Jian-Ping Jin

List of Publications by Year
in descending order

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156 papers	5,171 citations	76031 42 h-index	139680 61 g-index
156 all docs	156 docs citations	156 times ranked	4486 citing authors

#	Article	IF	Citations
1	Deletion of Calponin 2 Reduces the Formation of Postoperative Peritoneal Adhesions. Journal of Investigative Surgery, 2022, 35, 517-524.	0.6	6
2	Truncation of the N-terminus of cardiac troponin I initiates adaptive remodeling of the myocardial proteosome via phosphorylation of mechano-sensitive signaling pathways. Molecular and Cellular Biochemistry, 2022, , 1.	1.4	0
3	Evolution of the N-Terminal Regulation of Cardiac Troponin I for Heart Function of Tetrapods: Lungfish Presents an Example of the Emergence of Novel Submolecular Structure to Lead the Capacity of Adaptation. Journal of Molecular Evolution, 2022, 90, 30-43.	0.8	4
4	Monoclonal Antibodies as Probes to Study Ligand-Induced Conformations of Troponin Subunits. Frontiers in Physiology, 2022, 13, 828144.	1.3	3
5	The muscle-relaxing C-terminal peptide from troponin I populates a nascent helix, facilitating binding to tropomyosin with a potent therapeutic effect. Journal of Biological Chemistry, 2021, 296, 100228.	1.6	5
6	Mechanisms of Frank-Starling law of the heart and stretch activation in striated muscles may have a common molecular origin. Journal of Muscle Research and Cell Motility, 2021, 42, 355-366.	0.9	11
7	Intestinal Dysbiosis in Young Cystic Fibrosis Rabbits. Journal of Personalized Medicine, 2021, 11, 132.	1.1	6
8	A rapid degradation of calponin 2 is required for cytokinesis. American Journal of Physiology - Cell Physiology, 2021, 321, C355-C368.	2.1	7
9	Troponin Variants as Markers of Skeletal Muscle Health and Diseases. Frontiers in Physiology, 2021, 12, 747214.	1.3	28
10	NH-Terminal Cleavage of Cardiac Troponin I Signals Adaptive Response to Cardiac Stressors. Journal of Cellular Signaling, 2021, 2, 162-171.	0.5	1
11	Rats genetically selected for low and high aerobic capacity exhibit altered soleus muscle myofilament functions. American Journal of Physiology - Cell Physiology, 2020, 318, C422-C429.	2.1	3
12	Evolution of Flight Muscle Contractility and Energetic Efficiency. Frontiers in Physiology, 2020, 11, 1038.	1.3	25
13	The Absence of Calponin 2 in Rabbits Suggests Caution in Choosing Animal Models. Frontiers in Bioengineering and Biotechnology, 2020, 8, 42.	2.0	4
14	The glutamic acid-richâ€“long C-terminal extension of troponin T has a critical role in insect muscle functions. Journal of Biological Chemistry, 2020, 295, 3794-3807.	1.6	10
15	Production of CFTR-Î”F508 Rabbits. Frontiers in Genetics, 2020, 11, 627666.	1.1	7
16	High efficiency preparation of skinned mouse cardiac muscle strips from cryosections for contractility studies. Experimental Physiology, 2020, 105, 1869-1881.	0.9	5
17	Transgenic expression of carbonic anhydrase III in cardiac muscle demonstrates a mechanism to tolerate acidosis. American Journal of Physiology - Cell Physiology, 2019, 317, C922-C931.	2.1	8
18	Downregulation of calponin 2 contributes to the quiescence of lung macrophages. American Journal of Physiology - Cell Physiology, 2019, 317, C749-C761.	2.1	12

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19	The evolutionarily conserved C-terminal peptide of troponin I is an independently configured regulatory structure to function as a myofilament Ca2+-desensitizer. Journal of Molecular and Cellular Cardiology, 2019, 136, 42-52.	0.9	12
20	Current and Future Directions of Myofilament Regulation. Archives of Biochemistry and Biophysics, 2019, 667, 67-69.	1.4	0
21	The loss of slow skeletal muscle isoform of troponin T in spindle intrafusal fibres explains the pathophysiology of Amish nemaline myopathy. Journal of Physiology, 2019, 597, 3999-4012.	1.3	9
