

Shinichi Okuda

List of Publications by Year in descending order

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83
papers

2,075
citations

279798

23
h-index

233421

45
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88
all docs

88
docs citations

88
times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence and characteristics of transesophageal echocardiography-related esophageal mucosal injury in patients with atrial fibrillation who underwent pulmonary vein isolation. <i>International Journal of Cardiology</i> , 2022, 350, 118-124.	1.7	1
2	Stabilization of RyR2 maintains right ventricular function, reduces the development of ventricular arrhythmias, and improves prognosis in pulmonary hypertension. <i>Heart Rhythm</i> , 2022, 19, 986-997.	0.7	7
3	Images in Vascular Medicine: Usefulness of carotid ultrasonography for diagnosis and management of polymyalgia rheumatica-associated large-vessel vasculitis. <i>Vascular Medicine</i> , 2021, 26, 459-461.	1.5	0
4	The usefulness of subcostal view for the detection of severe stenosis in the middle segment of right coronary artery using coronary artery Doppler echocardiography. <i>Journal of Echocardiography</i> , 2021, , 1.	0.8	0
5	Malnutrition and Frailty Are Critical Determinants of 6-Month Outcome in Hospitalized Elderly Patients With Heart Failure Harboring Surgically Untreated Functional Mitral Regurgitation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 764528.	2.4	4
6	Echocardiographic features of acute-phase microscopic polyangiitis in Japanese patients: A single-centre retrospective study. <i>Modern Rheumatology</i> , 2021, , .	1.8	1
7	Dantrolene prevents ventricular tachycardia by stabilizing the ryanodine receptor in pressure-overload induced failing hearts. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 57-63.	2.1	18
8	G790del mutation in DSC2 alone is insufficient to develop the pathogenesis of ARVC in a mouse model. <i>Biochemistry and Biophysics Reports</i> , 2020, 21, 100711.	1.3	8
9	Enhancing calmodulin binding to cardiac ryanodine receptor completely inhibits pressure-overload induced hypertrophic signaling. <i>Communications Biology</i> , 2020, 3, 714.	4.4	17
10	Dantrolene prevents hepatic steatosis by reducing cytoplasmic Ca ²⁺ level and ER stress. <i>Biochemistry and Biophysics Reports</i> , 2020, 23, 100787.	1.3	4
11	Stabilizing cardiac ryanodine receptor prevents the development of cardiac dysfunction and lethal arrhythmia in Ca ²⁺ /calmodulin-dependent protein kinase III ^c transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 431-438.	2.1	14
12	Detection of Active Inflammation Status Around Ventricular Aneurysms in Patients With Cardiac Sarcoidosis. <i>Circulation Journal</i> , 2019, 83, 2494-2504.	1.6	2
13	Addition of a Î²1-Blocker to Milrinone Treatment Improves Cardiac Function in Patients with Acute Heart Failure and Rapid Atrial Fibrillation. <i>Cardiology</i> , 2019, 142, 195-202.	1.4	9
14	Ryanodine receptor-bound calmodulin is essential to protect against catecholaminergic polymorphic ventricular tachycardia. <i>JCI Insight</i> , 2019, 4, .	5.0	24
15	Abstract 238: Critical Role of Ryanodine Receptor Bound Calmodulin to Prevent Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation Research</i> , 2019, 125, .	4.5	0
16	CaMKII-mediated phosphorylation of RyR2 plays a crucial role in aberrant Ca ²⁺ release as an arrhythmogenic substrate in cardiac troponin T-related familial hypertrophic cardiomyopathy. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 1250-1256.	2.1	24
17	Mutation-linked, excessively tight interaction between the calmodulin binding domain and the C-terminal domain of the cardiac ryanodine receptor as a novel cause of catecholaminergic polymorphic ventricular tachycardia. <i>Heart Rhythm</i> , 2018, 15, 905-914.	0.7	6
18	Nuclear translocation of calmodulin in pathological cardiac hypertrophy originates from ryanodine receptor bound calmodulin. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 125, 87-97.	1.9	15

