

Junichiro Miake

List of Publications by Year in descending order

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91
papers

2,042
citations

361045

20
h-index

243296

44
g-index

91
all docs

91
docs citations

91
times ranked

2249
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological pacemaker created by gene transfer. <i>Nature</i> , 2002, 419, 132-133.	13.7	421
2	Functional role of inward rectifier current in heart probed by Kir2.1 overexpression and dominant-negative suppression. <i>Journal of Clinical Investigation</i> , 2003, 111, 1529-1536.	3.9	184
3	Ectopic Expression of the Sodium-Iodide Symporter Enables Imaging of Transplanted Cardiac Stem Cells In Vivo by Single-Photon Emission Computed Tomography or Positron Emission Tomography. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1652-1660.	1.2	166
4	Isolation and expansion of functionally-competent cardiac progenitor cells directly from heart biopsies. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 312-321.	0.9	129
5	Functional role of inward rectifier current in heart probed by Kir2.1 overexpression and dominant-negative suppression. <i>Journal of Clinical Investigation</i> , 2003, 111, 1529-1536.	3.9	110
6	Ubiquitin-Proteasome System Impairment Caused by a Missense Cardiac Myosin-binding Protein C Mutation and Associated with Cardiac Dysfunction in Hypertrophic Cardiomyopathy. <i>Journal of Molecular Biology</i> , 2008, 384, 896-907.	2.0	80
7	Mechanism of Iodide/Chloride Exchange by Pendrin. <i>Endocrinology</i> , 2004, 145, 4301-4308.	1.4	73
8	Uric Acid as a Risk Factor for Chronic Kidney Disease and Cardiovascular Disease—Japanese Guideline on the Management of Asymptomatic Hyperuricemia. <i>Circulation Journal</i> , 2021, 85, 130-138.	0.7	56
9	Reciprocal Control of hERG Stability by Hsp70 and Hsc70 With Implication for Restoration of LQT2 Mutant Stability. <i>Circulation Research</i> , 2011, 108, 458-468.	2.0	46
10	Age-related BM-MNC dysfunction hampers neovascularization. <i>Mechanisms of Ageing and Development</i> , 2007, 128, 511-516.	2.2	41
11	Lentiviral Vectors Bearing the Cardiac Promoter of the Na ⁺ -Ca ²⁺ Exchanger Report Cardiogenic Differentiation in Stem Cells. <i>Molecular Therapy</i> , 2008, 16, 957-964.	3.7	40
12	Pendrin Is a Novel Autoantigen Recognized by Patients with Autoimmune Thyroid Diseases. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 442-448.	1.8	38
13	Evidence for proteasomal degradation of Kv1.5 channel protein. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 343-348.	1.0	35
14	Protective effect of edaravone against hypoxia-reoxygenation injury in rabbit cardiomyocytes. <i>British Journal of Pharmacology</i> , 2004, 142, 618-626.	2.7	34
15	Subtype Switching of T-Type Ca ²⁺ Channels From Cav3.2 to Cav3.1 During Differentiation of Embryonic Stem Cells to Cardiac Cell Lineage. <i>Circulation Journal</i> , 2005, 69, 1284-1289.	0.7	34
16	Allopurinol Reduces Neointimal Hyperplasia in the Carotid Artery Ligation Model in Spontaneously Hypertensive Rats. <i>Hypertension Research</i> , 2006, 29, 915-921.	1.5	31
17	Impairment of Ubiquitin-Proteasome System by E334K cMyBPC Modifies Channel Proteins, Leading to Electrophysiological Dysfunction. <i>Journal of Molecular Biology</i> , 2011, 413, 857-878.	2.0	30
18	Hsp90 prevents interaction between CHIP and HERG proteins to facilitate maturation of wild-type and mutant HERG proteins. <i>Cardiovascular Research</i> , 2013, 100, 520-528.	1.8	22