22	Compound heterozygosity in PKLR gene for a previously unrecognized intronic polymorphism and a rare missense mutation as a novel cause of severe pyruvate kinase deficiency. Haematologica, 2019, 104, e428-e431.	1.7	8
23	Invertebrate troponin: Insights into the evolution and regulation of striated muscle contraction. Archives of Biochemistry and Biophysics, 2019, 666, 40-45.	1.4	20
24	Double deletion of calponin 1 and calponin 2 in mice decreases systemic blood pressure with blunted length-tension response of aortic smooth muscle. Journal of Molecular and Cellular Cardiology, 2019, 129, 49-57.	0.9	25
25	Cytoskeletal Tropomyosin as a Biomarker in Clostridium difficile Infection. Journal of Clinical Medicine Research, 2019, 11, 98-105.	0.6	1
26	A protocol to study ex vivo mouse working heart at human-like heart rate. Journal of Molecular and Cellular Cardiology, 2018, 114, 175-184.	0.9	7
27	Aerobic Exercise Preconception and During Pregnancy Enhances Oxidative Capacity in the Hindlimb Muscles of Mice Offspring. Journal of Strength and Conditioning Research, 2018, 32, 1391-1403.	1.0	8
28	Calponins Are Recruited to Actinâ€Rich Structures Generated by PathogenicEscherichia coli,Listeria, andSalmonella. Anatomical Record, 2018, 301, 2103-2111.	0.8	3
29	SMYD2 glutathionylation contributes to degradation of sarcomeric proteins. Nature Communications, 2018, 9, 4341.	5.8	27
30	TNNT1 nemaline myopathy: natural history and therapeutic frontier. Human Molecular Genetics, 2018, 27, 3272-3282.	1.4	29
31	Deletion of calponin 2 attenuates the development of calcific aortic valve disease in ApoEâ^'/â^' mice. Journal of Molecular and Cellular Cardiology, 2018, 121, 233-241.	0.9	19
32	Antibody Epitope Analysis to Investigate Folded Structure, Allosteric Conformation, and Evolutionary Lineage of Proteins. Protein and Peptide Letters, 2018, 24, 996-1007.	0.4	1
33	Cardiac troponin T and fast skeletal muscle denervation in ageing. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 808-823.	2.9	25
34	Mechanoregulation of SM22Î±/Transgelin. Biochemistry, 2017, 56, 5526-5538.	1.2	26
35	Increased expression of calponin 2 is a positive prognostic factor in pancreatic ductal adenocarcinoma. Oncotarget, 2017, 8, 56428-56442.	0.8	10
36	Protein Structure-Function Relationship at Work: Learning from Myopathy Mutations of the Slow Skeletal Muscle Isoform of Troponin T. Frontiers in Physiology, 2016, 7, 449.	1.3	15

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37	Carbonic Anhydrase III Is Expressed in Mouse Skeletal Muscles Independent of Fiber Type-Specific Myofilament Protein Isoforms and Plays a Role in Fatigue Resistance. Frontiers in Physiology, 2016, 7, 597.	1.3	10
38	Deletion of calponin 2 in macrophages attenuates the severity of inflammatory arthritis in mice. American Journal of Physiology - Cell Physiology, 2016, 311, C673-C685.	2.1	20
39	Deletion of Calponin 2 in Macrophages is Anti-Inflammatory and Attenuates the Development of Atherosclerosis. Biophysical Journal, 2016, 110, 305a.	0.2	1
40	Calpain inhibition rescues troponin T3 fragmentation, increases Cav1.1 , and enhances skeletal muscle force in aging sedentary mice. Aging Cell, 2016, 15, 488-498.	3.0	25
41	Deletion of calponin 2 in macrophages alters cytoskeleton-based functions and attenuates the development of atherosclerosis. Journal of Molecular and Cellular Cardiology, 2016, 99, 87-99.	0.9	23
42	Deletion of Calponin 2 in Mouse Fibroblasts Increases Myosin II-Dependent Cell Traction Force. Biochemistry, 2016, 55, 6046-6055.	1.2	11
43	Functional Basis of Three New Recessive Mutations of Slow Skeletal Muscle Troponin T Found in Non-Amish TNNT1 Nemaline Myopathies. Biochemistry, 2016, 55, 4560-4567.	1.2	18
44	Evolution, Regulation, and Function of N-terminal Variable Region of Troponin T: Modulation of Muscle Contractility and Beyond. International Review of Cell and Molecular Biology, 2016, 321, 1-28.	1.6	23
45	TNNT1, TNNT2, and TNNT3: Isoform genes, regulation, and structureâ€“function relationships. Gene, 2016, 582, 1-13.	1.0	148