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19	Localized Doxorubicin-Induced Cardiomyopathy Complicated With Shower Emboli Originating From Apical Intramural Thrombi. <i>Circulation Journal</i> , 2018, 82, 2375-2376.	1.6	1
20	Inter-Technique Consistency and Prognostic Value of Intra-Procedural Angiographic and Echocardiographic Assessment of Aortic Regurgitation After Transcatheter Aortic Valve Implantation. <i>Circulation Journal</i> , 2018, 82, 2317-2325.	1.6	11
21	Successful treatment with intravenous cyclophosphamide for anti-melanoma differentiation-associated gene 5 antibody-positive dermatomyositis associated with myelodysplastic syndrome. <i>Scandinavian Journal of Rheumatology</i> , 2017, 46, 496-498.	1.1	4
22	Fixing Ca ²⁺ Leak through the Ryanodine Receptor Inhibits Cardiomyocyte Hypertrophy and Relaxation Impairment in the Compensated Pressure-overloaded Heart. <i>Journal of Cardiac Failure</i> , 2017, 23, S41.	1.7	0
23	Calmodulin, Which Dissociated from Cardiac Ryanodine Receptor, Plays a Pivotal Role in Driving Pathological Cardiac Hypertrophy. <i>Journal of Cardiac Failure</i> , 2017, 23, S41.	1.7	0
24	Urinary 8-Hydroxy-2-Deoxyguanosine as a Myocardial Oxidative Stress Marker Is Associated With Ventricular Tachycardia in Patients With Active Cardiac Sarcoidosis. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	12
25	Ischemic or Nonischemic Functional Mitral Regurgitation and Outcomes in Patients With Acute Decompensated Heart Failure With Preserved or Reduced Ejection Fraction. <i>American Journal of Cardiology</i> , 2017, 120, 809-816.	1.6	20
26	Correction of impaired calmodulin binding to RyR2 as a novel therapy for lethal arrhythmia in the pressure-overloaded heart failure. <i>Heart Rhythm</i> , 2017, 14, 120-127.	0.7	23
27	Recombinant Atrial Natriuretic Peptide Prevents Aberrant Ca ²⁺ Leakage through the Ryanodine Receptor by Suppressing Mitochondrial Reactive Oxygen Species Production Induced by Isoproterenol in Failing Cardiomyocytes. <i>PLoS ONE</i> , 2016, 11, e0163250.	2.5	8
28	An oxidative stress biomarker, urinary 8-hydroxy-2-deoxyguanosine, predicts cardiovascular-related death after steroid therapy for patients with active cardiac sarcoidosis. <i>International Journal of Cardiology</i> , 2016, 212, 206-213.	1.7	17
29	Urinary 8-Hydroxy-2-Deoxyguanosine as an Oxidative Stress Biomarker, Predicts Cardiovascular Death after Steroid Therapy for Patients with Active Cardiac Sarcoidosis. <i>Journal of Cardiac Failure</i> , 2016, 22, S178.	1.7	0
30	Nuclear Translocation of Both Calmodulin, Which Bind to RyR2, and G Protein-Coupled Receptor Kinase 5 Promote the Pathological Cardiac Hypertrophy. <i>Journal of Cardiac Failure</i> , 2016, 22, S207.	1.7	0
31	Improvement of Defective Channel Function at RyR2 Mediated by CaMKII Activation and Ca ²⁺ Buffering Suppresses Arrhythmogenesis in TnT-Related Hypertrophic Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2016, 22, S207.	1.7	0
32	Fixation of the Disturbing Ryanodine Receptor by Dantrolene Restores Cardiac Dysfunction and Suppresses Ventricular Arrhythmia in Mice Myocardial Infarction Model. <i>Journal of Cardiac Failure</i> , 2016, 22, S212-S213.	1.7	0
33	Bow hunter's syndrome. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 948-948.	1.2	2
34	Dantrolene Suppresses Arrhythmogenesis by Inhibition of Aberrant Ca ²⁺ Release Mediated by CaMKII and Ca ²⁺ Buffering in Troponin T-related Hypertrophic Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2015, 21, S188.	1.7	0
35	Relationship between Cardiac Sympathetic Hyperactivity and Myocardial Oxidative Stress in Patients with Takotsubo Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2015, 21, S146.	1.7	2
36	Transcatheter and percutaneous procedures for huge pelvic arteriovenous malformations causing high-output heart failure. <i>Journal of Cardiology Cases</i> , 2015, 12, 162-165.	0.5	4

