Maurizio Taglialatela

List of Publications by Year
in descending order

216 papers	9,333 citations	26630 56 h-index	48315 88 g-index
222 all docs	222 docs citations	222 times ranked	7688 citing authors

#	Article	IF	Citations
1	Spermine and spermidine as gating molecules for inward rectifier K+ channels. Science, 1994, 266, 1068-1072.	12.6	513
2	Exchange of conduction pathways between two related K+ channels. Science, 1991, 251, 942-944.	12.6	391
3	H₁â€antihistamines: inverse agonism, antiâ€inflammatory actions and cardiac effects. Clinical and Experimental Allergy, 2002, 32, 489-498.	2.9	388
4	Gating of inwardly rectifying K+ channels localized to a single negatively charged residue. Nature, 1994, 371, 246-249.	27.8	254
5	KCNQ2 encephalopathy. Neurology: Genetics, 2016, 2, e96.	1.9	196
6	Novel voltage clamp to record small, fast currents from ion channels expressed in Xenopus oocytes. Biophysical Journal, 1992, 61, 78-82.	0.5	179
7	Consensus group on newâ€generation antihistamines (CONGA): present status and recommendations. Clinical and Experimental Allergy, 2003, 33, 1305-1324.	2.9	161
8	Specification of pore properties by the carboxyl terminus of inwardly rectifying K+ channels. Science, 1994, 264, 844-847.	12.6	160
9	M Channels Containing KCNQ2 Subunits Modulate Norepinephrine, Aspartate, and GABA Release from Hippocampal Nerve Terminals. Journal of Neuroscience, 2004, 24, 592-597.	3.6	158
10	Genotypeâ€“phenotype correlations in neonatal epilepsies caused by mutations in the voltage sensor of K _v 7.2 potassium channel subunits. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4386-4391.	7.1	154
11	Early-Onset Epileptic Encephalopathy Caused by Gain-of-Function Mutations in the Voltage Sensor of K_v7.2 and K_v7.3 Potassium Channel Subunits. Journal of Neuroscience, 2015, 35, 3782-3793.	3.6	151
12	A novel mutation in KCNQ2 associated with BFNC, drug resistant epilepsy, and mental retardation. Neurology, 2004, 63, 57-65.	1.1	146
13	Molecular pharmacology and therapeutic potential of neuronal Kv7-modulating drugs. Current Opinion in Pharmacology, 2008, 8, 65-74.	3.5	140
14	Histamine Induces Exocytosis and IL-6 Production from Human Lung Macrophages Through Interaction with H1 Receptors. Journal of Immunology, 2001, 166, 4083-4091.	0.8	135
15	Molecular Basis for the Lack of HERG K+ Channel Block-Related Cardiotoxicity by the H1 Receptor Blocker Cetirizine Compared with Other Second-Generation Antihistamines. Molecular Pharmacology, 1998, 54, 113-121.	2.3	130
16	Benign Familial Neonatal Convulsions Caused by Altered Gating of KCNQ2/KCNQ3 Potassium Channels. Journal of Neuroscience, 2002, 22, RC199-RC199.	3.6	120
17	Driving With No Brakes: Molecular Pathophysiology of Kv7 Potassium Channels. Physiology, 2011, 26, 365-376.	3.1	118
18	Activation and desensitization of <scp>TRPV1</scp> channels in sensory neurons by the PPARÎ± agonist palmitoylethanolamide. British Journal of Pharmacology, 2013, 168, 1430-1444.	5.4	118

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19	Modulation of ion channels by reactive oxygen and nitrogen species: a pathophysiological role in brain aging?. Neurobiology of Aging, 2002, 23, 819-834.	3.1	111
20	Genetic testing in benign familial epilepsies of the first year of life: Clinical and diagnostic significance. Epilepsia, 2013, 54, 425-436.	5.1	110
21	Differences between the deep pores of K+ channels determined by an interacting pair of nonpolar amino acids. Neuron, 1992, 8, 499-505.	8.1	106
22	Differential expression of the Na+-Ca2+ exchanger transcripts and proteins in rat brain regions. Journal of Comparative Neurology, 2003, 461, 31-48.	1.6	106
23	Vasorelaxation by hydrogen sulphide involves activation of Kv7 potassium channels. Pharmacological Research, 2013, 70, 27-34.	7.1	105