46	TNNI1, TNNI2 and TNNI3: Evolution, regulation, and protein structureâ€“function relationships. Gene, 2016, 576, 385-394.	1.0	83
47	Calponin isoforms CNN 1, CNN 2 and CNN 3: Regulators for actin cytoskeleton functions in smooth muscle and non-muscle cells. Gene, 2016, 585, 143-153.	1.0	128
48	Effect of N-Terminal Extension of Cardiac Troponin I on the Ca²⁺ Regulation of ATP Binding and ADP Dissociation of Myosin II in Native Cardiac Myofibrils. Biochemistry, 2016, 55, 1887-1897.	1.2	10
49	Increases of desmin and Î±-actinin in mouse cardiac myofibrils as a response to diastolic dysfunction. Journal of Molecular and Cellular Cardiology, 2016, 99, 218-229.	0.9	28
50	Slow recovery of the impaired fatigue resistance in postunloading mouse soleus muscle corresponding to decreased mitochondrial function and a compensatory increase in type I slow fibers. American Journal of Physiology - Cell Physiology, 2016, 310, C27-C40.	2.1	22
51	Dysferlin deficiency blunts Î²â€adrenergicâ€dependent lusitropic function of mouse heart. Journal of Physiology, 2015, 593, 5127-5144.	1.3	8
52	h2-calponin Gene Knockout Increases Traction Force of Mouse Fibroblasts in vitro. Biophysical Journal, 2015, 108, 143a.	0.2	2
53	N-Terminal Hypervariable Region of Muscle Type Isoforms of Troponin T Differentially Modulates the Affinity of Tropomyosin-Binding Site 1. Biochemistry, 2015, 54, 3822-3830.	1.2	10
54	In Vivo Analysis of Troponin C Knock-In (A8V) Mice. Circulation: Cardiovascular Genetics, 2015, 8, 653-664.	5.1	32

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55	Distinct conformational and functional effects of two adjacent pathogenic mutations in cardiac troponin I at the interface with troponin T. FEBS Open Bio, 2015, 5, 64-75.	1.0	7
56	NH₂-terminal truncations of cardiac troponin I and cardiac troponin T produce distinct effects on contractility and calcium homeostasis in adult cardiomyocytes. American Journal of Physiology - Cell Physiology, 2015, 308, C397-C404.	2.1	7
57	A Conditional Knockout Mouse Model Reveals That Calponin-3 Is Dispensable for Early B Cell Development. PLoS ONE, 2015, 10, e0128385.	1.1	15
58	The Use of Affinity Tags to Overcome Obstacles in Recombinant Protein Expression and Purification. Protein and Peptide Letters, 2015, 22, 885-892.	0.4	23
59	Mechanoregulation of h2-Calponin Gene Expression and the Role of Notch Signaling. Journal of Biological Chemistry, 2014, 289, 1617-1628.	1.6	21
60	A dominantly negative mutation in cardiac troponin I at the interface with troponin T causes early remodeling in ventricular cardiomyocytes. American Journal of Physiology - Cell Physiology, 2014, 307, C338-C348.	2.1	7
61	Gene regulation, alternative splicing, and posttranslational modification of troponin subunits in cardiac development and adaptation: a focused review. Frontiers in Physiology, 2014, 5, 165.	1.3	43
62	Physiological contractility of cardiomyocytes in the wall of mouse and rat azygos vein. American Journal of Physiology - Cell Physiology, 2014, 306, C697-C704.	2.1	11
63	Abnormal splicing in the N-terminal variable region of cardiac troponin T impairs systolic function of the heart with preserved Frank-Starling compensation. Physiological Reports, 2014, 2, e12139.	0.7	1
64	Time course analysis of mechanical ventilationâ€induced diaphragm contractile muscle dysfunction in the rat. Journal of Physiology, 2014, 592, 3859-3880.	1.3	46
65	Deficiency of slow skeletal muscle troponin T causes atrophy of type I slow fibres and decreases tolerance to fatigue. Journal of Physiology, 2014, 592, 1367-1380.	1.3	30
66	Human Slow Troponin T (TNNT1) Pre-mRNA Alternative Splicing Is an Indicator of Skeletal Muscle Response to Resistance Exercise in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1437-1447.	1.7	20
67	Fas Signaling in Macrophages Promotes Chronicity in K/BxN Serumâ€“Induced Arthritis. Arthritis and Rheumatology, 2014, 66, 68-77.	2.9	13
