

Hiroshi Matsuura

List of Publications by Year in descending order

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citations

304602

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all docs

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docs citations

100
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	Propofol, an Anesthetic Agent, Inhibits HCN Channels through the Allosteric Modulation of the cAMP-Dependent Gating Mechanism. <i>Biomolecules</i> , 2022, 12, 570.	1.8	6
2	Atypically Shaped Cardiomyocytes (ACMs): The Identification, Characterization and New Insights into a Subpopulation of Cardiomyocytes. <i>Biomolecules</i> , 2022, 12, 896.	1.8	1
3	Elevation of propofol sensitivity of cardiac K_{s} channel by KCNE1 polymorphism D85N. <i>British Journal of Pharmacology</i> , 2021, 178, 2690-2708.	2.7	1
4	An Antegrade Perfusion Method for Cardiomyocyte Isolation from Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	0
5	Dexmedetomidine exerts a negative chronotropic action on sinoatrial node cells through the activation of imidazoline receptors. <i>Journal of Cardiovascular Pharmacology</i> , 2021, Publish Ahead of Print, 826-838.	0.8	3
6	Selective activation of adrenoceptors potentiates I _{Ks} current in pulmonary vein cardiomyocytes through the protein kinase A and C signaling pathways. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 161, 86-97.	0.9	2
7	Positive Inotropic Effects of ATP Released via the Maxi-Anion Channel in Langendorff-Perfused Mouse Hearts Subjected to Ischemia-Reperfusion. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 597997.	1.8	6
8	Characterization and functional role of rapid- and slow-activating delayed rectifier K ⁺ currents in atrioventricular node cells of guinea pigs. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 1885-1898.	1.3	1
9	Expression and functional maintenance of volume-regulated anion channels in myometrial smooth muscles of pregnant mice. <i>Experimental Animals</i> , 2021, , .	0.7	0
10	Anesthetic Management of a Patient With Type 1 Long QT Syndrome Using Combined Epidural-Spinal Anesthesia for Caesarean Section: Perioperative Approach Based on Ion Channel Function. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 465-469.	0.6	5
11	A computational analysis of the effect of sevoflurane in a human ventricular cell model of long QT syndrome: Importance of repolarization reserve in the QT-prolonging effect of sevoflurane. <i>European Journal of Pharmacology</i> , 2020, 883, 173378.	1.7	4
12	Identification of transmembrane protein 168 mutation in familial Brugada syndrome. <i>FASEB Journal</i> , 2020, 34, 6399-6417.	0.2	6
13	Open-channel blocking action of volatile anaesthetics desflurane and sevoflurane on human voltage-gated K ^v 1.5 channel. <i>British Journal of Pharmacology</i> , 2020, 177, 3811-3827.	2.7	5
14	A de novo gain-of-function KCND3 mutation in early repolarization syndrome. <i>Heart Rhythm</i> , 2019, 16, 1698-1706.	0.3	30
15	Long-term 4-AP treatment facilitates functional expression of human Kv1.5 channel. <i>European Journal of Pharmacology</i> , 2019, 844, 195-203.	1.7	2
16	A trafficking-deficient KCNQ1 mutation, T587M, causes a severe phenotype of long QT syndrome by interfering with intracellular hERG transport. <i>Journal of Cardiology</i> , 2019, 73, 343-350.	0.8	9
17	Identification of Verapamil Binding Sites Within Human Kv1.5 Channel Using Mutagenesis and Docking Simulation. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 302-314.	1.1	6
18	Heterogeneous functional expression of the sustained inward Na ⁺ current in guinea pig sinoatrial node cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2018, 470, 481-490.	1.3	9

