

Katsushige Ono

List of Publications by Year in descending order

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52
papers

700
citations

567281
15
h-index

580821
25
g-index

55
all docs

55
docs citations

55
times ranked

1060
citing authors

1	Point mutations in domain II of the voltage-gated sodium channel gene in deltamethrin-resistant <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Applied Entomology and Zoology</i> , 2010, 45, 275-282.	1.2	72
2	Transcription factors Csx/Nkx2.5 and GATA4 distinctly regulate expression of Ca ²⁺ channels in neonatal rat heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 1045-1053.	1.9	48
3	Atrial Fibrillation-Mediated Upregulation of miR-30d Regulates Myocardial Electrical Remodeling of the G-Protein-Gated K ⁺ Channel, <i>Circulation Journal</i> , 2016, 80, 1346-1355.	1.6	42
4	Actions of Mibefradil, Efonidipine and Nifedipine Block of Recombinant T- and L-Type Ca ²⁺ Channels with Distinct Inhibitory Mechanisms. <i>Pharmacology</i> , 2006, 78, 11-20.	2.2	41
5	Remodeling excitation-contraction coupling of hypertrophied ventricular myocytes is dependent on T-type calcium channels expression. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 766-773.	2.1	40
6	Voltage-Dependent and Frequency-Independent Inhibition of Recombinant Ca _v 3.2 T-Type Ca ²⁺ Channel by Bepridil. <i>Pharmacology</i> , 2005, 74, 174-181.	2.2	37
7	17 β -Estradiol Modulates Expression of Low-Voltage-Activated CaV3.2 T-Type Calcium Channel via Extracellularly Regulated Kinase Pathway in Cardiomyocytes. <i>Endocrinology</i> , 2009, 150, 879-888.	2.8	34
8	The Gating and Conductance Properties of CaV3.2 Low-Voltage-Activated T-Type Calcium Channels.. <i>The Japanese Journal of Physiology</i> , 2003, 53, 165-172.	0.9	28
9	Telmisartan, an angiotensin II type 1 receptor antagonist, attenuates T-type Ca ²⁺ channel expression in neonatal rat cardiomyocytes. <i>European Journal of Pharmacology</i> , 2009, 609, 105-112.	3.5	27
10	Testosterone-mediated upregulation of delayed rectifier potassium channel in cardiomyocytes causes abbreviation of QT intervals in rats. <i>Journal of Physiological Sciences</i> , 2018, 68, 759-767.	2.1	24
11	Inhomogeneous Derangement of Cardiac Autonomic Nerve Control in Diabetic Rats.. <i>Circulation Journal</i> , 2002, 66, 283-288.	1.6	23
12	Intracellular Ca ²⁺ - and PKC-dependent upregulation of T-type Ca ²⁺ channels in LPC-stimulated cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 131-139.	1.9	20
13	β -Adrenergic cAMP Pathway Phosphorylates Acetyl-CoA Carboxylase in a High-Epinephrine Rat Model, <i>SPORTS. Obesity</i> , 2010, 18, 48-54.	3.0	19
14	A direct effect of forskolin on sodium channel bursting. <i>Pflugers Archiv European Journal of Physiology</i> , 1995, 429, 561-569.	2.8	18
15	Three Different Bradycardic Agents, Zatebradine, Diltiazem and Propranolol, Distinctly Modify Heart Rate Variability and QT-Interval Variability. <i>Pharmacology</i> , 2007, 80, 293-303.	2.2	16
16	Short- and Long-Term Amiodarone Treatments Regulate Cav3.2 Low-Voltage-Activated T-type Ca ²⁺ Channel through Distinct Mechanisms. <i>Molecular Pharmacology</i> , 2006, 69, 1684-1691.	2.3	15
17	Effects of Antiarrhythmic Drugs on Apoptotic Pathways in H9c2 Cardiac Cells. <i>Journal of Pharmacological Sciences</i> , 2006, 101, 318-324.	2.5	14
18	Magnesium Deficiency Causes Transcriptional Downregulation of Kir2.1 and Kv4.2 Channels in Cardiomyocytes Resulting in QT Interval Prolongation. <i>Circulation Journal</i> , 2020, 84, 1244-1253.	1.6	13