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19	Ventricular Tachycardias and Dilated Cardiomyopathy Caused by Fabry Disease. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2005, 28, 1142-1143.	0.5	21
20	Proteasomal degradation of Kir6.2 channel protein and its inhibition by a Na ⁺ channel blocker aprindine. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 1001-1006.	1.0	21
21	Identification, Isolation and Characterization of HCN4-Positive Pacemaking Cells Derived from Murine Embryonic Stem Cells during Cardiac Differentiation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010, 33, 290-303.	0.5	21
22	Uric Acid-Induced Enhancements of Kv1.5 Protein Expression and Channel Activity via the Akt-HSF1-Hsp70 Pathway in HL-1 Atrial Myocytes. <i>Circulation Journal</i> , 2019, 83, 718-726.	0.7	20
23	Block of Sodium Channels by Divalent Mercury: Role of Specific Cysteiny Residues in the P-Loop Region. <i>Biophysical Journal</i> , 2000, 79, 1336-1345.	0.2	19
24	Acute Myocardial Infarction in a Patient With Essential Thrombocythemia Successful Treatment With Percutaneous Transluminal Coronary Recanalization. <i>Circulation Journal</i> , 2005, 69, 1000-1002.	0.7	18
25	Functional consequences of the arrhythmogenic G306R KvLQT1 K ⁺ channel mutant probed by viral gene transfer in cardiomyocytes. <i>Journal of Physiology</i> , 2001, 533, 127-133.	1.3	17
26	Functional stabilization of Kv1.5 protein by Hsp70 in mammalian cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 469-474.	1.0	17
27	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.	1.4	17
28	Different distribution of Cav3.2 and Cav3.1 transcripts encoding T-type Ca ²⁺ channels in the embryonic heart of mice. <i>Biomedical Research</i> , 2010, 31, 301-305.	0.3	16
29	Autoperipheral blood mononuclear cell transplantation improved giant ulcers due to chronic arteriosclerosis obliterans. <i>Heart and Vessels</i> , 2006, 21, 258-262.	0.5	13
30	Changes of HCN gene expression and If currents in Nkx2.5-positive cardiomyocytes derived from murine embryonic stem cells during differentiation. <i>Biomedical Research</i> , 2008, 29, 195-203.	0.3	13
31	Stabilizing effects of eicosapentaenoic acid on Kv1.5 channel protein expressed in mammalian cells. <i>European Journal of Pharmacology</i> , 2009, 604, 93-102.	1.7	13
32	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.	1.4	13
33	Protective Effects of Topiroxostat on an Ischemia-Reperfusion Model of Rat Hearts. <i>Circulation Journal</i> , 2018, 82, 1101-1111.	0.7	13
34	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.	0.7	13
35	The small diverticulum in the right anterior wall of the left atrium. <i>Europace</i> , 2007, 10, 120-120.	0.7	12
36	Impact of postprocedural antiarrhythmic drug therapy with bepridil on maintaining sinus rhythm after catheter ablation for persistent atrial fibrillation. <i>Journal of Cardiology</i> , 2016, 68, 229-235.	0.8	12

