Masatoshi Yamazaki

List of Publications by Year
in descending order

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47	2,074	331670 21	254184 43
papers	citations	h-index	g-index

48	48	48	3118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rotors anchored by refractory islands drive torsades de pointes in an experimental model of electrical storm. Heart Rhythm, 2022, 19, 318-329.	0.7	6
2	Mechanism of Ventricular Fibrillation: Current Status and Problems. Advanced Biomedical Engineering, 2022, 11, 117-135.	0.6	0
3	Cardiac macrophages prevent sudden death during heart stress. Nature Communications, 2021, 12, 1910.	12.8	41
4	Spatial phase discontinuity at the center of moving cardiac spiral waves. Computers in Biology and Medicine, 2021, 130, 104217.	7.0	6
5	In-Silico Deep Reinforcement Learning for Effective Cardiac Ablation Strategy. Journal of Medical and Biological Engineering, 2021, 41, 953-965.	1.8	2
6	Validation of Intraoperative Catheter Phase Mapping Using a Simultaneous Optical Measurement System in Rabbit Ventricular Myocardium. Circulation Journal, 2020, 84, 609-615.	1.6	10
7	Cardiac Spiral Wave Termination by Linear Regional Cooling Toward the Anatomical Boundary of the Heart. Journal of Medical and Biological Engineering, 2020, 40, 400-408.	1.8	1
8	Mechanism of Electrical Defibrillation: Current Status and Future Perspective. Advanced Biomedical Engineering, 2020, 9, 125-137.	0.6	4
9	Atrial Infarction-Induced Spontaneous Focal Discharges and Atrial Fibrillation in Sheep. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005659.	4.8	23
10	Biobank-driven genomic discovery yields new insight into atrial fibrillation biology. Nature Genetics, 2018, 50, 1234-1239.	21.4	547
11	Interaction of phase singularities on the spiral wave tail: reconsideration of capturing the excitable gap. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H318-H326.	3.2	8
12	AF Ablation Guided by Spatiotemporal Electrogram DispersionÂWithout Pulmonary Vein Isolation. Journal of the American College of Cardiology, 2017, 69, 303-321.	2.8	162
13	Ranolazine Facilitates Termination of Ventricular Tachyarrhythmia Associated With Acute Myocardial Ischemia Through Suppression of Late <i>I</i>_{Na}-Mediated Focal Activity. Circulation Journal, 2017, 81, 1411-1428.	1.6	7
14	Partial IK1 blockade destabilizes spiral wave rotation center without inducing wave breakup and facilitates termination of reentrant arrhythmias in ventricles. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H750-H758.	3.2	12
15	Detection Algorithm of Phase Singularity Using Phase Variance Analysis for Epicardial Optical Mapping Data. IEEE Transactions on Biomedical Engineering, 2016, 63, 1795-1803.	4.2	22
16	The reninâ€“angiotensin system promotes arrhythmogenic substrates and lethal arrhythmias in mice with non-ischaemic cardiomyopathy. Cardiovascular Research, 2016, 109, 162-173.	3.8	15
17	Calmodulin/CaMKII inhibition improves intercellular communication and impulse propagation in the heart and is antiarrhythmic under conditions when fibrosis is absent. Cardiovascular Research, 2016, 111, 410-421.	3.8	23
18	Mechanistic Comparison of â€œNearlyÂMissedâ€•Versus â€œOn-Targetâ€ÂRotorÂAblation. JACC: Clinical Electrophysiology, 2015, 1, 256-269.	3.2	6