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37	Urinary 8-hydroxy-2- β -deoxyguanosine as a novel biomarker of inflammatory activity in patients with cardiac sarcoidosis. <i>International Journal of Cardiology</i> , 2015, 190, 319-328.	1.7	22
38	A Low-Dose β -Blocker in Combination with Milrinone Improves Intracellular Ca^{2+} Handling in Failing Cardiomyocytes by Inhibition of Milrinone-Induced Diastolic Ca^{2+} Leakage from the Sarcoplasmic Reticulum. <i>PLoS ONE</i> , 2015, 10, e0114314.	2.5	17
39	A Low-Dose β -Blocker Effectively and Safely Slows the Heart Rate in Patients with Acute Decompensated Heart Failure and Rapid Atrial Fibrillation. <i>Cardiology</i> , 2014, 127, 105-113.	1.4	32
40	Assessment of the aortic valve annular geometry by real-time three-dimensional transthoracic echocardiography: comparison with two-dimensional transthoracic echocardiography and multidetector computed tomography. <i>Journal of Echocardiography</i> , 2014, 12, 24-30.	0.8	6
41	Does a Ripple of Ca^{2+} Leak Develop Into a Rogue Wave That Can Trigger Pathological Hypertrophy?. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1580-1582.	2.8	4
42	Urinary 8-hydroxy-2- β -Deoxyguanosine, a Biomarker of Oxidative Stress, Predicts Cardiac Events in Patients with Cardiac Sarcoidosis. <i>Journal of Cardiac Failure</i> , 2014, 20, S156.	1.7	0
43	RyR2 Stabilization by Inhibition of CaMKII-mediated Aberrant Ca^{2+} Release Suppress Arrhythmogenesis in Cardiac Troponin T-related Hypertrophic Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2014, 20, S189.	1.7	0
44	Dantrolene Inhibits Aberrant Ca^{2+} Release and Arrhythmogenesis in Pressure-overloaded Heart Failure. <i>Journal of Cardiac Failure</i> , 2014, 20, S173.	1.7	0
45	Kinetics of left ventricular rotation during exercise and its relation to exercise tolerance in atrial fibrillation: assessment by two-dimensional speckle tracking echocardiography. <i>Journal of Echocardiography</i> , 2014, 12, 89-97.	0.8	0
46	Binding Affinity of Calmodulin to Cardiac Ryanodine Receptor, as the Novel Therapeutic Target in the Pressure-overloaded Heart Failure. <i>Journal of Cardiac Failure</i> , 2014, 20, S173.	1.7	0
47	Defective Ca^{2+} Regulation Causes Lethal Arrhythmia in CPVT KI Mice Model with Mutation in CaM-like Domain of RyR2. <i>Journal of Cardiac Failure</i> , 2014, 20, S173.	1.7	0
48	Enhanced binding of calmodulin to RyR2 corrects arrhythmogenic channel disorder in CPVT-associated myocytes. <i>Biochemical and Biophysical Research Communications</i> , 2014, 448, 1-7.	2.1	28
49	Dissociation of Calmodulin from RyR2 Plays a Key Role in Diastolic Ca^{2+} Leak from Sarcoplasmic Reticulum in Pressure-overload Heart Failure. <i>Journal of Cardiac Failure</i> , 2013, 19, S165-S166.	1.7	0
50	Novel Selective EP4 Receptor Agonists Restore the Intracellular Ca^{2+} Handling and the Cardiomyocyte Function in Heart Failure. <i>Journal of Cardiac Failure</i> , 2013, 19, S147.	1.7	0
51	New Data on Catecholaminergic Polymorphic Ventricular Tachycardia in Japan. <i>Circulation Journal</i> , 2013, 77, 1684-1686.	1.6	3
52	Urinary 8-Hydroxy-2'-Deoxyguanosine as a Novel Biomarker for Predicting Cardiac Events and Evaluating the Effectiveness of Carvedilol Treatment in Patients With Chronic Systolic Heart Failure. <i>Circulation Journal</i> , 2012, 76, 117-126.	1.6	37
53	Simultaneous Doppler Tracing of Transmitral Inflow and Mitral Annular Velocity as an Estimate of Elevated Left Ventricular Filling Pressure in Patients With Atrial Fibrillation. <i>Circulation Journal</i> , 2012, 76, 675-681.	1.6	32
54	Low-Dose β -Blocker in Combination With Milrinone Safely Improves Cardiac Function and Eliminates Pulsus Alternans in Patients With Acute Decompensated Heart Failure. <i>Circulation Journal</i> , 2012, 76, 1646-1653.	1.6	45