68	Calponin-h2: a potential serum marker for the early detection of human breast cancer?. Tumor Biology, 2014, 35, 11121-11127.	0.8	8
69	Diminished expression of h2â€calponin in prostate cancer cells promotes cell proliferation, migration and the dependence of cell adhesion on substrate stiffness. FEBS Open Bio, 2014, 4, 627-636.	1.0	35
70	Restrictive cardiomyopathy mutations demonstrate functions of the C-terminal end-segment of troponin I. Archives of Biochemistry and Biophysics, 2014, 552-553, 3-10.	1.4	15
71	Upâ€regulation of alphaâ€smooth muscle actin in cardiomyocytes from nonâ€hypertrophic and nonâ€failing transgenic mouse hearts expressing Nâ€terminal truncated cardiac troponin I. FEBS Open Bio, 2014, 4, 11-17.	1.0	26
72	A novel role of h2-calponin in regulating whole blood thrombosis and platelet adhesion during physiologic flow. Physiological Reports, 2014, 2, e12228.	0.7	14

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73	Discontinuous thoracic venous cardiomyocytes and heart exhibit synchronized developmental switch of troponin isoforms. FEBS Journal, 2013, 280, 880-891.	2.2	17
74	Dose-dependent diastolic dysfunction and early death in a mouse model with cardiac troponin mutations. Journal of Molecular and Cellular Cardiology, 2013, 62, 227-236.	0.9	32
75	N-Terminal Truncated Cardiac Troponin I Enhanced the Contractility of Isolated Cardiomyocytes. Biophysical Journal, 2013, 104, 154a-155a.	0.2	2
76	Myofilament and cytoskeleton proteins: Fine machineries of biological movements. Archives of Biochemistry and Biophysics, 2013, 535, 1-2.	1.4	2
77	Localization and function of XinÎ± in mouse skeletal muscle. American Journal of Physiology - Cell Physiology, 2013, 304, C1002-C1012.	2.1	15
78	Androgen-responsive Serum Response Factor target genes regulate prostate cancer cell migration. Carcinogenesis, 2013, 34, 1737-1746.	1.3	37
79	Chronic coexistence of two troponin T isoforms in adult transgenic mouse cardiomyocytes decreased contractile kinetics and caused dilatative remodeling. American Journal of Physiology - Cell Physiology, 2012, 303, C24-C32.	2.1	15
80	Toad Heart Utilizes Exclusively Slow Skeletal Muscle Troponin T. Journal of Biological Chemistry, 2012, 287, 29753-29764.	1.6	13
81	The heart-specific NH₂-terminal extension regulates the molecular conformation and function of cardiac troponin I. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H923-H933.	1.5	13
82	Improved fatigue resistance in G_sÎ±-deficient and aging mouse skeletal muscles due to adaptive increases in slow fibers. Journal of Applied Physiology, 2011, 111, 834-843.	1.2	13
83	Troponin T isoforms and posttranscriptional modifications: Evolution, regulation and function. Archives of Biochemistry and Biophysics, 2011, 505, 144-154.	1.4	133
84	Structure of the NH2-terminal variable region of cardiac troponin T determines its sensitivity to restrictive cleavage in pathophysiological adaptation. Archives of Biochemistry and Biophysics, 2011, 515, 37-45.	1.4	10
85	Calciumâ€regulated conformational change in the Câ€terminal end segment of troponinâ€ƒI and its binding to tropomyosin. FEBS Journal, 2011, 278, 3348-3359.	2.2	16
86	Disrupted myosin crossâ€bridge cycling kinetics triggers muscle weakness in nebulinâ€related myopathy. FASEB Journal, 2011, 25, 1903-1913.	0.2	51
87	A High-Throughput Solid-Phase Microplate Protein-Binding Assay to Investigate Interactions between Myofilament Proteins. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-8.	3.0	25
88	Mutual Rescues between Two Dominant Negative Mutations in Cardiac Troponin I and Cardiac Troponin T. Journal of Biological Chemistry, 2010, 285, 27806-27816.	1.6	21
89	Removal of the Cardiac Troponin I N-terminal Extension Improves Cardiac Function in Aged Mice. Journal of Biological Chemistry, 2010, 285, 19688-19698.	1.6	40
90	Coexistence of cardiac troponin T variants reduces heart efficiency. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H97-H105.	1.5	27