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19	A hERG mutation E1039X produced a synergistic lesion on IKs together with KCNQ1-R174C mutation in a LQTS family with three compound mutations. <i>Scientific Reports</i> , 2018, 8, 3129.	1.6	2
20	Transient Receptor Potential Canonical Channel Blockers Improve Ventricular Contractile Functions After Ischemia/Reperfusion in a Langendorff-perfused Mouse Heart Model. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 71, 248-255.	0.8	7
21	Interactions of Propofol With Human Voltage-gated Kv1.5 Channel Determined by Docking Simulation and Mutagenesis Analyses. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 71, 10-18.	0.8	4
22	A simple antegrade perfusion method for isolating viable single cardiomyocytes from neonatal to aged mice. <i>Physiological Reports</i> , 2018, 6, e13688.	0.7	14
23	Postnatal developmental changes in the sensitivity of L-type Ca ²⁺ channel to inhibition by verapamil in a mouse heart model. <i>Pediatric Research</i> , 2018, 83, 1207-1217.	1.1	5
24	Novel intracellular transport-refractory mutations in KCNH2 identified in patients with symptomatic long QT syndrome. <i>Journal of Cardiology</i> , 2018, 71, 401-408.	0.8	3
25	P2X7 ionotropic receptor is functionally expressed in rabbit articular chondrocytes and mediates extracellular ATP cytotoxicity. <i>Purinergic Signalling</i> , 2018, 14, 245-258.	1.1	9
26	A novel CACNA1C mutation identified in a patient with Timothy syndrome without syndactyly exerts both marked loss- and gain-of-function effects. <i>HeartRhythm Case Reports</i> , 2018, 4, 273-277.	0.2	18
27	Identification of cardiac progenitors that survive in the ischemic human heart after ventricular myocyte death. <i>Scientific Reports</i> , 2017, 7, 41318.	1.6	5
28	The organic anion transporter <sc>SLCO</sc>2A1 constitutes the core component of the Maxiâ€œCl channel. <i>EMBO Journal</i> , 2017, 36, 3309-3324.	3.5	46
29	CaV1.3 L-type Ca ²⁺ channel contributes to the heartbeat by generating a dihydropyridine-sensitive persistent Na ⁺ current. <i>Scientific Reports</i> , 2017, 7, 7869.	1.6	32
30	Ionic mechanisms of the action of anaesthetics on sinoatrial node automaticity. <i>European Journal of Pharmacology</i> , 2017, 814, 63-72.	1.7	11
31	Contribution of a KCNH2 variant in genotyped long QT syndrome: Romanoâ€™Ward syndrome under double mutations and acquired long QT syndrome under heterozygote. <i>Journal of Cardiology</i> , 2017, 70, 74-79.	0.8	8
32	Lidocaine induces ROCK-dependent membrane blebbing and subsequent cell death in rabbit articular chondrocytes. <i>Journal of Orthopaedic Research</i> , 2016, 34, 754-762.	1.2	9
33	Serum albumin attenuates the open-channel blocking effects of propofol on the human Kv1.5 channel. <i>European Journal of Pharmacology</i> , 2016, 783, 117-126.	1.7	4
34	Regulation of human cardiac Kv1.5 channels by extracellular acidification. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1885-1894.	1.3	1
35	Prion protein- and cardiac troponin T-marked interstitial cells from the adult myocardium spontaneously develop into beating cardiomyocytes. <i>Scientific Reports</i> , 2015, 4, 7301.	1.6	4
36	Putative binding sites for arachidonic acid on the human cardiac K _v 1.5 channel. <i>British Journal of Pharmacology</i> , 2015, 172, 5281-5292.	2.7	20

