

Luis A Pardo

List of Publications by Year in descending order

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109
papers

7,421
citations

81434

41
h-index

62345

84
g-index

115
all docs

115
docs citations

115
times ranked

7254
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming challenges of HERG potassium channel liability through rational design: Eag1 inhibitors for cancer treatment. <i>Medicinal Research Reviews</i> , 2022, 42, 183-226.	5.0	19
2	Voltage-Gated Potassium Channels Beyond the Action Potential. <i>Bioelectricity</i> , 2022, 4, 117-125.	0.6	3
3	Design of New Potent and Selective Thiophene-Based KV1.3 Inhibitors and Their Potential for Anticancer Activity. <i>Cancers</i> , 2022, 14, 2595.	1.7	5
4	miR449 Protects Airway Regeneration by Controlling AURKA/HDAC6-Mediated Ciliary Disassembly. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7749.	1.8	1
5	3D Pharmacophore-Based Discovery of Novel KV10.1 Inhibitors with Antiproliferative Activity. <i>Cancers</i> , 2021, 13, 1244.	1.7	6
6	The Interplay between Dysregulated Ion Transport and Mitochondrial Architecture as a Dangerous Liaison in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5209.	1.8	15
7	Discovery of K _V 1.3 ion channel inhibitors: Medicinal chemistry approaches and challenges. <i>Medicinal Research Reviews</i> , 2021, 41, 2423-2473.	5.0	23
8	Molecular Dynamics-Derived Pharmacophore Model Explaining the Nonselective Aspect of KV10.1 Pore Blockers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8999.	1.8	3
9	Voltage-gated potassium channels (K _V) in GtoPdb v.2021.3. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2021, 2021, .	0.2	3
10	Production of levan from <i>Bacillus subtilis</i> var. natto and apoptotic effect on SH-SY5Y neuroblastoma cells. <i>Carbohydrate Polymers</i> , 2021, 273, 118613.	5.1	12
11	Comparative analysis of alternating hemiplegia of childhood and rapid-onset dystonia-parkinsonism ATP1A3 mutations reveals functional deficits, which do not correlate with disease severity. <i>Neurobiology of Disease</i> , 2020, 143, 105012.	2.1	8
12	Kv10.1 Regulates Microtubule Dynamics during Mitosis. <i>Cancers</i> , 2020, 12, 2409.	1.7	13
13	A Novel Anti-Kv10.1 Nanobody Fused to Single-Chain TRAIL Enhances Apoptosis Induction in Cancer Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 686.	1.6	16
14	The EAG Voltage-Dependent K ⁺ Channel Subfamily: Similarities and Differences in Structural Organization and Gating. <i>Frontiers in Pharmacology</i> , 2020, 11, 411.	1.6	24
15	Inhibition of Kv10.1 Channels Sensitizes Mitochondria of Cancer Cells to Antimetabolic Agents. <i>Cancers</i> , 2020, 12, 920.	1.7	16
16	Measurement of Microtubule Dynamics by Spinning Disk Microscopy in Monopolar Mitotic Spindles. <i>Journal of Visualized Experiments</i> , 2019, .	0.2	1
17	Antibodies Targeting K _V Potassium Channels: A Promising Treatment for Cancer. <i>Bioelectricity</i> , 2019, 1, 180-187.	0.6	7
18	The antitumor efficacy of monomeric disintegrin obtustatin in S-180 sarcoma mouse model. <i>Investigational New Drugs</i> , 2019, 37, 1044-1051.	1.2	13