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91	Correcting diastolic dysfunction by Ca2+ desensitizing troponin in a transgenic mouse model of restrictive cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2010, 49, 402-411.	0.9	65
92	Localization of the two tropomyosin-binding sites of troponin T. Archives of Biochemistry and Biophysics, 2010, 500, 144-150.	1.4	88
93	Disruption of Protein Kinase A Interaction with A-kinase-anchoring Proteins in the Heart in Vivo. Journal of Biological Chemistry, 2009, 284, 1583-1592.	1.6	59
94	Deletion of a Genomic Segment Containing the Cardiac Troponin I Gene Knocks Down Expression of the Slow Troponin T Gene and Impairs Fatigue Tolerance of Diaphragm Muscle. Journal of Biological Chemistry, 2009, 284, 31798-31806.	1.6	32
95	Nonmyofilament-associated troponin T fragments induce apoptosis. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H283-H292.	1.5	16
96	To Investigate Protein Evolution by Detecting Suppressed Epitope Structures. Journal of Molecular Evolution, 2009, 68, 448-460.	0.8	42
97	Phosphorylation of cardiac troponin I by mammalian sterile 20-like kinase 1. Biochemical Journal, 2009, 418, 93-101.	1.7	33
98	Myofilament incorporation determines the stoichiometry of troponin I in transgenic expression and the rescue of a null mutation. Archives of Biochemistry and Biophysics, 2009, 487, 36-41.	1.4	28
99	Calponin in Non-Muscle Cells. Cell Biochemistry and Biophysics, 2008, 52, 139-148.	0.9	55
100	Restricted Nâ€terminal truncation of cardiac troponin T: a novel mechanism for functional adaptation to energetic crisis. Journal of Physiology, 2008, 586, 3537-3550.	1.3	55
101	Role of H2-calponin in Regulating Macrophage Motility and Phagocytosis. Journal of Biological Chemistry, 2008, 283, 25887-25899.	1.6	59
102	Impaired relaxation is the main manifestation in transgenic mice expressing a restrictive cardiomyopathy mutation, R193H, in cardiac TnI. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2604-H2613.	1.5	66
103	Co-expression of skeletal and cardiac troponin T decreases mouse cardiac function. American Journal of Physiology - Cell Physiology, 2008, 294, C213-C222.	2.1	29
104	Adaptation by alternative RNA splicing of slow troponin T isoforms in type 1 but not type 2 Charcot-Marie-Tooth disease. American Journal of Physiology - Cell Physiology, 2008, 295, C722-C731.	2.1	14
105	Removal of the N-terminal Extension of Cardiac Troponin I as a Functional Compensation for Impaired Myocardial Î²-Adrenergic Signaling. Journal of Biological Chemistry, 2008, 283, 33384-33393.	1.6	39
106	Isoform Diversity, Regulation, and Functional Adaptation of Troponin and Calponin. Critical Reviews in Eukaryotic Gene Expression, 2008, 18, 93-124.	0.4	108
107	Differential regulation of myofilament protein isoforms underlying the contractility changes in skeletal muscle unloading. American Journal of Physiology - Cell Physiology, 2007, 292, C1192-C1203.	2.1	58
108	Troponin T Core Structure and the Regulatory NH2-Terminal Variable Regionâ€. Biochemistry, 2007, 46, 1368-1379.	1.2	45

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109	Microtiter plate monoclonal antibody epitope analysis of Ca2+- and Mg2+-induced conformational changes in troponin C. Archives of Biochemistry and Biophysics, 2007, 466, 1-7.	1.4	14
110	Cytoskeletal Tension Regulates Both Expression and Degradation of h2-Calponin in Lung Alveolar Cellsâ€. Biochemistry, 2006, 45, 15670-15683.	1.2	40
111	Selective Deletion of the NH2-Terminal Variable Region of Cardiac Troponin T in Ischemia Reperfusion by Myofibril-Associated Î¼-Calpain Cleavageâ€. Biochemistry, 2006, 45, 11681-11694.	1.2	85
112	Coupled expression of troponin T and troponin I isoforms in single skeletal muscle fibers correlates with contractility. American Journal of Physiology - Cell Physiology, 2006, 290, C567-C576.	2.1	61
113	A Critical Role for Calponin 2 in Vascular Development. Journal of Biological Chemistry, 2006, 281, 6664-6672.	1.6	55