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37	Analysis of moricizine block of sodium current in isolated guinea-pig atrial myocytes. <i>Vascular Pharmacology</i> , 2002, 38, 131-141.	1.0	11
38	Pre-ablation levels of brain natriuretic peptide are independently associated with the recurrence of atrial fibrillation after radiofrequency catheter ablation in patients with nonvalvular atrial fibrillation. <i>Heart and Vessels</i> , 2019, 34, 517-526.	0.5	11
39	Long-term reliability of AAI mode pacing in patients with sinus node dysfunction and low Wenckebach block rate. <i>Europace</i> , 2008, 10, 134-137.	0.7	10
40	Pretreatment with an angiotensin II receptor blocker abolished ameliorating actions of adipose-derived stem cell sheets on cardiac dysfunction and remodeling after myocardial infarction. <i>Regenerative Therapy</i> , 2018, 9, 79-88.	1.4	10
41	Hyperuricemia as a Risk Factor for Atrial Fibrillation Due to Soluble and Crystallized Uric Acid. <i>Circulation Reports</i> , 2019, 1, 469-473.	0.4	9
42	Developmental Changes of Ni ²⁺ Sensitivity and Automaticity in Nkx2.5-Positive Cardiac Precursor Cells From Murine Embryonic Stem Cell. <i>Circulation Journal</i> , 2004, 68, 724-726.	0.7	8
43	Stabilization of Kv1.5 channel protein by bepridil through its action as a chemical chaperone. <i>European Journal of Pharmacology</i> , 2012, 696, 28-34.	1.7	8
44	<scp>JCS</scp>/<scp>JHRS</scp> 2020 Guideline on Pharmacotherapy of Cardiac Arrhythmias. <i>Journal of Arrhythmia</i> , 2022, 38, 833-973.	0.5	8
45	Î²-Adrenergic Blocker, Carvedilol, Abolishes Ameliorating Actions of Adipose-Derived Stem Cell Sheets on Cardiac Dysfunction and Remodeling After Myocardial Infarction. <i>Circulation Journal</i> , 2019, 83, 2282-2291.	0.7	7
46	Extension of the inferior vena cava into the posteroinferior right atrium. <i>Heart Rhythm</i> , 2006, 3, 1481-1485.	0.3	6
47	Delayed onset of beating and decreased expression of T-type Ca ²⁺ channel in mouse ES cell-derived cardiocytes carrying human chromosome 21. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 126-132.	1.0	6
48	Small Extra-Adrenal Pheochromocytoma Causing Severe Hypertension in an Elderly Patient. <i>Hypertension Research</i> , 2006, 29, 635-638.	1.5	6
49	Left atrial branches of coronary arteries; clinical implications related to linear catheter ablation for atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2009, 25, 141-144.	0.6	6
50	M3 Muscarinic Receptor Signaling Stabilizes a Novel Mutant Human Ether-a-Go-Go-Related Gene Channel Protein via Phosphorylation of Heat Shock Factor 1 in Transfected Cells. <i>Circulation Journal</i> , 2016, 80, 2443-2452.	0.7	6
51	Cited4 is related to cardiogenic induction and maintenance of proliferation capacity of embryonic stem cell-derived cardiomyocytes during in vitro cardiogenesis. <i>PLoS ONE</i> , 2017, 12, e0183225.	1.1	6
52	Inhibition of Inward Rectifier K ⁺ Currents by Angiotensin II in Rat Atrial Myocytes: Lack of Effects in Cells from Spontaneously Hypertensive Rats. <i>Hypertension Research</i> , 2006, 29, 923-934.	1.5	5
53	Brachiocephalic vein perforation on three-dimensional computed tomography. <i>Europace</i> , 2007, 9, 74-75.	0.7	5
54	Different Effects of Pulmonary Vein Isolation on Quality of Life Between Patients with Persistent and Paroxysmal Atrial Fibrillation. <i>International Heart Journal</i> , 2019, 60, 1328-1333.	0.5	5

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55	QRS complex widening due to loss of left bundle branch capture: pitfall of para-Hisian pacing. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2009, 25, 213-216.	0.6	4
56	Electrophysiological Properties of Prion-Positive Cardiac Progenitors Derived From Murine Embryonic Stem Cells. <i>Circulation Journal</i> , 2012, 76, 2875-2883.	0.7	4
57	Instability of KCNE1 Δ 85N that Causes Long QT Syndrome: Stabilization by Verapamil. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014, 37, 853-863.	0.5	4
58	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.	1.5	4
59	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
60	Idiopathic Left Ventricular Tachycardia with Block Between Purkinje Potential and Ventricular Myocardium. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1998, 21, 1824-1827.	0.5	3
61	Stabilization of Kv1.5 channel protein by the inotropic agent olprinone. <i>European Journal of Pharmacology</i> , 2015, 765, 488-494.	1.7	3
62	Characterization of the novel mutant A78T Δ 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.	0.5	3
63	State-Dependent Blocking Actions of Azimilide Dihydrochloride (NE-10064) on Human Cardiac Na ⁺ Channels. <i>Circulation Journal</i> , 2004, 68, 703-711.	0.7	2
64	Inhibition of β -adrenergic signaling by intracellular AMP is independent of cell-surface adenosine receptors in rat cardiac cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 648-652.	0.9	2
65	Exact Location of the Branching Bundle in the Living Heart. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, S182-S185.	0.5	2
66	MicroRNA-494-3p inhibits formation of fast oxidative muscle fibres by targeting E1A-binding protein p300 in human-induced pluripotent stem cells. <i>Scientific Reports</i> , 2021, 11, 1161.	1.6	2
67	Evidence for Urate Uptake Through Monocarboxylate Transporter 9 Expressed in Mammalian Cells and Its Enhancement by Heat Shock. <i>Circulation Reports</i> , 2020, 2, 425-432.	0.4	2
68	β -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.	1.5	2
69	Effects of Amlodipine on Native Cardiac Na ⁺ Channels and Cloned β -Subunits of Cardiac Na ⁺ Channels. <i>Arzneimittelforschung</i> , 1999, 49, 394-397.	0.5	1
70	Macroreentrant atrial tachycardia with an isolated pathway mimicking focal activation on three-dimensional electroanatomical mapping. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2007, 20, 49-55.	0.6	1
71	Novel Effects of Extracts from Poisonous Mushrooms on Expression and Function of the Human ether-a-go-go-Related Gene Channel. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1474-1480.	0.6	1
72	Ultra-Rapid and Massive Thrombus Formation in Cardiac Chambers. <i>Internal Medicine</i> , 2015, 54, 1947-1947.	0.3	1