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37	Phosphatidylinositol4-phosphate 5-kinase prevents the decrease in the HERG potassium current induced by Gq protein-coupled receptor stimulation. <i>Journal of Pharmacological Sciences</i> , 2015, 127, 127-134.	1.1	4
38	The Presence of LC3 and LAMP1 Is Greater in Normal Sino-Atrial Nodal Cells Than in Ordinary Cardiomyocytes, Indicating a Constitutive Event. , 2015, , 219-226.		0
39	Interaction of propofol with voltage-gated human Kv1.5 channel through specific amino acids within the pore region. <i>European Journal of Pharmacology</i> , 2015, 764, 622-632.	1.7	7
40	Ionic mechanisms underlying the negative chronotropic action of propofol on sinoatrial node automaticity in guinea pig heart. <i>British Journal of Pharmacology</i> , 2015, 172, 799-814.	2.7	18
41	Ca ²⁺ /calmodulin potentiates I _{Ks} in sinoatrial node cells by activating Ca ²⁺ /calmodulin-dependent protein kinase II. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 241-251.	1.3	15
42	Gain-of-function KCNH2 Mutations in Patients with Brugada Syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 522-530.	0.8	36
43	Irbesartan-mediated AT ₁ receptor blockade attenuates hyposmotic-induced enhancement of I _{Ks} current and prevents shortening of action potential duration in atrial myocytes. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2014, 15, 341-347.	1.0	5
44	Novel intracellular mediator of adiponectin secretion from adipocytes. <i>Journal of Physiology</i> , 2014, 592, 5141-5141.	1.3	5
45	A rare KCNE1 polymorphism, D85N, as a genetic modifier of long QT syndrome. <i>Journal of Arrhythmia</i> , 2014, 30, 161-166.	0.5	2
46	A novel KCNQ1 missense mutation identified in a patient with juvenile-onset atrial fibrillation causes constitutively open I _{Ks} channels. <i>Heart Rhythm</i> , 2014, 11, 67-75.	0.3	33
47	A Molecular Mechanism for Adrenergic-Induced Long QT Syndrome. <i>Journal of the American College of Cardiology</i> , 2014, 63, 819-827.	1.2	37
48	Long QT syndrome type 8: novel CACNA1C mutations causing QT prolongation and variant phenotypes. <i>Europace</i> , 2014, 16, 1828-1837.	0.7	81
49	Direct Negative Chronotropic Action of Desflurane on Sinoatrial Node Pacemaker Activity in the Guinea Pig Heart. <i>Anesthesiology</i> , 2014, 120, 1400-1413.	1.3	8
50	Improved Functional Expression of Human Cardiac Kv1.5 Channels and Trafficking-Defective Mutants by Low Temperature Treatment. <i>PLoS ONE</i> , 2014, 9, e92923.	1.1	9
51	Ischemic survival and constitutively active autophagy in self-beating atypically-shaped cardiomyocytes (ACMs): characterization of a new subpopulation of heart cells. <i>Journal of Physiological Sciences</i> , 2013, 63, 17-29.	0.9	12
52	The COX-2 Selective Blocker Etodolac Inhibits TNF α -Induced Apoptosis in Isolated Rabbit Articular Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2013, 14, 19705-19715.	1.8	12
53	Remifentanyl Has a Minimal Direct Effect on Sinoatrial Node Pacemaker Activity in the Guinea Pig Heart. <i>Anesthesia and Analgesia</i> , 2013, 117, 1072-1077.	1.1	7
54	Sevoflurane Protects Ventricular Myocytes against Oxidative Stress-induced Cellular Ca ²⁺ Overload and Hypercontracture. <i>Anesthesiology</i> , 2013, 119, 606-620.	1.3	32