114	Cellular Fate of Truncated Slow Skeletal Muscle Troponin T Produced by Glu180 Nonsense Mutation in Amish Nemaline Myopathy. Journal of Biological Chemistry, 2005, 280, 13241-13249.	1.6	39
115	h2-calponin Is Regulated by Mechanical Tension and Modifies the Function of Actin Cytoskeleton. Journal of Biological Chemistry, 2005, 280, 42442-42453.	1.6	55
116	Proteolytic N-terminal Truncation of Cardiac Troponin I Enhances Ventricular Diastolic Function. Journal of Biological Chemistry, 2005, 280, 6602-6609.	1.6	58
117	An R111C Polymorphism in Wild Turkey Cardiac Troponin I Accompanying the Dilated Cardiomyopathy-related Abnormal Splicing Variant of Cardiac Troponin T with Potentially Compensatory Effects. Journal of Biological Chemistry, 2004, 279, 13825-13832.	1.6	31
118	Binding of Calcium Ions to an Avian Flight Muscle Troponin Tâ€. Biochemistry, 2004, 43, 2645-2655.	1.2	20
119	Troponin T isoforms alter the tolerance of transgenic mouse cardiac muscle to acidosis. Archives of Biochemistry and Biophysics, 2004, 430, 178-184.	1.4	18
120	Expression and purification of the h1 and h2 isoforms of calponin. Protein Expression and Purification, 2003, 31, 231-239.	0.6	14
121	Truncation by Glu180 Nonsense Mutation Results in Complete Loss of Slow Skeletal Muscle Troponin T in a Lethal Nemaline Myopathy. Journal of Biological Chemistry, 2003, 278, 26159-26165.	1.6	72
122	Developmentally regulated expression of calponin isoforms and the effect of h2-calponin on cell proliferation. American Journal of Physiology - Cell Physiology, 2003, 284, C156-C167.	2.1	75
123	Cardiac Troponin T Variants Produced by Aberrant Splicing of Multiple Exons in Animals with High Instances of Dilated Cardiomyopathy. Journal of Biological Chemistry, 2002, 277, 50275-50285.	1.6	66
124	Exon Skipping in Cardiac Troponin T of Turkeys with Inherited Dilated Cardiomyopathy. Journal of Biological Chemistry, 2002, 277, 18459-18468.	1.6	46
125	A Proteolytic NH2-terminal Truncation of Cardiac Troponin I That Is Up-regulated in Simulated Microgravity. Journal of Biological Chemistry, 2001, 276, 15753-15760.	1.6	70
126	Transgenic incorporation of skeletal TnT into cardiac myofilaments blunts PKC-mediated depression of force. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1011-H1018.	1.5	42

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127	The Highly Conserved COOH Terminus of Troponin I Forms a Ca2+-Modulated Allosteric Domain in the Troponin Complex. Biochemistry, 2001, 40, 2623-2631.	1.2	75
128	Evolution of a Metal-Binding Cluster in the NH2-Terminal Variable Region of Avian Fast Skeletal Muscle Troponin T: Functional Divergence on the Basis of Tolerance to Structural Drifting. Journal of Molecular Evolution, 2001, 52, 103-116.	0.8	16
129	Hypoxia/fatigue-induced degradation of troponin I and troponin C: new insights into physiologic muscle fatigue. Pflugers Archiv European Journal of Physiology, 2001, 442, 738-744.	1.3	49
130	Comparative studies on the expression patterns of threetroponin T genes during mouse development. The Anatomical Record, 2001, 263, 72-84.	2.3	62
131	A role for serine-175 in modulating the molecular conformation of calponin. Biochemical Journal, 2000, 350, 579.	1.7	19
132	A role for serine-175 in modulating the molecular conformation of calponin. Biochemical Journal, 2000, 350, 579-588.	1.7	34
133	The maximal velocity of vascular smooth muscle shortening is independent of the expression of calponin. Journal of Muscle Research and Cell Motility, 2000, 21, 367-373.	0.9	16
134	Conformational modulation of slow skeletal muscle troponin T by an NH₂-terminal metal-binding extension. American Journal of Physiology - Cell Physiology, 2000, 279, C1067-C1077.	2.1	53
135	Modulation of Troponin T Molecular Conformation and Flexibility by Metal Ion Binding to the NH2-Terminal Variable Regionâ€. Biochemistry, 2000, 39, 11702-11713.	1.2	44
