

Yasutaka Kurata

List of Publications by Year in descending order

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49
papers

816
citations

567281

15
h-index

526287

27
g-index

50
all docs

50
docs citations

50
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±1-Adrenergic receptor mediates adipose-derived stem cell sheet-induced protection against chronic heart failure after myocardial infarction in rats. <i>Hypertension Research</i> , 2022, 45, 283-291.	2.7	2
2	Bifurcations and Proarrhythmic Behaviors in Cardiac Electrical Excitations. <i>Biomolecules</i> , 2022, 12, 459.	4.0	3
3	Kv1.5 channel mediates monosodium urate-induced activation of NLRP3 inflammasome in macrophages and arrhythmogenic effects of urate on cardiomyocytes. <i>Molecular Biology Reports</i> , 2022, 49, 5939-5952.	2.3	3
4	Esm1 and Stc1 as Angiogenic Factors Responsible for Protective Actions of Adipose-Derived Stem Cell Sheets on Chronic Heart Failure After Rat Myocardial Infarction. <i>Circulation Journal</i> , 2021, 85, 657-666.	1.6	13
5	Specific decreasing of Na ⁺ channel expression on the lateral membrane of cardiomyocytes causes fatal arrhythmias in Brugada syndrome. <i>Scientific Reports</i> , 2020, 10, 19964.	3.3	11
6	Pretreatment with cilnidipine attenuates hypoxia/reoxygenation injury in HL-1 cardiomyocytes through enhanced NO production and action potential shortening. <i>Hypertension Research</i> , 2020, 43, 380-388.	2.7	4
7	Impact of functional studies on exome sequence variant interpretation in early-onset cardiac conduction system diseases. <i>Cardiovascular Research</i> , 2020, 116, 2116-2130.	3.8	11
8	Novel inhibitory effects of dotinurad, a selective urate reabsorption inhibitor, on urate crystal-induced activation of NLRP3 inflammasomes in macrophages. <i>Vascular Failure</i> , 2020, 3, 59-67.	0.2	4
9	Angiotensin-2 is released during anaphylactic hypotension in anesthetized and unanesthetized rats. <i>PLoS ONE</i> , 2020, 15, e0242026.	2.5	1
10	Tonic contraction develops in the colon during anaphylactic hypotension in anesthetized rats. <i>Journal of Physiological Sciences</i> , 2019, 69, 953-960.	2.1	1
11	Anaphylaxis stimulates afferent vagal nerve activity and efferent sympathetic nerve activity in the stomach of anesthetized rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R337-R345.	1.8	4
12	Integrative and theoretical research on the architecture of a biological system and its disorder. <i>Journal of Physiological Sciences</i> , 2019, 69, 433-451.	2.1	1
13	Inhibitory effects of class I antiarrhythmic agents on Na ⁺ and Ca ²⁺ currents of human iPS cell-derived cardiomyocytes. <i>Regenerative Therapy</i> , 2019, 10, 104-111.	3.0	17
14	Multiple Dynamical Mechanisms of Phase-2 Early Afterdepolarizations in a Human Ventricular Myocyte Model: Involvement of Spontaneous SR Ca ²⁺ Release. <i>Frontiers in Physiology</i> , 2019, 10, 1545.	2.8	20
15	Restoration of mutant hERG stability by inhibition of HDAC6. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 115, 158-169.	1.9	13
16	Renal response to anaphylaxis in anesthetized rats and isolated perfused rat kidneys: roles of nitric oxide. <i>Journal of Physiological Sciences</i> , 2018, 68, 689-697.	2.1	7
17	Anaphylactic hypotension causes renal and adrenal sympathoexcitation and induces cã€šfos in the hypothalamus and medulla oblongata. <i>Experimental Physiology</i> , 2018, 103, 790-806.	2.0	5
18	Gastric vascular and motor responses to anaphylactic hypotension in anesthetized rats, in comparison to those with hemorrhagic or vasodilator-induced hypotension. <i>Journal of Physiological Sciences</i> , 2018, 68, 253-260.	2.1	5