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55	17 β -Oestradiol inhibits doxorubicin-induced apoptosis via block of the volume-sensitive Cl ⁻ current in rabbit articular chondrocytes. <i>British Journal of Pharmacology</i> , 2012, 166, 702-720.	2.7	22
56	Inhibitory effects of sevoflurane on pacemaking activity of sinoatrial node cells in guinea pig heart. <i>British Journal of Pharmacology</i> , 2012, 166, 2117-2135.	2.7	16
57	Postnatal developmental decline in IK1 in mouse ventricular myocytes isolated by the Langendorff perfusion method: comparison with the chunk method. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 649-668.	1.3	16
58	Regulatory mechanisms underlying the modulation of GIRK1/GIRK4 heteromeric channels by P2Y receptors. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 625-633.	1.3	1
59	Autophagy Is Constitutively Active in Normal Mouse Sino-Atrial Nodal Cells. <i>Acta Histochemica Et Cytochemica</i> , 2011, 44, 223-231.	0.8	4
60	Reply to 'Letter to the editor: 'Validating the requirement for beat-to-beat coupling of the Ca ²⁺ clock and M clock in pacemaker cell normal automaticity' American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H2325-H2326.	1.5	3
61	Sevoflurane Protects Ventricular Myocytes from Ca ²⁺ Paradox-mediated Ca ²⁺ Overload by Blocking the Activation of Transient Receptor Potential Canonical Channels. <i>Anesthesiology</i> , 2011, 115, 509-522.	1.3	11
62	Characterization of the Rapidly Activating Delayed Rectifier Potassium Current, I Kr, in HL-1 Mouse Atrial Myocytes. <i>Journal of Membrane Biology</i> , 2010, 235, 73-87.	1.0	11
63	Presence and functional role of the rapidly activating delayed rectifier K ⁺ current in left and right atria of adult mice. <i>European Journal of Pharmacology</i> , 2010, 649, 14-22.	1.7	20
64	Ca ²⁺ paradox injury mediated through TRPC channels in mouse ventricular myocytes. <i>British Journal of Pharmacology</i> , 2010, 161, 1734-1750.	2.7	42
65	Regulatory role of tyrosine phosphorylation in the swelling-activated chloride current in isolated rabbit articular chondrocytes. <i>Journal of Physiology</i> , 2009, 587, 3761-3776.	1.3	17
66	A novel type of self-beating cardiomyocytes in adult mouse ventricles. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 361-366.	1.0	12
67	D85N, a KCNE1 Polymorphism, Is a Disease-Causing Gene Variant in Long QT Syndrome. <i>Journal of the American College of Cardiology</i> , 2009, 54, 812-819.	1.2	145
68	Adrenergic regulation of the rapid component of delayed rectifier K ⁺ current: Implications for arrhythmogenesis in LQT2 patients. <i>Heart Rhythm</i> , 2009, 6, 1038-1046.	0.3	19
69	Swelling-Activated Cl ⁻ Current in Isolated Rabbit Articular Chondrocytes: Inhibition by Arachidonic Acid. <i>Journal of Pharmacological Sciences</i> , 2009, 109, 293-304.	1.1	19
70	Cinnamyl-3,4-dihydroxy- β -cyanocinnamate and nordihydroguaiaretic acid inhibit human Kv1.5 currents independently of lipoxygenase. <i>European Journal of Pharmacology</i> , 2008, 600, 18-25.	1.7	13
71	Hydroxyzine, a First Generation H1-Receptor Antagonist, Inhibits Human Ether-a-go-go-Related Gene (HERG) Current and Causes Syncope in a Patient With the HERG Mutation. <i>Journal of Pharmacological Sciences</i> , 2008, 108, 462-471.	1.1	34
72	Functional analysis of rod monochromacy-associated missense mutations in the CNGA3 subunit of the cone photoreceptor cGMP-gated channel. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 88-93.	1.0	27