136	Acidic and basic troponin T isoforms in mature fast-twitch skeletal muscle and effect on contractility. American Journal of Physiology - Cell Physiology, 1999, 276, C1162-C1170.	2.1	77
137	Fast skeletal muscle troponin T increases the cooperativity of transgenic mouse cardiac muscle contraction. Journal of Physiology, 1999, 520, 231-242.	1.3	36
138	Preserved Close Linkage Between the Genes Encoding Troponin I and Troponin T, Reflecting an Evolution of Adapter Proteins Coupling the Ca2+ Signaling of Contractility. Journal of Molecular Evolution, 1999, 49, 780-788.	0.8	25
139	Genomic sequence and structural organization of mouse slow skeletal muscle troponin T gene. Gene, 1999, 229, 1-10.	1.0	56
140	h1- and h2-calponins are not essential for norepinephrine- or sodium fluoride-induced contraction of rat aortic smooth muscle. Journal of Muscle Research and Cell Motility, 1998, 19, 695-703.	0.9	32
141	Three alternatively spliced mouse slow skeletal muscle troponin T isoforms: conserved primary structure and regulated expression during postnatal development. Gene, 1998, 214, 121-129.	1.0	68
142	Developmentally Regulated Muscle Type-Specific Alternative Splicing of the COOH-Terminal Variable Region of Fast Skeletal Muscle Troponin T and an Aberrant Splicing Pathway to Encode a Mutant COOH-Terminus. Biochemical and Biophysical Research Communications, 1998, 242, 540-544.	1.0	20
143	Conformational Modulation of Troponin T by Configuration of the NH2-Terminal Variable Region and Functional Effectsâ€. Biochemistry, 1998, 37, 14519-14528.	1.2	78
144	Titin Extensibility In Situ: Entropic Elasticity of Permanently Folded and Permanently Unfolded Molecular Segments. Journal of Cell Biology, 1998, 140, 853-859.	2.3	238

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145	Developmentally Regulated, Alternative RNA Splicing-generated Pectoral Muscle-specific Troponin T Isoforms and Role of the NH2-terminal Hypervariable Region in the Tolerance to Acidosis. Journal of Biological Chemistry, 1998, 273, 27858-27866.	1.6	44
146	Primary structure and developmental acidic to basic transition of 13 alternatively spliced mouse fast skeletal muscle troponin T isoforms. Gene, 1997, 193, 105-114.	1.0	82
147	Expression, Zinc-Affinity Purification, and Characterization of a Novel Metal-Binding Cluster in Troponin T:Â Metal-Stabilized Î±-Helical Structure and Effects of the NH2-Terminal Variable Region on the Conformation of Intact Troponin T and Its Association with Tropomyosinâ€. Biochemistry, 1996, 35, 16581-16590.	1.2	42
148	Expression of cDNAs encoding mouse cardiac troponin T isoforms: characterization of a large sample of independent clones. Gene, 1996, 168, 217-221.	1.0	47
149	Complete Nucleotide Sequence, Structural Organization, and an Alternatively Spliced Exon of Museh1-Calponin Gene. Biochemical and Biophysical Research Communications, 1996, 218, 292-297.	1.0	22
150	Alternative RNA Splicing-Generated Cardiac Troponin T Isoform Switching: A Non-Heart-Restricted Genetic Programming Synchronized in Developing Cardiac and Skeletal Muscles. Biochemical and Biophysical Research Communications, 1996, 225, 883-889.	1.0	62
151	Expression and epitopic conservation of calponin in different smooth muscles and during development. Biochemistry and Cell Biology, 1996, 74, 187-196.	0.9	36
152	Structure-Function Relations of Smooth Muscle Calponin. Journal of Biological Chemistry, 1996, 271, 8605-8611.	1.6	48
153	Cloned Rat Cardiac Titin Class I and Class II Motifs. Journal of Biological Chemistry, 1995, 270, 6908-6916.	1.6	65
154	An unusual metal-binding cluster found exclusively in the avian breast muscle troponin T ofGalliformesandCraciformes. FEBS Letters, 1994, 341, 135-140.	1.3	32
155	Complete nucleotide sequence and structural organization of rat cardiac troponin T gene. Journal of Molecular Biology, 1992, 227, 1269-1276.	2.0	99
156	Monoclonal Antibodies Against Cardiac Myosin Heavy Chain. Hybridoma, 1990, 9, 597-608.	0.9	26