Michelle S Parvatiyar

List of Publications by Year
in descending order

35 papers	1,109 citations	430874 18 h-index	477307 29 g-index
37 all docs	37 docs citations	37 times ranked	1213 citing authors

#	Article	IF	Citations
1	Mutations in Troponin that cause HCM, DCM AND RCM: What can we learn about thin filament function?. Journal of Molecular and Cellular Cardiology, 2010, 48, 882-892.	1.9	176
2	Molecular and functional characterization of novel hypertrophic cardiomyopathy susceptibility mutations in TNNC1-encoded troponin C. Journal of Molecular and Cellular Cardiology, 2008, 45, 281-288.	1.9	111
3	Clinical and Functional Characterization of TNNT2 Mutations Identified in Patients With Dilated Cardiomyopathy. Circulation: Cardiovascular Genetics, 2009, 2, 306-313.	5.1	95
4	A Functional and Structural Study of Troponin C Mutations Related to Hypertrophic Cardiomyopathy. Journal of Biological Chemistry, 2009, 284, 19090-19100.	3.4	83
5	Global Analysis of Cellular Factors and Responses Involved in Pseudomonas aeruginosa Resistance to Arsenite. Journal of Bacteriology, 2005, 187, 4853-4864.	2.2	67
6	Cardiac Troponin Mutations and Restrictive Cardiomyopathy. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-9.	3.0	54
7	A Troponin T Mutation That Causes Infantile Restrictive Cardiomyopathy Increases Ca2+ Sensitivity of Force Development and Impairs the Inhibitory Properties of Troponin. Journal of Biological Chemistry, 2008, 283, 2156-2166.	3.4	52
8	A Mutation in TNNC1-encoded Cardiac Troponin C, TNNC1-A31S, Predisposes to Hypertrophic Cardiomyopathy and Ventricular Fibrillation. Journal of Biological Chemistry, 2012, 287, 31845-31855.	3.4	50
9	Functional Characterization of TNNC1 Rare Variants Identified in Dilated Cardiomyopathy. Journal of Biological Chemistry, 2011, 286, 34404-34412.	3.4	43
10	Transgenic mice expressing Na+-K+-ATPase in smooth muscle decreases blood pressure. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1172-H1182.	3.2	39
11	Troponin and cardiomyopathy. Biochemical and Biophysical Research Communications, 2008, 369, 74-81.	2.1	36
12	In Vivo Analysis of Troponin C Knock-In (A8V) Mice. Circulation: Cardiovascular Genetics, 2015, 8, 653-664.	5.1	32
13	Sarcospan Regulates Cardiac Isoproterenol Response and Prevents Duchenne Muscular Dystrophyâ€“Associated Cardiomyopathy. Journal of the American Heart Association, 2015, 4, .	3.7	31
14	Meta-analysis of cardiomyopathy-associated variants in troponin genes identifies loci and intragenic hot spots that are associated with worse clinical outcomes. Journal of Molecular and Cellular Cardiology, 2020, 142, 118-125.	1.9	30
15	Strong Cross-bridges Potentiate the Ca2+ Affinity Changes Produced by Hypertrophic Cardiomyopathy Cardiac Troponin C Mutants in Myofilaments. Journal of Biological Chemistry, 2011, 286, 1005-1013.	3.4	28
16	Predicting Cardiomyopathic Phenotypes by Altering Ca2+ Affinity of Cardiac Troponin C. Journal of Biological Chemistry, 2010, 285, 27785-27797.	3.4	26
17	The Functional Properties of Human Slow Skeletal Troponin T Isoforms in Cardiac Muscle Regulation. Journal of Biological Chemistry, 2012, 287, 37362-37370.	3.4	21
18	Fetal Cardiac Troponin Isoforms Rescue the Increased Ca2+ Sensitivity Produced by a Novel Double Deletion in Cardiac Troponin T Linked to Restrictive Cardiomyopathy. Journal of Biological Chemistry, 2011, 286, 20901-20912.	3.4	19

#	Article	IF	Citations
19	Cardiovascular Injury Due to SARS-CoV-2. Current Clinical Microbiology Reports, 2021, 8, 167-177.	3.4	18
20	Stabilization of the cardiac sarcolemma by sarcospan rescues DMD-associated cardiomyopathy. JCI Insight, 2019, 4, .	5.0	18
21	Hypertrophic Cardiomyopathy Cardiac Troponin C Mutations Differentially Affect Slow Skeletal and Cardiac Muscle Regulation. Frontiers in Physiology, 2017, 8, 221.	2.8	16
22	A comprehensive guide to genetic variants and post-translational modifications of cardiac troponin C. Journal of Muscle Research and Cell Motility, 2020, 42, 323-342.	2.0	12
23	Essential roles of the dystrophin-glycoprotein complex in different cardiac pathologies. Advances in Medical Sciences, 2021, 66, 52-71.	2.1	11
24	Post-translational modification patterns on Î²-myosin heavy chain are altered in ischemic and nonischemic human hearts. ELife, 2022, 11, .	6.0	10
25	Sexual dimorphism in cardiac transcriptome associated with a troponin C murine model of hypertrophic cardiomyopathy. Physiological Reports, 2020, 8, e14396.	1.7	7
26	Anomalous structural dynamics of minimally frustrated residues in cardiac troponin C triggers hypertrophic cardiomyopathy. Chemical Science, 2021, 12, 7308-7323.	7.4	7
27	Pathogenesis associated with a restrictive cardiomyopathy mutant in cardiac troponin T is due to reduced protein stability and greatly increased myofilament Ca2+ sensitivity. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 365-372.	2.4	6
28	The missing links within troponin. Archives of Biochemistry and Biophysics, 2019, 663, 95-100.	3.0	6
29	Structural considerations for chromatin state models with transcription as a functional readout. FEBS Letters, 2012, 586, 3548-3554.	2.8	5
30	Fetal Cardiac Troponin Isoforms Rescue the Increased Ca2+ Sensitivity Produced by a Novel Double Deletion in Cardiac Troponin T Linked to Restrictive Cardiomyopathy. Biophysical Journal, 2011, 100, 114a-115a.	0.5	0
31	Beta-Myosin Heavy Chain Post-Translational Modifications in Failing and Non-Failing Human Hearts. Biophysical Journal, 2019, 116, 29a-30a.	0.5	0
32	Establishing a Role for Sarcospan as an Obesityâ€Susceptibility Gene in Mice. FASEB Journal, 2021, 35, .	0.5	0
33	Cardiac Linker Histones Are Differentially Regulated Following Hypertrophic Stimuli. FASEB Journal, 2012, 26, 1127.9.	0.5	0
34	The Role of Sarcospan in Cardiac Sarcolemma Organization and Function. FASEB Journal, 2015, 29, 801.3.	0.5	0
35	Sarcospanâ€deficient mice exhibit a heightened inflammatory phenotype under obesiogenic conditions. FASEB Journal, 2022, 36, .	0.5	0