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19	Antitumor efficacy of obtustatin in S-180 sarcoma mouse model. <i>Toxicol</i> , 2019, 159, S19.	0.8	0
20	New Structures and Gating of Voltage-Dependent Potassium (Kv) Channels and Their Relatives: A Multi-Domain and Dynamic Question. <i>International Journal of Molecular Sciences</i> , 2019, 20, 248.	1.8	28
21	Voltage-gated potassium channels (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2019, 2019, .	0.2	10
22	SK3 Channel Overexpression in Mice Causes Hippocampal Shrinkage Associated with Cognitive Impairments. <i>Molecular Neurobiology</i> , 2017, 54, 1078-1091.	1.9	23
23	Gating Modulation of the Tumor-Related Kv10.1 Channel by Mibefradil. <i>Journal of Cellular Physiology</i> , 2017, 232, 2019-2032.	2.0	18
24	Alternating pH landscapes shape epithelial cancer initiation and progression: Focus on pancreatic cancer. <i>BioEssays</i> , 2017, 39, 1600253.	1.2	53
25	A new mechanism of voltage-dependent gating exposed by KV10.1 channels interrupted between voltage sensor and pore. <i>Journal of General Physiology</i> , 2017, 149, 577-593.	0.9	30
26	The electric fence to cell-cycle progression: Do local changes in membrane potential facilitate disassembly of the primary cilium?. <i>BioEssays</i> , 2017, 39, 1600190.	1.2	15
27	Probing the Gating of Kv10.1 Channels by MTS Reagents. <i>Biophysical Journal</i> , 2017, 112, 248a.	0.2	0
28	Kv10.1 potassium channel: from the brain to the tumors. <i>Biochemistry and Cell Biology</i> , 2017, 95, 531-536.	0.9	37
29	APETx4, a Novel Sea Anemone Toxin and a Modulator of the Cancer-Relevant Potassium Channel KV10.1. <i>Marine Drugs</i> , 2017, 15, 287.	2.2	32
30	Synthesis of novel purpurealidin analogs and evaluation of their effect on the cancer-relevant potassium channel KV10.1. <i>PLoS ONE</i> , 2017, 12, e0188811.	1.1	17
31	Guiding TRAIL to cancer cells through Kv10.1 potassium channel overcomes resistance to doxorubicin. <i>European Biophysics Journal</i> , 2016, 45, 709-719.	1.2	29
32	In vivo imaging of tumour xenografts with an antibody targeting the potassium channel Kv10.1. <i>European Biophysics Journal</i> , 2016, 45, 721-733.	1.2	16
33	Cyclic expression of the voltage-gated potassium channel K _v 10.1 promotes disassembly of the primary cilium. <i>EMBO Reports</i> , 2016, 17, 708-723.	2.0	47
34	Periodic expression of Kv10.1 driven by pRb/E2F1 contributes to G2/M progression of cancer and non-transformed cells. <i>Cell Cycle</i> , 2016, 15, 799-811.	1.3	43
35	Kv10.1 K ⁺ channel: from physiology to cancer. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 751-762.	1.3	72
36	Analysis of the expression of Kv10.1 potassium channel in patients with brain metastases and glioblastoma multiforme: impact on survival. <i>BMC Cancer</i> , 2015, 15, 839.	1.1	55