24	Retention in the Endoplasmic Reticulum as a Mechanism of Dominant-negative Current Suppression in Human Long QT Syndrome. Journal of Molecular and Cellular Cardiology, 2000, 32, 2327-2337.	1.9	96
25	Expression pattern of the ether-a-gogo-related (ERG) k+ channel-encoding genes ERG1, ERG2, and ERG3 in the adult rat central nervous system. Journal of Comparative Neurology, 2003, 466, 119-135.	1.6	95
26	Do Glia Have Heart? Expression and Functional Role forEther-A-Go-GoCurrents in Hippocampal Astrocytes. Journal of Neuroscience, 2000, 20, 3915-3925.	3.6	92
27	Rapid and safe response to lowâ€dose carbamazepine in neonatal epilepsy. Epilepsia, 2016, 57, 2019-2030.	5.1	92
28	Inactivation determined by a single site in K+ pores. Pflugers Archiv European Journal of Physiology, 1993, 422, 354-363.	2.8	90
29	Effects of natural and synthetic isothiocyanate-based H 2 S-releasers against chemotherapy-induced neuropathic pain: Role of Kv7 potassium channels. Neuropharmacology, 2017, 121, 49-59.	4.1	90
30	The Ever Changing Moods of Calmodulin: How Structural Plasticity Entails Transductional Adaptability. Journal of Molecular Biology, 2014, 426, 2717-2735.	4.2	87
31	New Insights into the Second Generation Antihistamines. Drugs, 2001, 61, 207-236.	10.9	85
32	Protein-tyrosine Kinases Activate while Protein-tyrosine Phosphatases Inhibit L-type Calcium Channel Activity in Pituitary GH3 Cells. Journal of Biological Chemistry, 1996, 271, 9441-9446.	3.4	82
33	NovelKCNQ2andKCNQ3Mutations in a Large Cohort of Families with Benign Neonatal Epilepsy: First Evidence for an Altered Channel Regulation by Syntaxin-1A. Human Mutation, 2014, 35, 356-367.	2.5	82
34	Infantile spasms and encephalopathy without preceding neonatal seizures caused by KCNQ2 R198Q, a gainâ€ofâ€function variant. Epilepsia, 2017, 58, e10-e15.	5.1	81
35	Regulation of the human ether-a-gogo related gene (HERG) K⁺channels by reactive oxygenâ€‰species. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 11698-11703.	7.1	80
36	Neonatal nonepileptic myoclonus is a prominent clinical feature of <scp>KCNQ</scp>2 gainâ€ofâ€function variants R201C and R201H. Epilepsia, 2017, 58, 436-445.	5.1	80

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37	Characterization of two de novo KCNT1 mutations in children with malignant migrating partial seizures in infancy. Molecular and Cellular Neurosciences, 2016, 72, 54-63.	2.2	77
38	Brain Distribution of the Na⁺/Ca²⁺ Exchangerâ€Encoding Genes NCX1, NCX2, and NCX3 and Their Related Proteins in the Central Nervous System. Annals of the New York Academy of Sciences, 2002, 976, 394-404.	3.8	76
39	Retigabine and flupirtine exert neuroprotective actions in organotypic hippocampal cultures. Neuropharmacology, 2006, 51, 283-294.	4.1	75
40	Up-Regulation and Increased Activity of KV3.4 Channels and Their Accessory Subunit MinK-Related Peptide 2 Induced by Amyloid Peptide Are Involved in Apoptotic Neuronal Death. Molecular Pharmacology, 2007, 72, 665-673.	2.3	75
41	The endocannabinoid 2-AG controls skeletal muscle cell differentiation via CB1 receptor-dependent inhibition of K _v 7 channels. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2472-81.	7.1	75
42	Autism and developmental disability caused by KCNQ3 gainâ€ofâ€function variants. Annals of Neurology, 2019, 86, 181-192.	5.3	73
43	Characterization of a Human and Murine Gene (CLCN3) Sharing Similarities to Voltage-Gated Chloride Channels and to a Yeast Integral Membrane Protein. Genomics, 1995, 27, 131-141.	2.9	72
44	Cardiotoxic potential and CNS effects of first-generation antihistamines. Trends in Pharmacological Sciences, 2000, 21, 52-56.	8.7	72
45	Pharmacological characterization of serotonin receptors involved in the control of prolactin secretion. European Journal of Pharmacology, 1989, 162, 371-373.	3.5	70
