

Jason Ng

List of Publications by Year in descending order

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56
papers

2,492
citations

212478

28
h-index

223390

49
g-index

58
all docs

58
docs citations

58
times ranked

3320
citing authors

#	ARTICLE	IF	CITATIONS
1	Attenuation of Oxidative Injury With Targeted Expression of NADPH Oxidase 2 Short Hairpin RNA Prevents Onset and Maintenance of Electrical Remodeling in the Canine Atrium. <i>Circulation</i> , 2020, 142, 1261-1278.	1.6	21
2	Exercise based assessment of cardiac autonomic function in type 1 versus type 2 diabetes mellitus. <i>Cardiology Journal</i> , 2020, , .	0.5	1
3	Oxidative stress creates a unique, CaMKII-mediated substrate for atrial fibrillation in heart failure. <i>JCI Insight</i> , 2018, 3, .	2.3	50
4	Surface ECG f Wave Analysis at Initial Onset of Paroxysmal and Persistent Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2017, 28, 498-503.	0.8	4
5	Association of sleep characteristics with cardiovascular and metabolic risk factors in a population sample: the Chicago Area Sleep Study. <i>Sleep Health</i> , 2017, 3, 107-112.	1.3	15
6	Associations of Sex Hormones With Surface Electrocardiogram J Point Amplitude in Healthy Volunteers. <i>American Journal of Cardiology</i> , 2017, 119, 1877-1882.	0.7	5
7	Assessment of left and right atrial 3D hemodynamics in patients with atrial fibrillation: a 4D flow MRI study. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 807-815.	0.7	33
8	Response to Letter Regarding Article, "Evaluating the Atrial Myopathy Underlying Atrial Fibrillation: Identifying the Arrhythmogenic and Thrombogenic Substrate". <i>Circulation</i> , 2016, 133, e431.	1.6	0
9	Left Atrial and Left Atrial Appendage 4D Blood Flow Dynamics in Atrial Fibrillation. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, e004984.	1.3	91
10	Constitutive Expression of a Dominant-Negative TGF- β 2 Type II Receptor in the Posterior Left Atrium Leads to Beneficial Remodeling of Atrial Fibrillation Substrate. <i>Circulation Research</i> , 2016, 119, 69-82.	2.0	44
11	Three-dimensional left atrial blood flow characteristics in patients with atrial fibrillation assessed by 4D flow CMR. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1259-1268.	0.5	46
12	Disparities in sleep characteristics by race/ethnicity in a population-based sample: Chicago Area Sleep Study. <i>Sleep Medicine</i> , 2016, 18, 50-55.	0.8	139
13	Surface ECG f Wave Analysis of Dofetilide Drug Effect in the Atrium. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 644-648.	0.8	9
14	Searching for "order" in atrial fibrillation using electrogram morphology recurrence plots. <i>Computers in Biology and Medicine</i> , 2015, 65, 220-228.	3.9	12
15	Evaluating the Atrial Myopathy Underlying Atrial Fibrillation. <i>Circulation</i> , 2015, 132, 278-291.	1.6	196
16	Comparison of the physiologic and prognostic implications of the heart rate versus the RR interval. <i>Heart Rhythm</i> , 2014, 11, 1925-1933.	0.3	17
17	Electrogram morphology recurrence patterns during atrial fibrillation. <i>Heart Rhythm</i> , 2014, 11, 2027-2034.	0.3	59
18	Iterative Method to Detect Atrial Activations and Measure Cycle Length From Electrograms During Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 273-278.	2.5	32