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37	Alternatively Spliced Isoforms of KV10.1 Potassium Channels Modulate Channel Properties and Can Activate Cyclin-dependent Kinase in <i>Xenopus</i> Oocytes. <i>Journal of Biological Chemistry</i> , 2015, 290, 30351-30365.	1.6	15
38	CD133 Expression Is Not Synonymous to Immunoreactivity for AC133 and Fluctuates throughout the Cell Cycle in Glioma Stem-Like Cells. <i>PLoS ONE</i> , 2015, 10, e0130519.	1.1	31
39	Voltage-dependent gating of KCNH potassium channels lacking a covalent link between voltage-sensing and pore domains. <i>Nature Communications</i> , 2015, 6, 6672.	5.8	76
40	K _v 10.1 opposes activity-dependent increase in Ca ²⁺ influx into the presynaptic terminal of the parallel fibre-Purkinje cell synapse. <i>Journal of Physiology</i> , 2015, 593, 181-196.	1.3	44
41	Discontinuity between the Voltage-Sensor and the Pore Domain does not Abolish Voltage-Gating of Kv10.1 Potassium Channel. <i>Biophysical Journal</i> , 2015, 108, 427a.	0.2	0
42	Potassium channels in cell cycle and cell proliferation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130094.	1.8	305
43	Neuropsychiatric disease relevance of circulating anti-NMDA receptor autoantibodies depends on blood-brain barrier integrity. <i>Molecular Psychiatry</i> , 2014, 19, 1143-1149.	4.1	293
44	Hippocampal ether-Å-go-go1 potassium channels blockade: Effects in the startle reflex and prepulse inhibition. <i>Neuroscience Letters</i> , 2014, 559, 13-17.	1.0	4
45	The roles of K ⁺ channels in cancer. <i>Nature Reviews Cancer</i> , 2014, 14, 39-48.	12.8	391
46	KV10.1 K ⁺ -channel plasma membrane discrete domain partitioning and its functional correlation in neurons. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 921-931.	1.4	18
47	MyD88 signaling mediates the effects of the innate immune response in cerebellar short-term synaptic plasticity. <i>Journal of Neuroimmunology</i> , 2014, 275, 95.	1.1	0
48	PIST (GOPC) modulates the oncogenic voltage-gated potassium channel KV10.1. <i>Frontiers in Physiology</i> , 2013, 4, 201.	1.3	9
49	Behavioural and functional characterization of Kv10.1 (Eag1) knockout mice. <i>Human Molecular Genetics</i> , 2013, 22, 2247-2262.	1.4	56
50	Human Glioma-Initiating Cells Show a Distinct Immature Phenotype Resembling but Not Identical to NG2 Glia. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013, 72, 307-324.	0.9	21
51	RNA interference with EAG1 enhances interferon gamma injury to glioma cells in vitro. <i>Anticancer Research</i> , 2013, 33, 865-70.	0.5	10
52	Approaches Targeting KV10.1 Open a Novel Window for Cancer Diagnosis and Therapy. <i>Current Medicinal Chemistry</i> , 2012, 19, 675-682.	1.2	26
53	Cortactin Controls Surface Expression of the Voltage-gated Potassium Channel KV10.1. <i>Journal of Biological Chemistry</i> , 2012, 287, 44151-44163.	1.6	26
54	801 Frequent Aberrant Expression of the Human Ether a Go-go (hEAG1) Potassium Channel in Head and Neck Cancer - Pathobiological Mechanisms and Clinical Implications. <i>European Journal of Cancer</i> , 2012, 48, S191.	1.3	0

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55	Frequent aberrant expression of the human ether \tilde{A} go-go (hEAG1) potassium channel in head and neck cancer: pathobiological mechanisms and clinical implications. <i>Journal of Molecular Medicine</i> , 2012, 90, 1173-1184.	1.7	43
56	Physical and functional interaction of K _V 10.1 with Rabaptin \tilde{A} 5 impacts ion channel trafficking. <i>FEBS Letters</i> , 2012, 586, 3077-3084.	1.3	17
57	Association of Kv10.1 to Different Plasma Membrane Domains and its Interaction with other Membrane Associated Proteins in Endogenous Expression Systems. <i>Biophysical Journal</i> , 2012, 102, 680a.	0.2	0
58	Eag1, Eag2, and SK3 potassium channel expression in the rat hippocampus after global transient brain ischemia. <i>Journal of Neuroscience Research</i> , 2012, 90, 632-640.	1.3	10
59	Ether- \tilde{A} -go-go 1 (Eag1) Potassium Channel Expression in Dopaminergic Neurons of Basal Ganglia is Modulated by 6-Hydroxydopamine Lesion. <i>Neurotoxicity Research</i> , 2012, 21, 317-333.	1.3	18
60	Nucleofection induces non-specific changes in the metabolic activity of transfected cells. <i>Molecular Biology Reports</i> , 2012, 39, 2187-2194.	1.0	14
61	TRPM8 Ion Channels Differentially Modulate Proliferation and Cell Cycle Distribution of Normal and Cancer Prostate Cells. <i>PLoS ONE</i> , 2012, 7, e51825.	1.1	76
62	Eag1 potassium channels as markers of cervical dysplasia. <i>Oncology Reports</i> , 2011, 26, 1377-83.	1.2	31
63	Tumor cell-selective apoptosis induction through targeting of KV10.1 via bifunctional TRAIL antibody. <i>Molecular Cancer</i> , 2011, 10, 109.	7.9	58
64	A CAG repeat polymorphism of <i>KCNN3</i> predicts SK3 channel function and cognitive performance in schizophrenia. <i>EMBO Molecular Medicine</i> , 2011, 3, 309-319.	3.3	63
65	Functional KV10.1 Channels Localize to the Inner Nuclear Membrane. <i>PLoS ONE</i> , 2011, 6, e19257.	1.1	57
66	Rapid Internalization of the Oncogenic K ⁺ Channel KV10.1. <i>PLoS ONE</i> , 2011, 6, e26329.	1.1	25
67	<i>Eag 1</i> , <i>Eag 2</i> and <i>Kcnn3</i> gene brain expression of isolated reared rats. <i>Genes, Brain and Behavior</i> , 2010, 9, 918-924.	1.1	11
68	K ⁺ channels as therapeutic targets in oncology. <i>Future Medicinal Chemistry</i> , 2010, 2, 745-755.	1.1	13
69	The potassium channel Ether \tilde{A} go-go is a novel prognostic factor with functional relevance in acute myeloid leukemia. <i>Molecular Cancer</i> , 2010, 9, 18.	7.9	94
70	Characterization of Eag1 Channel Lateral Mobility in Rat Hippocampal Cultures by Single-Particle-Tracking with Quantum Dots. <i>PLoS ONE</i> , 2010, 5, e8858.	1.1	42
71	The voltage dependence of hEag currents is not determined solely by membrane-spanning domains. <i>European Biophysics Journal</i> , 2009, 38, 279-284.	1.2	7
72	Voltage-gated potassium channels as therapeutic targets. <i>Nature Reviews Drug Discovery</i> , 2009, 8, 982-1001.	21.5	644