46	Mutational scanning of potassium, sodium and chloride ion channels in malignant migrating partial seizures in infancy. Brain and Development, 2006, 28, 76-79.	1.1	70
47	Cloning and Functional Expression of an Inwardly Rectifying K + Channel From Human Atrium. Circulation Research, 1995, 76, 343-350.	4.5	70
48	A single nonpolar residue in the deep pore of related K+ channels acts as a K+:Rb+ conductance switch. Biophysical Journal, 1992, 62, 136-144.	0.5	67
49	A novel KCNQ3 mutation in familial epilepsy with focal seizures and intellectual disability. Epilepsia, 2015, 56, e15-20.	5.1	66
50	Regulation by Spermine of Native Inward Rectifier K+ Channels in RBL-1 Cells. Journal of Biological Chemistry, 1996, 271, 6114-6121.	3.4	65
51	Expression, Localization, and Pharmacological Role of K_v7 Potassium Channels in Skeletal Muscle Proliferation, Differentiation, and Survival after Myotoxic Insults. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 811-820.	2.5	65
52	Expression and function of Kv7.4 channels in rat cardiac mitochondria: possible targets for cardioprotection. Cardiovascular Research, 2016, 110, 40-50.	3.8	65
53	Cardiac ion channels and antihistamines: possible mechanisms of cardiotoxicity. Clinical and Experimental Allergy, 1999, 29, 182-189.	2.9	63
54	Coupling between the voltage-sensing and phosphatase domains of Ci-VSP. Journal of General Physiology, 2009, 134, 5-14.	1.9	63

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55	Epileptic channelopathies caused by neuronal Kv7 (KCNQ) channel dysfunction. Pflugers Archiv European Journal of Physiology, 2020, 472, 881-898.	2.8	62
56	Human Ether-a-gogo Related Gene (HERG) K Channels as Pharmacological Targets. Biochemical Pharmacology, 1998, 55, 1741-1746.	4.4	61
57	Low expression of Kv7/M channels facilitates intrinsic and network bursting in the developing rat hippocampus. Journal of Physiology, 2008, 586, 5437-5453.	2.9	61
58	Decreased Subunit Stability as a Novel Mechanism for Potassium Current Impairment by a KCNQ2 C Terminus Mutation Causing Benign Familial Neonatal Convulsions. Journal of Biological Chemistry, 2006, 281, 418-428.	3.4	58
59	A novel KCNQ2 K ⁺ channel mutation in benign neonatal convulsions and centrotemporal spikes. Neurology, 2003, 61, 131-134.	1.1	57
60	New advances in beta-blocker therapy in heart failure. Frontiers in Physiology, 2013, 4, 323.	2.8	56
61	Early Treatment with Quinidine in 2 Patients with Epilepsy of Infancy with Migrating Focal Seizures (EIMFS) Due to Gain-of-Function KCNT1 Mutations: Functional Studies, Clinical Responses, and Critical Issues for Personalized Therapy. Neurotherapeutics, 2018, 15, 1112-1126.	4.4	56
62	Physical exercise for prevention of dementia (EPD) study: background, design and methods. BMC Public Health, 2019, 19, 659.	2.9	53
63	The Gene Encoding a Cationic Amino Acid Transporter (SLC7A4) Maps to the Region Deleted in the Velocardiofacial Syndrome. Genomics, 1998, 49, 230-236.	2.9	52
64	Human neoplastic mesothelial cells express voltage-gated sodium channels involved in cell motility. International Journal of Biochemistry and Cell Biology, 2006, 38, 1146-1159.	2.8	51
65	Involvement of KCNQ2 subunits in [3H]dopamine release triggered by depolarization and pre-synaptic muscarinic receptor activation from rat striatal synaptosomes. Journal of Neurochemistry, 2007, 102, 179-193.	3.9	51
66	Gating currents of the cloned delayed-rectifier K+ channel DRK1.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4758-4762.	7.1	50
67	A Novel Hyperekplexia-causing Mutation in the Pre-transmembrane Segment 1 of the Human Glycine Receptor Iˆ±1 Subunit Reduces Membrane Expression and Impairs Gating by Agonists. Journal of Biological Chemistry, 2004, 279, 25598-25604.	3.4	49