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73	Effect of ATP on preadipocyte migration and adipocyte differentiation by activating P2Y receptors in 3T3-L1 cells. <i>Biochemical Journal</i> , 2006, 393, 171-180.	1.7	39
74	Response to Letter Regarding Article, "Angiotensin II Potentiates the Slow Component of Delayed Rectifier K ⁺ Current via the AT ₁ Receptor in Guinea Pig Atrial Myocytes" <i>Circulation</i> , 2006, 114, .	1.6	12
75	Responses of the sustained inward current to autonomic agonists in guinea-pig sino-atrial node pacemaker cells. <i>British Journal of Pharmacology</i> , 2005, 144, 660-668.	2.7	19
76	Regulation of the muscarinic K ⁺ channel by extracellular ATP through membrane phosphatidylinositol 4,5-bisphosphate in guinea-pig atrial myocytes. <i>British Journal of Pharmacology</i> , 2005, 145, 156-165.	2.7	5
77	HETEROGENEOUS DISTRIBUTION OF THE MUSCARINIC K ⁺ CHANNELS IN GUINEA-PIG ATRIA. , 2005, , .		0
78	STIMULATORY ACTION OF ANGIOTENSIN II ON I _{Ks} POTASSIUM CURRENT IN GUINEA-PIG ATRIAL CELLS. , 2005, , .		0
79	OPEN-STATE UNBLOCK CHARACTERIZES ACUTE INHIBITION OF I _{Ks} POTASSIUM CURRENT BY AMIODARONE IN GUINEA-PIG VENTRICULAR MYOCYTES. , 2005, , .		0
80	DIFFERENTIAL EFFECTS OF MEFENAMIC ACID ON CARDIAC I _{Ks} AND THE KCNQ1/KCNE1 CHANNELS. , 2005, , .		0
81	POTENTIATION OF I _{Ks} POTASSIUM CURRENT IN GUINEA-PIG VENTRICULAR MYOCYTES BY SPHINGOSINE-1-PHOSPHATE. , 2005, , .		0
82	Regulation of Cardiac I _{Ks} Potassium Current by Membrane Phosphatidylinositol 4,5-Bisphosphate. <i>Journal of Biological Chemistry</i> , 2004, 279, 50726-50734.	1.6	25
83	Application of dental implants after intraoral resection and immediate bone grafting in patients with mandibular ameloblastoma. <i>Nihon Koku Geka Gakkai Zasshi</i> , 2004, 50, 785-788.	0.0	0
84	Properties of the Na ⁺ /K ⁺ pump current in small neurons from adult rat dorsal root ganglia. <i>British Journal of Pharmacology</i> , 2003, 138, 1517-1527.	2.7	47
85	Rapidly and slowly activating components of delayed rectifier K ⁺ current in guinea-pig sino-atrial node pacemaker cells. <i>Journal of Physiology</i> , 2002, 540, 815-830.	1.3	43
86	Potentialiation of slow component of delayed rectifier K ⁺ current by cGMP via two distinct mechanisms: inhibition of phosphodiesterase 3 and activation of protein kinase G. <i>British Journal of Pharmacology</i> , 2002, 137, 127-137.	2.7	29
87	Blocking action of chromanol 293B on the slow component of delayed rectifier K ⁺ current in guinea-pig sino-atrial node cells. <i>British Journal of Pharmacology</i> , 2002, 137, 253-262.	2.7	17
88	Rapidly and slowly activating components of delayed rectifier K ⁺ current in guinea-pig sino-atrial node pacemaker cells. <i>Journal of Physiology</i> , 2002, 540, 815-830.	1.3	7
89	Inhibition of store-operated Ca ²⁺ entry by extracellular ATP in rat brown adipocytes. <i>Journal of Physiology</i> , 1999, 521, 601-615.	1.3	18
90	Swelling-induced Cl ⁻ current in guinea-pig atrial myocytes: inhibition by glibenclamide. <i>Journal of Physiology</i> , 1997, 505, 41-52.	1.3	37

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91	A flow cytometric analysis of DNA content in primary and metastatic lesions of esophageal squamous cell carcinoma. <i>Cancer</i> , 1992, 70, 2586-2591.	2.0	24
92	Predicting recurrence time of esophageal carcinoma through assessment of histologic factors and DNA ploidy. <i>Cancer</i> , 1991, 67, 1406-1411.	2.0	18
93	Growth patterns and prognosis of submucosal carcinoma of the esophagus. A pathologic study. <i>Cancer</i> , 1991, 68, 335-340.	2.0	18
94	Clinicopathological features of elevated lesions of the duodenal bulb. <i>Journal of Surgical Oncology</i> , 1990, 45, 79-84.	0.8	16
95	Oesophageal squamous cell carcinoma with lymphoid stroma. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , 1989, 415, 473-479.	1.4	21
96	An analysis of the delayed outward current in single ventricular cells of the guinea-pig. <i>Pflugers Archiv European Journal of Physiology</i> , 1987, 410, 596-603.	1.3	124
97	Malignant potentiality of squamous cell carcinoma of the esophagus predictable by DNA analysis. <i>Cancer</i> , 1986, 57, 1810-1814.	2.0	87
98	Prognostic factors of esophageal carcinoma: Univariate and multivariate analyses. <i>Journal of Surgical Oncology</i> , 1986, 31, 108-112.	0.8	47