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55	Enhanced binding of calmodulin to the ryanodine receptor corrects contractile dysfunction in failing hearts. <i>Cardiovascular Research</i> , 2012, 96, 433-443.	3.8	25
56	Urinary 8-hydroxy-2 ϵ -deoxyguanosine as a Novel Marker for Predicting the Inflammatory Activity in Patients with Cardiac Sarcoidosis. <i>Journal of Cardiac Failure</i> , 2012, 18, S150.	1.7	0
57	Low-dose of Landiolol Effectively Slows Heart Rate of Rapid Atrial Fibrillation in Patient with Acute Decompensated Heart Failure. <i>Journal of Cardiac Failure</i> , 2012, 18, S157-S158.	1.7	0
58	Correcting Inter-domain Interaction of Cardiac Ryanodine Receptor Inhibits Aberrant Ca ²⁺ Release in Cardiac Troponin T-related Familial Hypertrophic Cardiomyopathy Mouse Model. <i>Journal of Cardiac Failure</i> , 2012, 18, S169.	1.7	0
59	Correction of Defective Calmodulin Binding to the Cardiac Ryanodine Receptor Inhibits Aberrant Ca ²⁺ Release in CPVT-associated Channel Dysfunction. <i>Journal of Cardiac Failure</i> , 2012, 18, S188.	1.7	0
60	Myocardial Oxidative Stress Reflects Well Inflammatory Activity in Patients with Cardiac Sarcoidosis. <i>Journal of Cardiac Failure</i> , 2011, 17, S150.	1.7	0
61	Role of Ryanodine Receptor-Bound Calmodulin in Aberrant Ca ²⁺ Release in CPVT-Associated Channel Dysfunction. <i>Journal of Cardiac Failure</i> , 2011, 17, S169-S170.	1.7	0
62	Enhancement of Calmodulin Binding to Cardiac Ryanodine Receptor Corrects the Defective Channel Gating in Failing Hearts. <i>Journal of Cardiac Failure</i> , 2011, 17, S170.	1.7	0
63	A case of mitochondrial disease with severe left ventricular hypertrophy. <i>Journal of Medical Ultrasonics</i> (2001), 2011, 38, 157-159.	1.3	1
64	Heterogeneity of apex-to-base dispersion in diastolic lengthening is related to impaired global left ventricular relaxation in patients with hypertrophic cardiomyopathy. <i>Journal of Echocardiography</i> , 2011, 9, 9-16.	0.8	0
65	Urinary 8-hydroxy-2 ϵ -deoxyguanosine reflects symptomatic status and severity of systolic dysfunction in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2011, 13, 29-36.	7.1	52
66	Mutation-Linked Defective Interdomain Interactions Within Ryanodine Receptor Cause Aberrant Ca ²⁺ Release Leading to Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2011, 124, 682-694.	1.6	58
67	Dantrolene, a Therapeutic Agent for Malignant Hyperthermia, Inhibits Catecholaminergic Polymorphic Ventricular Tachycardia in a RyR2R2474S/+ Knock-In Mouse Model. <i>Circulation Journal</i> , 2010, 74, 2579-2584.	1.6	107
68	Catecholaminergic Polymorphic Ventricular Tachycardia Is Caused by Mutation-Linked Defective Conformational Regulation of the Ryanodine Receptor. <i>Circulation Research</i> , 2010, 106, 1413-1424.	4.5	138
69	Defective calmodulin binding to the cardiac ryanodine receptor plays a key role in CPVT-associated channel dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 660-666.	2.1	69
70	Dissociation of calmodulin from cardiac ryanodine receptor causes aberrant Ca ²⁺ release in heart failure. <i>Cardiovascular Research</i> , 2010, 87, 609-617.	3.8	72
71	Impact of intraoperative transesophageal echocardiography in cardiac and thoracic aortic surgery: Experience in 1011 cases. <i>Journal of Cardiology</i> , 2009, 54, 282-288.	1.9	30
72	Dantrolene, a Therapeutic Agent for Malignant Hyperthermia, Markedly Improves the Function of Failing Cardiomyocytes by Stabilizing Interdomain Interactions Within the Ryanodine Receptor. <i>Journal of the American College of Cardiology</i> , 2009, 53, 1993-2005.	2.8	159