68	Atypical Gating Of M-Type Potassium Channels Conferred by Mutations in Uncharged Residues in the S4 Region of KCNQ2 Causing Benign Familial Neonatal Convulsions. Journal of Neuroscience, 2007, 27, 4919-4928.	3.6	49
69	Preâ€synaptic BK channels selectively control glutamate versus GABA release from cortical and hippocampal nerve terminals. Journal of Neurochemistry, 2010, 115, 411-422.	3.9	43
70	Pharmacological Targeting of Neuronal Kv7.2/3 Channels: A Focus on Chemotypes and Receptor Sites. Current Medicinal Chemistry, 2018, 25, 2637-2660.	2.4	43
71	Gating Currents from Kv7 Channels Carrying Neuronal Hyperexcitability Mutations in the Voltage-Sensing Domain. Biophysical Journal, 2012, 102, 1372-1382.	0.5	42
72	Specification of skeletal muscle differentiation by repressor element-1 silencing transcription factor (REST)-regulated K_v7.4 potassium channels. Molecular Biology of the Cell, 2013, 24, 274-284.	2.1	42

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73	Neurobiology of coronaviruses: Potential relevance for COVID-19. Neurobiology of Disease, 2020, 143, 105007.	4.4	42
74	Regulation of K+/Rb+ selectivity and internal TEA blockade by mutations at a single site in K+ pores. Pflugers Archiv European Journal of Physiology, 1993, 423-423, 104-112.	2.8	41
75	Nuclear factor-Î¹B activation by reactive oxygen species mediates voltage-gated K+ current enhancement by neurotoxic Î²-amyloid peptides in nerve growth factor-differentiated PC-12 cells and hippocampal neurones. Journal of Neurochemistry, 2005, 94, 572-586.	3.9	41
76	De novo gainâ€ofâ€function variants in KCNT2 as a novel cause of developmental and epileptic encephalopathy. Annals of Neurology, 2018, 83, 1198-1204.	5.3	41
77	Epilepsy-causing mutations in Kv7.2 C-terminus affect binding and functional modulation by calmodulin. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1856-1866.	3.8	40
78	Early-onset epileptic encephalopathy caused by a reduced sensitivity of Kv7.2 potassium channels to phosphatidylinositol 4,5-bisphosphate. Scientific Reports, 2016, 6, 38167.	3.3	40
79	Tryptamine-Based Derivatives as Transient Receptor Potential Melastatin Type 8 (TRPM8) Channel Modulators. Journal of Medicinal Chemistry, 2016, 59, 2179-2191.	6.4	40
80	Comparison of H5, S6, and H5-S6 exchanges on pore properties of voltage-dependent K+ channels. Journal of Biological Chemistry, 1994, 269, 13867-73.	3.4	40
81	Modulation of the K+Channels Encoded by the Human Ether-a-Gogo-Related Gene-1 (hERG1) by Nitric Oxide. Molecular Pharmacology, 1999, 56, 1298-1308.	2.3	37
82	Gating Consequences of Charge Neutralization of Arginine Residues in the S4 Segment of Kv7.2, an Epilepsy-Linked K+ Channel Subunit. Biophysical Journal, 2008, 95, 2254-2264.	0.5	36
83	The Role of Kv7.2 in Neurodevelopment: Insights and Gaps in Our Understanding. Frontiers in Physiology, 2020, 11, 570588.	2.8	35
84	Functional and biochemical interaction between PPARÎ± receptors and TRPV1 channels: Potential role in PPARÎ± agonists-mediated analgesia. Pharmacological Research, 2014, 87, 113-122.	7.1	33
85	Cardiac safety of secondâ€generation H₁â€antihistamines when updosed in chronic spontaneous urticaria. Clinical and Experimental Allergy, 2019, 49, 1615-1623.	2.9	33
86	Felbamate inhibits cloned voltage-dependent Na+ channels from human and rat brain. European Journal of Pharmacology, 1996, 316, 373-377.	3.5	32
87	Inhibition of HERG1 K+ channels by the novel second-generation antihistamine mizolastine. British Journal of Pharmacology, 2000, 131, 1081-1088.	5.4	32
88	Pharmacological Blockade of ERG K⁺Channels and Ca²⁺Influx through Store-Operated Channels Exerts Opposite Effects on Intracellular Ca²⁺Oscillations in Pituitary GH₃Cells. Molecular Pharmacology, 2000, 58, 1115-1128.	2.3	32
89	KV7 channels regulate muscle tone and nonadrenergic noncholinergic relaxation of the rat gastric fundus. Pharmacological Research, 2011, 64, 397-409.	7.1	31