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19	Detection of acute cardiac rejection by analysis of heart rate variability in heterotopically transplanted rats. <i>Journal of Heart and Lung Transplantation</i> , 1999, 18, 499-509.	0.6	12
20	Commensal Microbiota Contributes to Chronic Endocarditis in TAX1BP1 Deficient Mice. <i>PLoS ONE</i> , 2013, 8, e73205.	2.5	12
21	Binge Alcohol Exposure Triggers Atrial Fibrillation Through T-Type Ca^{2+} Channel Upregulation via Protein Kinase C (PKC) / Glycogen Synthesis Kinase β^2 (GSK β^2) / Nuclear Factor of Activated T-Cells (NFAT) Signaling—An Experimental Account of Holiday Heart Syndrome. <i>Circulation Journal</i> , 2020, 84, 1931-1940.	1.6	11
22	Synaptic degradation of cardiac autonomic nerves in streptozotocin-induced diabetic rats. <i>Pathophysiology</i> , 2012, 19, 299-307.	2.2	10
23	Lysophosphatidylcholine Augments Ca^{2+} but Not Ca^{2+} T-Type Ca^{2+} Channel Current Expressed in HEK-293 Cells. <i>Pharmacology</i> , 2006, 76, 192-200.	2.2	9
24	Beneficial Effects of the Dual L- and T-Type Ca^{2+} Channel Blocker Efonidipine on Cardiomyopathic Hamsters. <i>Circulation Journal</i> , 2007, 71, 1970-1976.	1.6	9
25	Asparagine-linked glycosylation modifies voltage-dependent gating properties of $\text{CaV}3.1$ -T-type Ca^{2+} channel. <i>Journal of Physiological Sciences</i> , 2019, 69, 335-343.	2.1	9
26	JCS/JHRS 2020 Guideline on Pharmacotherapy of Cardiac Arrhythmias. <i>Journal of Arrhythmia</i> , 2022, 38, 833-973.	1.2	8
27	Rescue of Pulmonary Hypertension with an Oral Sulfonamide Antibiotic Sulfisoxazole by Endothelin Receptor Antagonistic Actions. <i>Hypertension Research</i> , 2008, 31, 1781-1790.	2.7	7
28	Cardiac autonomic nerve abnormalities in chronic heart failure are associated with presynaptic vagal nerve degeneration. <i>Pathophysiology</i> , 2012, 19, 253-260.	2.2	7
29	Association between obstructive sleep apnea and premature supraventricular contractions. <i>Journal of Cardiology</i> , 2014, 63, 69-72.	1.9	7
30	Short- and long-term inhibition of cardiac inward-rectifier potassium channel current by an antiarrhythmic drug bepridil. <i>Heart and Vessels</i> , 2016, 31, 1176-1184.	1.2	7
31	University of Wisconsin Solution Preserves Myocardial Calcium Current Response to Isoproterenol in Isolated Canine Ventricular Myocytes. <i>Circulation</i> , 1995, 92, 452-457.	1.6	6
32	Oxytocin Downregulates the $\text{CaV}1.2$ L-Type Ca^{2+} Channel via Gi/cAMP/PKA/CREB Signaling Pathway in Cardiomyocytes. <i>Membranes</i> , 2021, 11, 234.	3.0	5
33	Nitric oxide down-regulates voltage-gated Na^{+} channel in cardiomyocytes possibly through S-nitrosylation-mediated signaling. <i>Scientific Reports</i> , 2021, 11, 11273.	3.3	5
34	Oita International Electrocardiology Symposium 2000—Electrophysiology and Management of Lethal Arrhythmias in the New Millennium: From Genes to Bedside—Japanese Journal of Electrocardiology, 2000, 20, 109-112.	0.0	5
35	Distinction between Steady-State Inactivation and Voltage-Dependent Facilitation in L-Type Ca^{2+} Channel $\alpha_1\text{C}$ and $\alpha_1\text{S}$ Subunits. <i>Journal of UOEH</i> , 2006, 28, 277-286.	0.6	4
36	Window current through the T-type Ca^{2+} channel triggers the mechanism for cellular apoptosis via mitochondrial pathways. <i>Heart and Vessels</i> , 2013, 28, 658-666.	1.2	4