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73	Molecular mechanisms underlying the pilsicainide-induced stabilization of hERG proteins in transfected mammalian cells. <i>Journal of Arrhythmia</i> , 2017, 33, 226-233.	0.5	1
74	Establishment of a Novel In Situ Rat Model for Direct Measuring of Intestinal Drug Absorption: Confirmation of Inhibitory Effects of Dajjokito on the Absorption of Ranitidine. <i>Yonago Acta Medica</i> , 2018, 61, 192-196.	0.3	1
75	A Novel Treatment for Arrhythmias via the Control of the Degradation of Ion Channel Proteins. <i>Yonago Acta Medica</i> , 2020, 63, 146-153.	0.3	1
76	Thrombin induces a temporal biphasic vascular response through the differential phosphorylation of endothelial nitric oxide synthase via protease-activated receptor-1 and protein kinase C. <i>Journal of Pharmacological Sciences</i> , 2022, 148, 351-357.	1.1	1
77	Impact of BMI and Type of Ablation Procedure on Atrial Fibrillation Recurrence in Japanese Patients. , 0, 1, .		1
78	Pretreatment with topiroxostat and irbesartan improves cardiac function after myocardial infarction in rats. <i>Vascular Failure</i> , 2018, 2, 74-79.	0.2	0
79	CAMKII inhibitor as novel cardioprotective agent on doxorubicin cardiotoxicity. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 3-Y-G2-3.	0.0	0
80	Involvement of microRNA-133a-3p with the conversion of muscle fiber type in human skeletal myogenesis.. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 2-Y-G2-3.	0.0	0
81	Enhancing effects of salicylate on quinidine-induced block of human wild type and LQT3 related mutant cardiac Na ⁺ channels. <i>Biomedical Research</i> , 2011, 32, 303-312.	0.3	0
82	The Partial Reverse Remodeling at the Left Superior Antrum by Pulmonary Vein Isolation. <i>Journal of Arrhythmia</i> , 2011, 27, PJ1_038.	0.5	0
83	Long-Term Follow-Up of Single-Lead VDD Pacing System. <i>Journal of Arrhythmia</i> , 2011, 27, OP61_5.	0.5	0
84	Catheter Ablation on Papillary Muscle in the Patient with Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Journal of Arrhythmia</i> , 2011, 27, PE4_124.	0.5	0
85	How Atrial Premature Beats Could Have Contributed to Inappropriate ICD Therapy?. <i>Journal of Arrhythmia</i> , 2011, 27, PE4_080.	0.5	0
86	New Insight of Electrophysiologic Characteristics and Ablation of Focal Atrial Tachycardia Originating from Left Atrial Appendage. <i>Journal of Arrhythmia</i> , 2011, 27, PE4_035.	0.5	0
87	Successful Treatment with Tokishakuyakusan for de Quervain Disease and Carpal Tunnel Syndrome after Delivery. <i>Kampo Medicine</i> , 2019, 70, 236-239.	0.1	0
88	Exploring the applicability of regenerative medicine technology using human embryonic or induced pluripotent stem cells to the diagnosis and treatment of arrhythmia. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019, 92, 1-S06-1.	0.0	0
89	A Case of Stomachache Successfully Treated with Yokukansankachinpihange. <i>Kampo Medicine</i> , 2019, 70, 361-365.	0.1	0
90	The effect of copper chelating compound, cuprizone, on adipocyte differentiation in vitro. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 2-O-026.	0.0	0

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91	TRAb-IgM induced by Epstein-Barr virus reactivation does not have thyroid stimulating effect, but injures the thyroid follicular epithelial cells and releases thyroid antigens. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 1-O-016.	0.0	0