90	Identification of a Potent Tryptophan-Based TRPM8 Antagonist With in Vivo Analgesic Activity. Journal of Medicinal Chemistry, 2018, 61, 6140-6152.	6.4	31

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91	Correlating the Clinical and Genetic Features of Benign Familial Neonatal Seizures (BFNS) with the Functional Consequences of Underlying Mutations. Channels, 2007, 1, 228-233.	2.8	29
92	A novel homozygous KCNQ3 lossâ€ofâ€function variant causes nonâ€syndromic intellectual disability and neonatalâ€onset pharmacodependent epilepsy. Epilepsia Open, 2019, 4, 464-475.	2.4	29
93	Gating currents from neuronal K_V7.4 Channels: General features and correlation with the ionic conductance. Channels, 2009, 3, 277-286.	2.8	28
94	Genderâ€related issues in the pharmacology of new antiâ€obesity drugs. Obesity Reviews, 2019, 20, 375-384.	6.5	28
95	A new Italian FHM2 family: Clinical aspects and functional analysis of the disease-associated mutation. Cephalalgia, 2011, 31, 808-819.	3.9	27
96	Gadolinium and neomycin block voltage-sensitive Ca2+ channels without interfering with the Na+î—¸Ca2+ antiporter in brain nerve endings. European Journal of Pharmacology, 1993, 245, 97-103.	2.6	26
97	Functional analysis of novel KCNQ2 and KCNQ3 gene variants found in a large pedigree with benign familial neonatal convulsions (BFNC). Neurogenetics, 2005, 6, 185-193.	1.4	26
98	Effect of maitotoxin on cytosolic Ca2+ levels and membrane potential in purified rat brain synaptosomes. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1026, 126-132.	2.6	25
99	Neutralization of a unique, negatively-charged residue in the voltage sensor of KV7.2 subunits in a sporadic case of benign familial neonatal seizures. Neurobiology of Disease, 2009, 34, 501-510.	4.4	25
100	Activation of preâ€synaptic Mâ€type K⁺ channels inhibits [³H]<scp>d</scp>â€aspartate release by reducing Ca²⁺ entry through P/Qâ€type voltageâ€gated Ca²⁺channels. Journal of Neurochemistry, 2009, 109, 168-181.	3.9	25
101	The Voltage-Sensing Domain of Kv7.2 Channels as a Molecular Target for Epilepsy-Causing Mutations and Anticonvulsants. Frontiers in Pharmacology, 2011, 2, 2.	3.5	24
102	Genotype-phenotype correlations in patients with de novo KCNQ2 pathogenic variants. Neurology: Genetics, 2020, 6, e528.	1.9	24
103	Neuronal potassium channel openers in the management of epilepsy: role and potential of retigabine. Clinical Pharmacology: Advances and Applications, 2010, 2, 225.	1.2	23
104	Cloned Human Inward Rectifier K + Channel as a Target for Class III Methanesulfonanilides. Circulation Research, 1995, 77, 1151-1155.	4.5	23
105	Maitotoxin and BAY-K-8644: two putative calcium channel activators with different effects on endogenous dopamine release from tuberoinfundibular neurons. Brain Research, 1986, 381, 356-358.	2.2	22
106	Isoxazole derivatives as potent transient receptor potential melastatin type 8 (TRPM8) agonists. European Journal of Medicinal Chemistry, 2013, 69, 659-669.	5.5	22
107	Addressing the use of PDIF-CN2 molecules in the development of n-type organic field-effect transistors for biosensing applications. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4365-4373.	2.4	22
108	Gating currents from neuronal K(V)7.4 channels: general features and correlation with the ionic conductance. Channels, 2009, 3, 274-83.	2.8	22

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109	Gating currents from a delayed rectifier K+ channel with altered pore structure and function. Biophysical Journal, 1992, 62, 34-36.	0.5	21
110	A y+LAT-1 mutant protein interferes with y+LAT-2 activity: implications for the molecular pathogenesis of lysinuric protein intolerance. European Journal of Human Genetics, 2005, 13, 628-634.	2.8	21
