47
93	On the Molecular Nature of the Lidocaine Receptor of Cardiac Na <sup>+</sup> Channels. <i>Circulation Research</i> , 1995, 77, 584-592.	4.5	113
94	Imipramine blocks rapidly activating and delays slowly activating K <sup>+</sup> current activation in guinea pig ventricular myocytes.. <i>Circulation Research</i> , 1994, 74, 687-699.	4.5	44
95	Effects of lisinopril on cardiac contractility and ionic currents. <i>General Pharmacology</i> , 1994, 25, 825-832.	0.7	5
96	Gating of cardiac Na <sup>+</sup> channels in excised membrane patches after modification by alpha-chymotrypsin. <i>Biophysical Journal</i> , 1994, 67, 161-171.	0.5	36
97	Class I and III antiarrhythmic actions of prazosin in guinea pig papillary muscles. <i>British Journal of Pharmacology</i> , 1994, 111, 717-722.	5.4	9
98	Effects of lisinopril on electromechanical properties and membrane currents in guinea pig cardiac preparations. <i>British Journal of Pharmacology</i> , 1993, 109, 873-879.	5.4	4
99	Electrophysiological Effects of the Combination of Imipramine and Desipramine in Guinea Pig Papillary Muscles. <i>Journal of Cardiovascular Pharmacology</i> , 1993, 21, 13-20.	1.9	12
100	Electrophysiological effects of CRE-1087 in guinea pig ventricular muscles. <i>British Journal of Pharmacology</i> , 1992, 107, 515-520.	5.4	4
101	Pharmacology of CRE-1087, A New Antiarrhythmic Drug. <i>Cardiovascular Drug Reviews</i> , 1992, 10, 307-322.	4.1	1
102	Electrophysiological effects of the combination of mexiletine and flecainide in guinea pig ventricular fibres. <i>British Journal of Pharmacology</i> , 1991, 103, 1411-1416.	5.4	6
103	Voltage- and Use-Dependent Modulation of Calcium Channel Current in Guinea Pig Ventricular Cells by Amiodarone and Des-Oxo-Amiodarone. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 17, 894-902.	1.9	19
104	Tonic and frequency-dependent $V_{max}$ block induced by (S)-nafendone, a new antidepressant drug, in guinea-pig papillary muscles. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1991, 343, 638-44.	3.0	2
105	Tonic and Frequency-Dependent $V_{max}$ Block Induced by Imipramine in Guinea Pig Ventricular Muscle Fibers. <i>Journal of Cardiovascular Pharmacology</i> , 1990, 15, 414-420.	1.9	18
106	Electrophysiologic Interactions Between Mexiletine and Propafenone in Guinea Pig Papillary Muscles. <i>Journal of Cardiovascular Pharmacology</i> , 1989, 14, 351-357.	1.9	15
107	Electrophysiological effects of E-3753, a new antiarrhythmic drug, in guinea pig ventricular muscle. <i>British Journal of Pharmacology</i> , 1989, 96, 970-976.	5.4	11
108	Electrophysiologic Interactions Between Mexiletine-Quinidine and Mexiletine-Ropitoin in Guinea Pig Papillary Muscle. <i>Journal of Cardiovascular Pharmacology</i> , 1989, 14, 783-789.	1.9	13

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109	Tonic and Phasic Vmax Block Induced by 5-Hydroxypropafenone in Guinea Pig Ventricular Muscles. Journal of Cardiovascular Pharmacology, 1988, 12, 423-431.	1.9	19
110	Electrophysiological Effects of 5-Hydroxypropafenone on Guinea Pig Ventricular Muscle Fibres. Journal of Cardiovascular Pharmacology, 1987, 10, 523-529.	1.9	27
111	Effects of 5-hydroxy-propafenone in guinea-pig atrial fibres. British Journal of Pharmacology, 1987, 90, 575-582.	5.4	14
112	Electrophysiological effects of amoxapine in untreated and in amoxapine-pretreated rat atria. British Journal of Pharmacology, 1986, 87, 317-325.	5.4	3
113	Negative inotropic effect of somatostatin in guinea-pig atrial fibres. British Journal of Pharmacology, 1985, 86, 547-555.	5.4	29