

Julijus Bogomolovas

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,911
citations

304743

22
h-index

265206

42
g-index

55
all docs

55
docs citations

55
times ranked

3106
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Variation in Titin in Arrhythmogenic Right Ventricular Cardiomyopathy“Overlap Syndromes. <i>Circulation</i> , 2011, 124, 876-885.	1.6	263
2	PKC Phosphorylation of Titin’s PEVK Element. <i>Circulation Research</i> , 2009, 105, 631-638.	4.5	238
3	Screening of fusion partners for high yield expression and purification of bioactive viscotoxins. <i>Protein Expression and Purification</i> , 2009, 64, 16-23.	1.3	133
4	Loss-of-function mutations in co-chaperone BAG3 destabilize small HSPs and cause cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2017, 127, 3189-3200.	8.2	107
5	Dynamic distribution of muscle-specific calpain in mice has a key role in physical-stress adaptation and is impaired in muscular dystrophy. <i>Journal of Clinical Investigation</i> , 2010, 120, 2672-2683.	8.2	85
6	MuRF1 is a muscle fiber-type II associated factor and together with MuRF2 regulates type-II fiber trophicity and maintenance. <i>Journal of Structural Biology</i> , 2010, 170, 344-353.	2.8	75
7	Infarct Fibroblasts Do Not Derive From Bone Marrow Lineages. <i>Circulation Research</i> , 2018, 122, 583-590.	4.5	65
8	mTORC2 controls the activity of PKC and Akt by phosphorylating a conserved TOR interaction motif. <i>Science Signaling</i> , 2021, 14, .	3.6	64
9	Titin antibodies in “seronegative” myasthenia gravis” A new role for an old antigen. <i>Journal of Neuroimmunology</i> , 2016, 292, 108-115.	2.3	57
10	<i>Tbx20</i> Is Required in Mid-Gestation Cardiomyocytes and Plays a Central Role in Atrial Development. <i>Circulation Research</i> , 2018, 123, 428-442.	4.5	57
11	Regulation of nicotinic acetylcholine receptor turnover by MuRF1 connects muscle activity to endo/lysosomal and atrophy pathways. <i>Age</i> , 2013, 35, 1663-1674.	3.0	55
12	Titin kinase is an inactive pseudokinase scaffold that supports MuRF1 recruitment to the sarcomeric M-line. <i>Open Biology</i> , 2014, 4, 140041.	3.6	52
13	HSPB7 is indispensable for heart development by modulating actin filament assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11956-11961.	7.1	51
14	Single Molecule Force Spectroscopy of the Cardiac Titin N2B Element. <i>Journal of Biological Chemistry</i> , 2009, 284, 13914-13923.	3.4	50
15	PKC and PKN in heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 128, 212-226.	1.9	50
16	Systemic AAV9.LAMP2B injection reverses metabolic and physiologic multiorgan dysfunction in a murine model of Danon disease. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	49
17	Single Molecule Force Spectroscopy on Titin Implicates Immunoglobulin Domain Stability as a Cardiac Disease Mechanism*. <i>Journal of Biological Chemistry</i> , 2013, 288, 5303-5315.	3.4	38
18	Titin-Actin Interaction: PEVK-Actin-Based Viscosity in a Large Animal. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-8.	3.0	35