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19	Protective Effects of Topiroxostat on an Ischemia-Reperfusion Model of Rat Hearts. <i>Circulation Journal</i> , 2018, 82, 1101-1111.	1.6	13
20	β ₂ -Adrenoceptor Blockade Deteriorates Systemic Anaphylaxis by Enhancing Hyperpermeability in Anesthetized Mice. <i>Allergy, Asthma and Immunology Research</i> , 2018, 10, 52.	2.9	5
21	Dynamical mechanism of multi-stable early afterdepolarizations in a ventricular myocyte elicited by administration of class III antiarrhythmic agents: in silico study. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-2-80.	0.0	0
22	Dynamical mechanisms of phase-2 early afterdepolarizations in human ventricular myocytes: insights from bifurcation analyses of two mathematical models. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H106-H127.	3.2	31
23	Molecular mechanisms underlying the pilsicainide-induced stabilization of hERG proteins in transfected mammalian cells. <i>Journal of Arrhythmia</i> , 2017, 33, 226-233.	1.2	1
24	Hysteretic Dynamics of Multi-Stable Early Afterdepolarisations with Repolarisation Reserve Attenuation: A Potential Dynamical Mechanism for Cardiac Arrhythmias. <i>Scientific Reports</i> , 2017, 7, 10771.	3.3	17
25	Tbx18-positive cells differentiated from murine ES cells serve as proepicardial progenitors to give rise to vascular smooth muscle cells and fibroblasts. <i>Biomedical Research</i> , 2017, 38, 229-238.	0.9	8
26	Electrophysiological properties of iPS cell-derived cardiomyocytes from a patient with long QT syndrome type 1 harboring the novel mutation M437V of KCNQ1. <i>Regenerative Therapy</i> , 2016, 4, 9-17.	3.0	13
27	Characterization of the novel mutant A78T hERG from a long QT syndrome type 2 patient: Instability of the mutant protein and stabilization by heat shock factor 1. <i>Journal of Arrhythmia</i> , 2016, 32, 433-440.	1.2	3
28	The responses of pulmonary and systemic circulation and airway to anaphylactic mediators in anesthetized BALB/c mice. <i>Life Sciences</i> , 2016, 147, 77-84.	4.3	6
29	The Role of Lumbar Sympathetic Nerves in Regulation of Blood Flow to Skeletal Muscle during Anaphylactic Hypotension in Anesthetized Rats. <i>PLoS ONE</i> , 2016, 11, e0150882.	2.5	8
30	Leptin Receptor Signaling in the Hypothalamus Regulates Hepatic Autonomic Nerve Activity via Phosphatidylinositol 3-Kinase and AMP-Activated Protein Kinase. <i>Journal of Neuroscience</i> , 2015, 35, 474-484.	3.6	54
31	E3 ligase CHIP and Hsc70 regulate Kv1.5 protein expression and function in mammalian cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 86, 138-146.	1.9	19
32	L-Ornithine intake affects sympathetic nerve outflows and reduces body weight and food intake in rats. <i>Brain Research Bulletin</i> , 2015, 111, 48-52.	3.0	17
33	Hypothalamic Nesfatin-1 Stimulates Sympathetic Nerve Activity via Hypothalamic ERK Signaling. <i>Diabetes</i> , 2015, 64, 3725-3736.	0.6	35
34	Stabilization of Kv1.5 channel protein by the inotropic agent olprinone. <i>European Journal of Pharmacology</i> , 2015, 765, 488-494.	3.5	3
35	Effects of Anesthetics on the Renal Sympathetic Response to Anaphylactic Hypotension in Rats. <i>PLoS ONE</i> , 2014, 9, e113945.	2.5	9
36	Mouse anaphylactic shock is caused by reduced cardiac output, but not by systemic vasodilatation or pulmonary vasoconstriction, via PAF and histamine. <i>Life Sciences</i> , 2014, 116, 98-105.	4.3	24

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37	Angiotensin II and vasopressin are involved in the defense system against anaphylactic hypotension in anesthetized rats. <i>European Journal of Pharmacology</i> , 2014, 731, 38-43.	3.5	9
38	Authors'™ response. <i>Cardiology Journal</i> , 2014, 21, 104-104.	1.2	1
39	Major Contribution of Vasospasm-Induced Coronary Blood Flow Reduction to Anaphylactic Ventricular Dysfunction Assessed in Isolated Blood-Perfused Rat Heart. <i>Cardiology Journal</i> , 2014, 21, 11-7.	1.2	8
40	Effect of hyperpolarization-activated current <i>I_f</i> on robustness of sinoatrial node pacemaking: theoretical study on influence of intracellular Na ⁺ concentration. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1337-H1351.	3.2	11
41	Effect of exercise training on ischemia-reperfusion injury of steatotic livers from OLETF rats ^{†1} . <i>FASEB Journal</i> , 2013, 27, 682.5.	0.5	0
42	Roles of sarcoplasmic reticulum Ca ²⁺ cycling and Na ⁺ /Ca ²⁺ exchanger in sinoatrial node pacemaking: Insights from bifurcation analysis of mathematical models. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H2285-H2300.	3.2	31
43	The effect of systemic anaphylaxis on mesenteric lymph flow in anesthetized rats. <i>FASEB Journal</i> , 2012, 26, 862.11.	0.5	0
44	Roles of hyperpolarization-activated current <i>I_f</i> in sinoatrial node pacemaking: insights from bifurcation analysis of mathematical models. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1748-H1760.	3.2	20
45	Regional Difference in Dynamical Property of Sinoatrial Node Pacemaking: Role of Na ⁺ Channel Current. <i>Biophysical Journal</i> , 2008, 95, 951-977.	0.5	47
46	Effects of pacemaker currents on creation and modulation of human ventricular pacemaker: theoretical study with application to biological pacemaker engineering. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H701-H718.	3.2	23
47	Dynamical Mechanisms of Pacemaker Generation in IK1-Downregulated Human Ventricular Myocytes: Insights from Bifurcation Analyses of a Mathematical Model. <i>Biophysical Journal</i> , 2005, 89, 2865-2887.	0.5	63
48	Roles of L-type Ca ²⁺ and delayed-rectifier K ⁺ currents in sinoatrial node pacemaking: insights from stability and bifurcation analyses of a mathematical model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2804-H2819.	3.2	45
49	Dynamical description of sinoatrial node pacemaking: improved mathematical model for primary pacemaker cell. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H2074-H2101.	3.2	166