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19	The Ups and Downs of Ventricular Fibrillation Waveforms— <i>Journal of the American College of Cardiology</i> , 2014, 64, 1370-1372.	1.2	3
20	Detection of cardiovascular autonomic neuropathy using exercise testing in patients with type 2 diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2013, 27, 64-69.	1.2	19
21	Contribution of Fibrosis and the Autonomic Nervous System to Atrial Fibrillation Electrograms in Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 640-649.	2.1	40
22	Recovery of Heart Rate Variability and Ventricular Repolarization Indices Following Exercise. <i>Annals of Noninvasive Electrocardiology</i> , 2012, 17, 349-360.	0.5	16
23	Clinical Characteristics and Prevalence of Early Repolarization Associated With Ventricular Arrhythmias Following Acute ST-Elevation Myocardial Infarction. <i>American Journal of Cardiology</i> , 2012, 110, 615-620.	0.7	48
24	Virtual Electrophysiological Study in a 3-Dimensional Cardiac Magnetic Resonance Imaging Model of Porcine Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2012, 60, 423-430.	1.2	38
25	QT-RR hysteresis is caused by differential autonomic states during exercise and recovery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H2567-H2573.	1.5	29
26	Paradoxical Change in Atrial Fibrillation Dominant Frequencies with Baroreflex-Mediated Parasympathetic Stimulation with Phenylephrine Infusion. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 1045-1050.	0.8	8
27	Targeted nonviral gene-based inhibition of G β /i/o-mediated vagal signaling in the posterior left atrium decreases vagal-induced atrial fibrillation. <i>Heart Rhythm</i> , 2011, 8, 1722-1729.	0.3	56
28	Time- and frequency-domain analysis of AF electrograms: Simple approaches to a complex arrhythmia?. <i>Heart Rhythm</i> , 2011, 8, 1766-1768.	0.3	4
29	Autonomic Effects of Exercise-Based Cardiac Rehabilitation. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2011, 31, 87-91.	1.2	20
30	Autonomic Remodeling in the Left Atrium and Pulmonary Veins in Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 388-396.	2.1	98
31	Persistent sympathoexcitation long after submaximal exercise in subjects with and without coronary artery disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H912-H920.	1.5	21
32	Measuring the Complexity of Atrial Fibrillation Electrograms. <i>Journal of Cardiovascular Electrophysiology</i> , 2010, 21, 649-655.	0.8	43
33	Early Repolarization Associated With Ventricular Arrhythmias in Patients With Chronic Coronary Artery Disease. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010, 3, 489-495.	2.1	114
34	High-resolution electrical mapping of depolarization and repolarization alternans in an ischemic dog model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H352-H359.	1.5	12
35	Reply to "Letter to the editor: Depolarization and repolarization alternans in an anesthetized canine ischemia model". <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H729-H729.	1.5	0
36	Alternative Techniques for Rate Estimation. , 2010, , 57-68.		0

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37	Signals in the Frequency Domain. , 2010, , 17-26.		1
38	Autonomic effects on the spectral analysis of heart rate variability after exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1421-H1428.	1.5	69
39	Targeted G-protein inhibition as a novel approach to decrease vagal atrial fibrillation by selective parasympathetic attenuation. Cardiovascular Research, 2009, 83, 481-492.	1.8	32
40	Spatiotemporal characterization of atrial activation in persistent human atrial fibrillation: Multisite electrogram analysis and surface electrocardiographic correlationsâ€™A pilot study. Heart Rhythm, 2008, 5, 686-693.	0.3	49
41	Neural substrate for atrial fibrillation: implications for targeted parasympathetic blockade in the posterior left atrium. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H134-H144.	1.5	76
42	A new method to determine the electrical transfer function of the human thorax. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3440-H3447.	1.5	3
43	Frequency gradients during two different forms of fibrillation in the canine atria. Heart Rhythm, 2007, 4, 1315-1323.	0.3	9
44	Unique Autonomic Profile of the Pulmonary Veins and Posterior Left Atrium. Journal of the American College of Cardiology, 2007, 49, 1340-1348.	1.2	61
45	Technical Considerations for Dominant Frequency Analysis. Journal of Cardiovascular Electrophysiology, 2007, 18, 757-764.	0.8	98
46	Understanding and Interpreting Dominant Frequency Analysis of AF Electrograms. Journal of Cardiovascular Electrophysiology, 2007, 18, 680-685.	0.8	115
47	Effect of electrogram characteristics on the relationship of dominant frequency to atrial activation rate in atrial fibrillation. Heart Rhythm, 2006, 3, 1295-1305.	0.3	137
48	P4-15. Heart Rhythm, 2006, 3, S223.	0.3	0
49	P6-36. Heart Rhythm, 2006, 3, S313.	0.3	0
50	Assessment of parasympathetic reactivation after exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H2446-H2452.	1.5	213
51	Atrial fibrillation and waveform characterization. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 24-30.	1.1	131
52	Surface ECG vector characteristics of organized and disorganized atrial activity during atrial fibrillation. Journal of Electrocardiology, 2004, 37, 91-97.	0.4	23
53	Atrial Fibrillatory Wave Characteristics on Surface Electrogram:. Journal of Cardiovascular Electrophysiology, 2004, 15, 911-917.	0.8	52
54	Relationship between pattern of occurrence of atrial fibrillation and surface electrocardiographic fibrillatory wave characteristics. Heart Rhythm, 2004, 1, 656-663.	0.3	49

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55	Atrial flutter vector loops derived from the surface ECG: does the plane of the loop correspond anatomically to the macroreentrant circuit?. <i>Journal of Electrocardiology</i> , 2003, 36, 181-186.	0.4	22
56	Accelerometer-based body-position sensing for ambulatory electrocardiographic monitoring. <i>Biomedical Instrumentation and Technology</i> , 2003, 37, 338-46.	0.2	9