Mark D Mccauley

List of Publications by Year
in descending order

31 papers	1,111 citations	623734 14 h-index	610901 24 g-index
31 all docs	31 docs citations	31 times ranked	2126 citing authors

#	Article	IF	Citations
1	Circadian rhythms govern cardiac repolarization and arrhythmogenesis. Nature, 2012, 483, 96-99.	27.8	311
2	Ryanodine Receptor Phosphorylation by Calcium/Calmodulin-Dependent Protein Kinase II Promotes Life-Threatening Ventricular Arrhythmias in Mice With Heart Failure. Circulation, 2010, 122, 2669-2679.	1.6	261
3	SPEG (Striated Muscle Preferentially Expressed Protein Kinase) Is Essential for Cardiac Function by Regulating Junctional Membrane Complex Activity. Circulation Research, 2017, 120, 110-119.	4.5	86
4	Pathogenesis of Lethal Cardiac Arrhythmias in Mecp2 Mutant Mice: Implication for Therapy in Rett Syndrome. Science Translational Medicine, 2011, 3, 113ra125.	12.4	72
5	Ion Channel and Structural Remodeling in Obesity-Mediated Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008296.	4.8	53
6	Animal models of arrhythmogenic cardiomyopathy. DMM Disease Models and Mechanisms, 2009, 2, 563-570.	2.4	36
7	Targeting ryanodine receptors for anti-arrhythmic therapy. Acta Pharmacologica Sinica, 2011, 32, 749-757.	6.1	36
8	Expression and function of Kv1.1 potassium channels in human atria from patients with atrial fibrillation. Basic Research in Cardiology, 2015, 110, 505.	5.9	35
9	In Vivo Restoration of Myocardial Conduction With Carbon Nanotube Fibers. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007256.	4.8	30
10	Biocompatibility studies of macroscopic fibers made from carbon nanotubes: Implications for carbon nanotube macrostructures in biomedical applications. Carbon, 2021, 173, 462-476.	10.3	25
11	Worsening renal function is not associated with response to treatment in acute heart failure. International Journal of Cardiology, 2013, 167, 1912-1917.	1.7	23
12	Association Between Family History and Early-Onset Atrial Fibrillation Across Racial and Ethnic Groups. JAMA Network Open, 2018, 1, e182497.	5.9	23
13	Ryanodine Receptor Phosphorylation, Calcium/Calmodulin-Dependent Protein Kinase II, and Life-Threatening Ventricular Arrhythmias. Trends in Cardiovascular Medicine, 2011, 21, 48-51.	4.9	21
14	Phospholamban ablation rescues the enhanced propensity to arrhythmias of mice with CaMKIIâ€constitutive phosphorylation of RyR2 at site S2814. Journal of Physiology, 2016, 594, 3005-3030.	2.9	20
15	Ambulatory ECG Recording in Mice. Journal of Visualized Experiments, 2010, , .	0.3	15
16	Virchowâ€™s Triad and the Role of Thrombosis in COVID-Related Stroke. Frontiers in Physiology, 2021, 12, 769254.	2.8	15
17	Proarrhythmic and Torsadogenic Effects of Potassium Channel Blockers in Patients. Cardiac Electrophysiology Clinics, 2016, 8, 481-493.	1.7	12
18	Atrial Cardiomyopathy: An Unexplored Limb of Virchow's Triad for AF Stroke Prophylaxis. Frontiers in Cardiovascular Medicine, 2020, 7, 11.	2.4	12

#	Article	IF	Citations
19	Fluoroscopy-free Atrial Transseptal Puncture. European Journal of Arrhythmia & Electrophysiology, 2016, 02, 57.	0.2	12
20	Molecular Insights into Short QT Syndrome. Journal of Innovations in Cardiac Rhythm Management, 2018, 2018, 3065-3070.	0.5	4
21	A new paradigm for predicting risk of Torsades de Pointes during drug development: Commentary on: â€œImproved prediction of drugâ€induced Torsades de Pointes through simulations of dynamics and machine learning algorithmsâ€• Clinical Pharmacology and Therapeutics, 2016, 100, 324-326.	4.7	3
22	Race and Socioeconomic Status Regulate Lifetime Risk of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006584.	4.8	2
23	Atrial Fibrillation Risk Prediction from Electrocardiogram and Related Health Data with Deep Neural Network. , 2020, , .		2
24	The Pharmacogenomics of a Mutation â€œHotspotâ€•for the Short QT Syndrome. JACC: Clinical Electrophysiology, 2017, 3, 744-746.	3.2	1
25	Atrial Fibrillation and Longitudinal Change in Cognitive Function in CKD. Kidney International Reports, 2021, 6, 669-674.	0.8	1
26	Ca2+/Calmodulin Dependent Protein Kinase II Phosphorylation of RyR2 Alters the Force-Frequency Relationship in Mice. Journal of Cardiac Failure, 2011, 17, S32.	1.7	0
27	Lack of Association of Changes in BNP with Cardiorenal Syndrome during Treatment of Acute Decompensated Heart Failure. Journal of Cardiac Failure, 2011, 17, S91.	1.7	0
28	Germline versus somatic mutations in genetic atrial fibrillation. Heart Rhythm, 2017, 14, 1539-1540.	0.7	0
29	Abstract 304: Protein Phosphatase 1 Contributes to Atrial Stunning in Atrial Fibrillation. Circulation Research, 2018, 123, .	4.5	0
30	Abstract WMP39: Protein Phosphatase 1 Regulatory Subunit 12C Contributes to Atrial Myosin Light Chain Dephosphorylation in Atrial Fibrillation. Stroke, 2020, 51, .	2.0	0
31	Left atrial echocardiographic parameters predict the onset of atrial fibrillation: the SMASH2 scoring system. Journal of Interventional Cardiac Electrophysiology, 2022, , .	1.3	0