111	Kv7.3 Compound Heterozygous Variants in Early Onset Encephalopathy Reveal Additive Contribution of C-Terminal Residues to PIP2-Dependent K+ Channel Gating. Molecular Neurobiology, 2018, 55, 7009-7024.	4.0	21
112	Cardiotoxic Effects of Antihistamines: From Basics to Clinics (â€¦and Back). Chemical Research in Toxicology, 2008, 21, 997-1004.	3.3	20
113	Synthesis and Pharmacological Characterization of Conformationally Restricted Retigabine Analogues as Novel Neuronal Kv7 Channel Activators. Journal of Medicinal Chemistry, 2020, 63, 163-185.	6.4	20
114	Calcium cytotoxicity sensitizes prostate cancer cells to standard-of-care treatments for locally advanced tumors. Cell Death and Disease, 2020, 11, 1039.	6.3	20
115	Distinct epilepsy phenotypes and response to drugs in KCNA1 gainâ€•and lossâ€•of function variants. Epilepsia, 2022, 63, .	5.1	20
116	Na(+)-Ca2+ exchange activity in central nerve endings. II. Relationship between pharmacological blockade by amiloride analogues and dopamine release from tuberoinfundibular hypothalamic neurons. Molecular Pharmacology, 1990, 38, 393-400.	2.3	20
117	Lysinuric protein intolerance: identification and functional analysis of mutations of the SLC7A7 gene. Human Mutation, 2005, 25, 410-410.	2.5	19
118	Amyloid-Î² Protein Precursor Regulates Phosphorylation and Cellular Compartmentalization of Microtubule Associated Protein Tau. Journal of Alzheimer's Disease, 2012, 29, 211-227.	2.6	19
119	Large Conductance Calcium-Activated Potassium Channels: Their Expression and Modulation of Glutamate Release from Nerve Terminals Isolated from Rat Trigeminal Caudal Nucleus and Cerebral Cortex. Neurochemical Research, 2014, 39, 901-910.	3.3	19
120	Critical role of large-conductance calcium- and voltage-activated potassium channels in leptin-induced neuroprotection of N-methyl-d-aspartate-exposed cortical neurons. Pharmacological Research, 2014, 87, 80-86.	7.1	19
121	KCNQ2 R144 variants cause neurodevelopmental disability with language impairment and autistic features without neonatal seizures through a gain-of-function mechanism. EBioMedicine, 2022, 81, 104130.	6.1	19
122	The Na+î—¸Ca2+ exchanger activity in cerebrocortical nerve endings is reduced in old compared to young and mature rats when it operates as a Ca2+ influx or efflux pathway. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1107, 175-178.	2.6	18
123	Voltage-dependent inhibition and facilitation of Ca channel activation by GTP-Î³-S and Ca-agonists in adult rat sensory neurons. Neuroscience Letters, 1991, 123, 203-207.	2.1	17
124	Inhibition of depolarization-induced [3H]noradrenaline release from SH-SY5Y human neuroblastoma cells by some second-generation H1 receptor antagonists through blockade of store-operated Ca2+ channels (SOCs)11Abbreviations: hERG, human Ether-a-go-go Related Gene; SOC, Ca2+ currents activated by [Ca2+]i store depletion; NE, norepinephrine; [K+]e, e xtracellular K+ concentration; [Ca2+]i, intracellular Ca2+ concentration; HBS, HEPES-buffered saline; SERCA, sarcoplasmic-endoplasmic reticulum calcium ATPase; an. Biochemical Pharmacology, 2001, 62, 1229-1238.	4.4	17
125	Epileptic Encephalopathy In A Patient With A Novel Variant In The Kv7.2 S2 Transmembrane Segment: Clinical, Genetic, and Functional Features. International Journal of Molecular Sciences, 2019, 20, 3382.	4.1	17
126	Plasma Prolactin Levels in the Inferior Petrosal Sinuses in Various Pituitary Disorders during Perihypophyseal Phlebography. Neuroendocrinology, 1987, 46, 333-338.	2.5	14

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127	Subtype-Selective Activation of K_v7 Channels by AaTXKÎ²_(2â€“64), a Novel Toxin Variant from theAndroctonus australisScorpion Venom. Molecular Pharmacology, 2013, 84, 763-773.	2.3	14
128	Differential Regulation of PI(4,5)P2 Sensitivity of Kv7.2 and Kv7.3 Channels by Calmodulin. Frontiers in Molecular Neuroscience, 2017, 10, 117.	2.9	14