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73	Concept of a selective tumour therapy and its evaluation by near-infrared fluorescence imaging and flat-panel volume computed tomography in mice. <i>European Journal of Radiology</i> , 2009, 70, 286-293.	1.2	9
74	Ion channels: functional expression and therapeutic potential in cancer. <i>EMBO Reports</i> , 2008, 9, 512-515.	2.0	87
75	Pattern of axonal injury in murine myelin oligodendrocyte glycoprotein induced experimental autoimmune encephalomyelitis: Implications for multiple sclerosis. <i>Neurobiology of Disease</i> , 2008, 30, 162-173.	2.1	118
76	Eag1 potassium channel immunohistochemistry in the CNS of adult rat and selected regions of human brain. <i>Neuroscience</i> , 2008, 155, 833-844.	1.1	56
77	Eag1 as a cancer target. <i>Expert Opinion on Therapeutic Targets</i> , 2008, 12, 837-843.	1.5	40
78	Eag1: An Emerging Oncological Target. <i>Cancer Research</i> , 2008, 68, 1611-1613.	0.4	78
79	Eag1 Expression Interferes with Hypoxia Homeostasis and Induces Angiogenesis in Tumors. <i>Journal of Biological Chemistry</i> , 2008, 283, 36234-36240.	1.6	149
80	Monoclonal Antibody Blockade of the Human Eag1 Potassium Channel Function Exerts Antitumor Activity. <i>Cancer Research</i> , 2007, 67, 7343-7349.	0.4	196
81	Re-Expression of a Developmentally Restricted Potassium Channel in Autoimmune Demyelination. <i>American Journal of Pathology</i> , 2007, 171, 589-598.	1.9	20
82	Different relevance of inactivation and F468 residue in the mechanisms of hEag1 channel blockage by astemizole, imipramine and dofetilide. <i>FEBS Letters</i> , 2006, 580, 5059-5066.	1.3	24
83	Overexpression of Eag1 potassium channels in clinical tumours. <i>Molecular Cancer</i> , 2006, 5, 41.	7.9	227
84	Ether \bar{A} go-go potassium channel expression in soft tissue sarcoma patients. <i>Molecular Cancer</i> , 2006, 5, 42.	7.9	89
85	Potassium channels as tumour markers. <i>FEBS Letters</i> , 2006, 580, 2850-2852.	1.3	77
86	Silencing the Activity and Proliferative Properties of the Human Eag1 Potassium Channel by RNA Interference. <i>Journal of Biological Chemistry</i> , 2006, 281, 13030-13037.	1.6	104
87	Role of Voltage-gated Potassium Channels in Cancer. <i>Journal of Membrane Biology</i> , 2005, 205, 115-124.	1.0	178
88	Glycosylation of Eag1 (Kv10.1) Potassium Channels. <i>Journal of Biological Chemistry</i> , 2005, 280, 29506-29512.	1.6	47
89	International Union of Pharmacology. LIII. Nomenclature and Molecular Relationships of Voltage-Gated Potassium Channels. <i>Pharmacological Reviews</i> , 2005, 57, 473-508.	7.1	785
90	Ether \bar{A} go-go Potassium Channels as Human Cervical Cancer Markers. <i>Cancer Research</i> , 2004, 64, 6996-7001.	0.4	143