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73	Defective domain-domain interactions within the ryanodine receptor as a critical cause of diastolic Ca ²⁺ leak in failing hearts. <i>Cardiovascular Research</i> , 2008, 81, 536-545.	3.8	78
74	AT1 Receptor Antagonist Restores Cardiac Ryanodine Receptor Function, Rendering Isoproterenol-Induced Failing Heart Less Susceptible to Ca ²⁺ -Leak Induced by Oxidative Stress. <i>Circulation Journal</i> , 2006, 70, 777-786.	1.6	24
75	Can Transthoracic Doppler Echocardiography Predict the Discrepancy Between Left Ventricular End-Diastolic Pressure and Mean Pulmonary Capillary Wedge Pressure in Patients With Heart Failure?. <i>Circulation Journal</i> , 2005, 69, 432-438.	1.6	44
76	Correction of Defective Interdomain Interaction Within Ryanodine Receptor by Antioxidant Is a New Therapeutic Strategy Against Heart Failure. <i>Circulation</i> , 2005, 112, 3633-3643.	1.6	110
77	Defective Regulation of Interdomain Interactions Within the Ryanodine Receptor Plays a Key Role in the Pathogenesis of Heart Failure. <i>Circulation</i> , 2005, 111, 3400-3410.	1.6	131
78	Valsartan Restores Sarcoplasmic Reticulum Function With No Appreciable Effect on Resting Cardiac Function in Pacing-Induced Heart Failure. <i>Circulation</i> , 2004, 109, 911-919.	1.6	38
79	Is the Ratio of Transmitral Peak E-Wave Velocity to Color Flow Propagation Velocity Useful for Evaluating the Severity of Heart Failure in Atrial Fibrillation?. <i>Circulation Journal</i> , 2004, 68, 1132-1138.	1.6	24
80	Application of a Miniaturized Biplane Transesophageal Echocardiographic Probe in Adults. <i>Journal of Echocardiography</i> , 2004, 2, 83-89.	0.8	1
81	FKBP12.6-Mediated Stabilization of Calcium-Release Channel (Ryanodine Receptor) as a Novel Therapeutic Strategy Against Heart Failure. <i>Circulation</i> , 2003, 107, 477-484.	1.6	238
82	A new cardioprotective agent, JTV519, improves defective channel gating of ryanodine receptor in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H1035-H1042.	3.2	71
83	Propranolol Prevents the Development of Heart Failure by Restoring FKBP12.6-Mediated Stabilization of Ryanodine Receptor. <i>Circulation</i> , 2002, 105, 1374-1379.	1.6	120