129	Gain of function due to increased opening probability by two KCNQ5 pore variants causing developmental and epileptic encephalopathy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2116887119.	7.1	14
130	Histidines 578 and 587 in the S5-S6Linker of the Human Ether-a-gogo Related Gene-1K+ Channels Confer Sensitivity to Reactive Oxygen Species. Journal of Biological Chemistry, 2002, 277, 8912-8919.	3.4	13
131	Molecular pathophysiology and pharmacology of the voltage-sensing module of neuronal ion channels. Frontiers in Cellular Neuroscience, 2015, 9, 259.	3.7	13
132	Effect of different Ca2+ entry blockers on dopamine-induced inhibition of in vitro prolactin secretion. European Journal of Pharmacology, 1988, 146, 201-206.	3.5	12
133	Rescue of lethal subunits into functional K+ channels. Biophysical Journal, 1994, 66, 179-190.	0.5	12
134	Effects of manidipine and nitrendipine enantiomers on the plateau phase of K+-induced intracellular Ca2+ increase in GH3 cells. European Journal of Pharmacology, 1999, 376, 169-178.	3.5	12
135	Involvement of inward rectifier and M-type currents in carbachol-induced epileptiform synchronization. Neuropharmacology, 2011, 60, 653-661.	4.1	12
136	A micro-bioimpedance meter for monitoring insulin bioavailability in personalized diabetes therapy. Scientific Reports, 2020, 10, 13656.	3.3	12
137	Effect of different organic and inorganic blockers of calcium entry on the release of endogenous dopamine from tuberoinfundibular neurones. Neuropharmacology, 1986, 25, 527-532.	4.1	11
138	Cytoplasmic alkalinization induced by insulin through an activation of Na+î—¸H+ antiporter inhibits tyrosine hydroxylase activity in striatal synaptosomes. Biochemical Pharmacology, 1991, 41, 1279-1282.	4.4	11
139	Protective Role of Kv7 Channels in Oxygen and Glucose Deprivation-Induced Damage in Rat Caudate Brain Slices. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1593-1600.	4.3	11
140	Studies on maitotoxin-induced intracellular Ca(2+) elevation in chinese hamster ovary cells stably transfected with cDNAs encoding for L-type Ca(2+) channel subunits. Journal of Pharmacology and Experimental Therapeutics, 1999, 290, 725-30.	2.5	11
141	HYPEREKPLEXIA CAUSED BY DOMINANT-NEGATIVE SUPPRESSION OF GLYRA1 FUNCTION. Neurology, 2007, 68, 1947-1949.	1.1	10
142	AMPA- and P2X7-receptor-mediated facilitation of [3H]d-aspartate release from nerve terminals isolated from the rat caudal brainstem. Neurochemistry International, 2010, 57, 623-628.	3.8	10
143	Expression and motor functional roles of voltage-dependent type 7 K+ channels in the human taenia coli. European Journal of Pharmacology, 2013, 721, 12-20.	3.5	10
144	A novel mutation in KCNQ3â€related benign familial neonatal epilepsy: electroclinical features and neurodevelopmental outcome. Epileptic Disorders, 2019, 21, 87-91.	1.3	10

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145	Dual effect of verapamil on K+-evoked release of endogenous dopamine from arcuate nucleus-median eminence complex. Neuroscience Letters, 1984, 50, 269-272.	2.1	9
146	Evaluation of the cardiac safety of second-generation antihistamines. Allergy: European Journal of Allergy and Clinical Immunology, 2000, 55, 22-30.	5.7	9
147	Cell viability studies and operation in cellular culture medium of n-type organic field-effect transistors. Journal of Applied Physics, 2012, 111, 034702.	2.5	9
148	Î²-Adrenergic response is counteracted by extremely-low-frequency pulsed electromagnetic fields in beating cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2016, 98, 146-158.	1.9	9
149	Comparative Safety of Originator and Biosimilar Epoetin Alfa Drugs: An Observational Prospective Multicenter Study. BioDrugs, 2018, 32, 367-375.	4.6	9
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