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19	Atrial Ischemia and Fibrillation. , 2014, , 443-448.		0
20	Acute regional left atrial ischemia causes acceleration of atrial drivers during atrial fibrillation. Heart Rhythm, 2013, 10, 901-909.	0.7	20
21	Long-Term Frequency Gradients During Persistent Atrial Fibrillation in Sheep Are Associated With Stable Sources in the Left Atrium. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 1160-1167.	4.8	65
22	Chloroquine Terminates Stretch-Induced Atrial Fibrillation More Effectively Than Flecainide in the Sheep Heart. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 561-570.	4.8	38
23	Heterogeneous atrial wall thickness and stretch promote scroll waves anchoring during atrial fibrillation. Cardiovascular Research, 2012, 94, 48-57.	3.8	133
24	Inhibition of intercellular coupling stabilizes spiral-wave reentry, whereas enhancement of the coupling destabilizes the reentry in favor of early termination. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H578-H586.	3.2	24
25	Ectopic and reentrant activation patterns in the posterior left atrium during stretch-related atrial fibrillation. Progress in Biophysics and Molecular Biology, 2012, 110, 269-277.	2.9	29
26	Pathophysiology of atrial fibrillation: From initiation to maintenance. Journal of Arrhythmia, 2012, 28, 129-139.	1.2	7
27	Regional cooling facilitates termination of spiral-wave reentry through unpinning of rotors in rabbit hearts. Heart Rhythm, 2012, 9, 107-114.	0.7	30
28	Coronary artery pathophysiology after radiofrequency catheter ablation: Review and perspectives. Heart Rhythm, 2011, 8, 1975-1980.	0.7	46
29	Time- and frequency-domain analyses of atrial fibrillation activation rate: The optical mapping reference. Heart Rhythm, 2011, 8, 1758-1765.	0.7	40
30	Repolarization Alternans in Dilated Pulsing Atria. Journal of the American College of Cardiology, 2011, 58, 2116-2117.	2.8	2
31	High-Resolution Endocardial and Epicardial Optical Mapping in a Sheep Model of Stretch-Induced Atrial Fibrillation. Journal of Visualized Experiments, 2011, , .	0.3	13
32	Atrial Coronary Arteries: Anatomy And Atrial Perfusion Territories. Journal of Atrial Fibrillation, 2011, 4, 375.	0.5	12
33	Acute amiodarone promotes drift and early termination of spiral wave re-entry. Heart and Vessels, 2010, 25, 338-347.	1.2	11
34	Left atrial coronary perfusion territories in isolated sheep hearts: Implications for atrial fibrillation maintenance. Heart Rhythm, 2010, 7, 1501-1508.	0.7	21
35	Early termination of spiral wave reentry by combined blockade of Na+ and L-type Ca2+ currents in a perfused two-dimensional epicardial layer of rabbit ventricular myocardium. Heart Rhythm, 2009, 6, 684-692.	0.7	26
36	Mechanisms of stretch-induced atrial fibrillation in the presence and the absence of adrenocholinergic stimulation: Interplay between rotors and focal discharges. Heart Rhythm, 2009, 6, 1009-1017.	0.7	65

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37	Moderate hypothermia increases the chance of spiral wave collision in favor of self-termination of ventricular tachycardia/fibrillation. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1896-H1905.	3.2	43
38	Altered expression of connexin43 contributes to the arrhythmogenic substrate during the development of heart failure in cardiomyopathic hamster. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1164-H1173.	3.2	41
39	Atrial Septopulmonary Bundle of the Posterior Left Atrium Provides a Substrate for Atrial Fibrillation Initiation in a Model of Vagally Mediated Pulmonary Vein Tachycardia of the Structurally Normal Heart. Circulation: Arrhythmia and Electrophysiology, 2008, 1, 175-183.	4.8	87
40	Spatial Distribution of Fibrosis Governs Fibrillation Wave Dynamics in the Posterior Left Atrium During Heart Failure. Circulation Research, 2007, 101, 839-847.	4.5	297
41	Modulation of Spiral Wave Reentry by K+ Channel Blockade. Circulation Journal, 2007, 71, A26-A31.	1.6	10
42	Endoscopic fluorescence mapping of the left atrium: A novel experimental approach for high resolution endocardial mapping in the intact heart. Heart Rhythm, 2007, 4, 916-924.	0.7	23
43	Mechanisms of destabilization and early termination of spiral wave reentry in the ventricle by a class III antiarrhythmic agent, nifekalant. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H539-H548.	3.2	55
44	A case of short-coupled variant of torsade de pointes characterized by spatial heterogeneity of action potential duration and its restitution kinetics. Journal of Interventional Cardiac Electrophysiology, 2007, 17, 35-40.	1.3	9
45	Combined Effects of Nifekalant and Lidocaine on the Spiral-Type Re-Entry in a Perfused 2-Dimensional Layer of Rabbit Ventricular Myocardium. Circulation Journal, 2005, 69, 576-584.	1.6	23
46	ANALYSIS OF VIRTUAL ELECTRODE POLARIZATION INDUCED BREAK EXCITATION AND CAPTURE MECHANISMS OF EXCITATION PROPAGATION BY ELECTRICAL POINT STIMULUS. , 2005, , .		0
47	ACUTE AMIODARONE PROLONGS VT CYCLE LENGTH AND PREVENTS WAVE-BREAK OF SPIRAL TYPE EXCITATIONS. , 2005, , .		0