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19	Quantification of myocardial fibrosis by digital image analysis and interactive stereology. <i>Diagnostic Pathology</i> , 2014, 9, 114.	2.0	34
20	The effects of PKC ζ phosphorylation on the extensibility of titin's PEVK element. <i>Journal of Structural Biology</i> , 2010, 170, 270-277.	2.8	33
21	Induction of Ankrd1 in Dilated Cardiomyopathy Correlates with the Heart Failure Progression. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	30
22	Identification of an N-terminal inhibitory extension as the primary mechanosensory regulator of twitchin kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13608-13613.	7.1	25
23	CARP interacts with titin at a unique helical N2A sequence and at the domain Ig81 to form a structured complex. <i>FEBS Letters</i> , 2016, 590, 3098-3110.	2.8	22
24	Molecular Characterisation of Titin N2A and Its Binding of CARP Reveals a Titin/Actin Cross-linking Mechanism. <i>Journal of Molecular Biology</i> , 2021, 433, 166901.	4.2	22
25	Titin kinase ubiquitination aligns autophagy receptors with mechanical signals in the sarcomere. <i>EMBO Reports</i> , 2021, 22, e48018.	4.5	22
26	The BAG3-dependent and -independent roles of cardiac small heat shock proteins. <i>JCI Insight</i> , 2019, 4, .	5.0	19
27	Molecular mechanisms behind progressing chronic inflammatory dilated cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2015, 15, 26.	1.7	18
28	P209L mutation in <i>Bag3</i> does not cause cardiomyopathy in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H392-H399.	3.2	18
29	Desmosomal COP9 regulates proteome degradation in arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	18
30	Molecular basis for the fold organization and sarcomeric targeting of the muscle atrogin MuRF1. <i>Open Biology</i> , 2014, 4, 130172.	3.6	17
31	Exploration of pathomechanisms triggered by a single-nucleotide polymorphism in titin's I-band: the cardiomyopathy-linked mutation T2580I. <i>Open Biology</i> , 2016, 6, 160114.	3.6	17
32	The Role of Serum Adiponectin for Outcome Prediction in Patients with Dilated Cardiomyopathy and Advanced Heart Failure. <i>BioMed Research International</i> , 2017, 2017, 1-13.	1.9	15
33	Understanding the molecular basis of cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H181-H233.	3.2	14
34	A Novel Murine Model of Parvovirus Associated Dilated Cardiomyopathy Induced by Immunization with VP1-Unique Region of Parvovirus B19. <i>BioMed Research International</i> , 2016, 2016, 1-9.	1.9	11
35	Cardiac specific titin N2B exon is a novel sensitive serological marker for cardiac injury. <i>International Journal of Cardiology</i> , 2016, 212, 232-234.	1.7	11
36	Regulation of Glucose Metabolism by MuRF1 and Treatment of Myopathy in Diabetic Mice with Small Molecules Targeting MuRF1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2225.	4.1	10

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37	MuRF1 and MuRF2 are key players in skeletal muscle regeneration involving myogenic deficit and deregulation of the chromatin remodeling complex. <i>JCSM Rapid Communications</i> , 2019, 2, 1-25.	1.6	6
38	Self-Assembling Proteins as High-Performance Substrates for Embryonic Stem Cell Self-Renewal. <i>Advanced Materials</i> , 2019, 31, 1807521.	21.0	6
39	The Role of Cardiac T-Cadherin in the Indicating Heart Failure Severity of Patients with Non-Ischemic Dilated Cardiomyopathy. <i>Medicina (Lithuania)</i> , 2020, 56, 27.	2.0	5
40	The Multifunctional Calcium/Calmodulin-Dependent Protein Kinase II Delta (CaMKII δ) Phosphorylates Titin N2B and PEVK Spring Elements. <i>Biophysical Journal</i> , 2012, 102, 559a.	0.5	4
41	Atypical ALPK2 kinase is not essential for cardiac development and function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1509-H1515.	3.2	3
42	Molecular Mechanisms behind Persistent Presence of Parvovirus B19 in Human Dilated Myocardium. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 181-202.	1.6	3
43	The Effect of a Unique Region of Parvovirus B19 Capsid Protein VP1 on Endothelial Cells. <i>Biomolecules</i> , 2021, 11, 606.	4.0	2
44	Production and analysis of titin kinase: Exploiting active/inactive kinase homologs in pseudokinase validation. <i>Methods in Enzymology</i> , 2022, 667, 147-181.	1.0	2
45	Comparison of Human and Mouse Recombinant Titin N2B Fragment as a Substrate for PKA and PKG. <i>Biophysical Journal</i> , 2011, 100, 455a.	0.5	0
46	Stretching of Twitchin Kinase. <i>Biophysical Journal</i> , 2012, 102, 361a-362a.	0.5	0
47	Single Molecule Studies of a Titin Mutation Linked to Cardiac Disease. <i>Biophysical Journal</i> , 2012, 102, 558a-559a.	0.5	0
48	Mechanism of Fibrosis in Inflammatory Dilated Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2014, 20, S81.	1.7	0
49	PM051 The role of collagen in virus-positive dilated cardiomyopathy. , 2014, 9, e71.		0
50	Determining the Molecular Mechanisms that Link a Titin Mutation to Cardiomyopathy. <i>Biophysical Journal</i> , 2014, 106, 774a.	0.5	0
51	Desmosomal COP9 regulates proteome degradation in arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
52	Giant Proteins. , 2012, , 367-367.		0