

# Mohit Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

548  
citations

840776

11  
h-index

839539

18  
g-index

24  
all docs

24  
docs citations

24  
times ranked

841  
citing authors

#	ARTICLE	IF	CITATIONS
1	Titin strain contributes to the Frank-Starling law of the heart by structural rearrangements of both thin- and thick-filament proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2306-2311.	7.1	154
2	Hippo Deficiency Leads to Cardiac Dysfunction Accompanied by Cardiomyocyte Dedifferentiation During Pressure Overload. <i>Circulation Research</i> , 2019, 124, 292-305.	4.5	82
3	Haploinsufficiency of MYBPC3 exacerbates the development of hypertrophic cardiomyopathy in heterozygous mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 234-243.	1.9	58
4	Cardiac Myosin-binding Protein C and Troponin-I Phosphorylation Independently Modulate Myofilament Length-dependent Activation. <i>Journal of Biological Chemistry</i> , 2015, 290, 29241-29249.	3.4	48
5	Contractile dysfunction in a mouse model expressing a heterozygous MYBPC3 mutation associated with hypertrophic cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H807-H815.	3.2	45
6	Probenecid Improves Cardiac Function in Patients With Heart Failure With Reduced Ejection Fraction In Vivo and Cardiomyocyte Calcium Sensitivity In Vitro. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	23
7	The naked mole-rat exhibits an unusual cardiac myofilament protein profile providing new insights into heart function of this naturally subterranean rodent. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 1603-1613.	2.8	20
8	Amino terminus of cardiac myosin binding protein-C regulates cardiac contractility. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 156, 33-44.	1.9	17
9	Phosphorylation of cardiac myosin-binding protein-C contributes to calcium homeostasis. <i>Journal of Biological Chemistry</i> , 2020, 295, 11275-11291.	3.4	16
10	Rewiring of 3D Chromatin Topology Orchestrates Transcriptional Reprogramming and the Development of Human Dilated Cardiomyopathy. <i>Circulation</i> , 2022, 145, 1663-1683.	1.6	15
11	Monoclonal Antibody-Based Immunotherapy and Its Role in the Development of Cardiac Toxicity. <i>Cancers</i> , 2021, 13, 86.	3.7	14
12	Cardiomyocyte-specific expression of CRNK, the C-terminal domain of PYK2, maintains ventricular function and slows ventricular remodeling in a mouse model of dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 281-291.	1.9	13
13	Genetic, clinical, molecular, and pathogenic aspects of the South Asian-specific polymorphic MYBPC3 <sup>25bp</sup> variant. <i>Biophysical Reviews</i> , 2020, 12, 1065-1084.	3.2	12
14	Impaired Right Ventricular Calcium Cycling Is an Early Risk Factor in R14del-Phospholamban Arrhythmias. <i>Journal of Personalized Medicine</i> , 2021, 11, 502.	2.5	12
15	GSK-3 <sup>2</sup> Localizes to the Cardiac Z-Disc to Maintain Length Dependent Activation. <i>Circulation Research</i> , 2022, 130, 871-886.	4.5	8
16	Knockout of Sorbin And SH3 Domain Containing 2 (Sorbs2) in Cardiomyocytes Leads to Dilated Cardiomyopathy in Mice. <i>Journal of the American Heart Association</i> , 2022, 11, .	3.7	5
17	Rapid large-scale purification of myofilament proteins using a cleavable His6-tag. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1509-H1515.	3.2	4
18	Modulation of myosin by cardiac myosin binding protein-C peptides improves cardiac contractility in ex-vivo experimental heart failure models. <i>Scientific Reports</i> , 2022, 12, 4337.	3.3	2

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19	The Role of Cardiac Myosin Light Chain 2V Phosphorylation in the Healthy and Failing Myocardium. Biophysical Journal, 2014, 106, 348a.	0.5	0
20	Cardiac Myosin Binding Protein-C Phosphorylation and Sarcomere Function. Biophysical Journal, 2014, 106, 775a-776a.	0.5	0
21	Abstract 20232: Haploinsufficiency of MYBPC3 in the Development of Hypertrophic Cardiomyopathy. Circulation, 2014, 130, .	1.6	0
22	Abstract 19086: Myofilament Proteins of the Naked Mole-rat Heart Reflect Low Basal Species Cardiac Function. Circulation, 2014, 130, .	1.6	0
23	Abstract 10889: Treating Heart Failure With Preserved Ejection Fraction Through Troponin I Phospho-mimicry. Circulation, 2015, 132, .	1.6	0