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37	Roles of α_1 and $\alpha_1\beta$ Subunits Derived from Cardiac L-Type Ca^{2+} channels on Voltage-Dependent Facilitation Mechanisms.. The Japanese Journal of Physiology, 2001, 51, 337-344.	0.9	4
38	Denervation and Reinnervation of the Heart After Aortic Surgery, Estimated by ^{123}I -Metaiodobenzylguanidine Scintigraphy. Surgery Today, 2004, 34, 226-230.	1.5	3
39	Hypomagnesemic down-regulation of L-type Ca^{2+} channel in cardiomyocyte as an arrhythmogenic substrate in rats. Pathophysiology, 2015, 22, 87-93.	2.2	3
40	Familial sick sinus syndrome possibly associated with novel SCN5A mutation diagnosed in pregnancy. HeartRhythm Case Reports, 2021, 7, 117-122.	0.4	3
41	Ultrastructure and Cytoarchitecture of Bachmann's Bundle in the Mammalian Heart. Journal of Arrhythmia, 2009, 25, 24-31.	1.2	3
42	Mechanism of preservation of myocardial calcium channel function by pyruvate cardioplegic solution. Translational Research, 1998, 131, 136-145.	2.3	2
43	Nonapeptide Hormones Oxytocin and Vasopressin Distinctly Regulate $\text{Ca}_v1.2$ L-type Calcium Channel Expression in Cardiomyocytes. Journal of Arrhythmia, 2010, 26, 111-118.	1.2	2
44	Manifestations of gene expression profiles in human right atrial myocardium caused by mechanical stretch. Heart and Vessels, 2021, 36, 577-588.	1.2	2
45	Enhanced BDNF Actions Following Acute Hypoxia Facilitate HIF-1 α -Dependent Upregulation of Ca_v3 -T-Type Ca^{2+} Channels in Rat Cardiomyocytes. Membranes, 2021, 11, 470.	3.0	2
46	Protein Kinase C Regulates Expression and Function of the $\text{Ca}_v3.2$ T-Type Ca^{2+} Channel during Maturation of Neonatal Rat Cardiomyocyte. Membranes, 2022, 12, 686.	3.0	2
47	Short- and long-term roles of phosphatidylinositol 4,5-bisphosphate PIP $_2$ on $\text{Ca}_v3.1$ - and $\text{Ca}_v3.2$ -T-type calcium channel current. Pathophysiology, 2019, 26, 31-38.	2.2	1
48	Mitogen-activated protein kinase p38 modulates pacemaker ion channels differentiation in P19-derived pluripotent cells. Journal of Physiological Sciences, 2020, 70, 39.	2.1	1
49	Cardiac specific transcription factor Csx/Nkx2.5 regulates transient-outward K^+ channel expression in pluripotent P19 cell-derived cardiomyocytes. Journal of Physiological Sciences, 2020, 70, 20.	2.1	1
50	Serum microRNA-30d is a sensitive biomarker for angiotensin II-induced cardiovascular complications in rats. Heart and Vessels, 2021, 36, 1597-1606.	1.2	1
51	Disruption of asparagine-linked glycosylation to rescue and alter gating of the $\text{Na}_v1.5$ - Na^+ channel. Heart and Vessels, 2021, 36, 589-596.	1.2	1
52	Reflections on Antiarrhythmic Agent Bepridil. Japanese Journal of Electrocardiology, 2012, 32, 51-55.	0.0	0