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91	Voltage-Gated Potassium Channels in Cell Proliferation. <i>Physiology</i> , 2004, 19, 285-292.	1.6	251
92	Mechanism of Block of hEag1 K+ Channels by Imipramine and Astemizole. <i>Journal of General Physiology</i> , 2004, 124, 301-317.	0.9	122
93	C-terminal domains implicated in the functional surface expression of potassium channels. <i>EMBO Journal</i> , 2003, 22, 395-403.	3.5	122
94	Cytoskeletal interactions determine the electrophysiological properties of human EAG potassium channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2000, 441, 167-174.	1.3	49
95	Oncogenic potential of EAG K+ channels. <i>EMBO Journal</i> , 1999, 18, 5540-5547.	3.5	373
96	Cell Cycle-related Changes in the Conducting Properties of r-eag K+ Channels. <i>Journal of Cell Biology</i> , 1998, 143, 767-775.	2.3	101
97	Altered Ligand Dissociation Rates in Thyrotropin-Releasing Hormone Receptors Mutated in Glutamine 105 of Transmembrane Helix III. <i>Biochemistry</i> , 1997, 36, 3308-3318.	1.2	4
98	Mitosis-promoting factor-mediated suppression of a cloned delayed rectifier potassium channel expressed in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 537-542.	3.3	69
99	Molecular basis for different pore properties of potassium channels from the rat brain Kv1 gene family. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 434, 661-668.	1.3	29
100	Demonstration of an inwardly rectifying K + current component modulated by thyrotropin-releasing hormone and caffeine in GH 3 rat anterior pituitary cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 435, 119-129.	1.3	44
101	Caffeine enhancement of electrical activity through direct blockade of inward rectifying K+ currents in GH3 rat anterior pituitary cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 431, 443-451.	1.3	18
102	Gs Couples Thyrotropin-releasing Hormone Receptors Expressed in <i>Xenopus</i> Oocytes to Phospholipase C. <i>Journal of Biological Chemistry</i> , 1995, 270, 3554-3559.	1.6	35
103	Ether-Å-go-go encodes a voltage-gated channel permeable to K+ and Ca2+ and modulated by cAMP. <i>Nature</i> , 1993, 365, 445-448.	13.7	221
104	Glucose activation of adenylate cyclase in <i>Saccharomyces cerevisiae</i> mutants lacking glucose-phosphorylating enzymes. <i>Cellular Signalling</i> , 1993, 5, 435-441.	1.7	1
105	Activation of adenylate cyclase in dc25 mutants of <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1993, 319, 237-243.	1.3	16
106	Extracellular K+ specifically modulates a rat brain K+ channel.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 2466-2470.	3.3	229
107	In vitro activation of the <i>Saccharomyces cerevisiae</i> Ras/adenylate cyclase system by glucose and some of its analogues. <i>FEBS Letters</i> , 1991, 290, 43-48.	1.3	7
108	Effect of glucose analogues on yeast adenylate cyclase <i>in vitro</i> . <i>Biochemical Society Transactions</i> , 1989, 17, 1010-1011.	1.6	1

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109	Chronic Acidosis Rewires Cancer Cell Metabolism Through PPAR α Signaling. SSRN Electronic Journal, 0, , .	0.4	0