

Margaret V Westfall

List of Publications by Year in descending order

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40
papers

1,826
citations

430874

18
h-index

395702

33
g-index

40
all docs

40
docs citations

40
times ranked

2129
citing authors

#	ARTICLE	IF	CITATIONS
1	PKC- ζ regulates cardiac contractility and propensity toward heart failure. <i>Nature Medicine</i> , 2004, 10, 248-254.	30.7	551
2	Covalent and Noncovalent Modification of Thin Filament Action. <i>Circulation Research</i> , 2004, 94, 146-158.	4.5	164
3	Histidine button engineered into cardiac troponin I protects the ischemic and failing heart. <i>Nature Medicine</i> , 2006, 12, 181-189.	30.7	98
4	Calcitriol modulation of cardiac contractile performance via protein kinase C. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 350-359.	1.9	89
5	Effects of Myosin Heavy Chain Isoform Switching on Ca ²⁺ -Activated Tension Development in Single Adult Cardiac Myocytes. <i>Circulation Research</i> , 1999, 84, 1310-1317.	4.5	83
6	Sarcomere Mutation-Specific Expression Patterns in Human Hypertrophic Cardiomyopathy. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 434-443.	5.1	82
7	Ultrastructure and cell-cell coupling of cardiac myocytes differentiating in embryonic stem cell cultures. , 1997, 36, 43-54.		71
8	Myosin Heavy Chain Expression in Contracting Myocytes Isolated During Embryonic Stem Cell Cardiogenesis. <i>Circulation Research</i> , 1995, 76, 710-719.	4.5	61
9	Chimera Analysis of Troponin I Domains That Influence Ca ²⁺ -Activated Myofilament Tension in Adult Cardiac Myocytes. <i>Circulation Research</i> , 2000, 86, 470-477.	4.5	56
10	Myofilament Calcium Sensitivity and Cardiac Disease. <i>Circulation Research</i> , 2002, 91, 525-531.	4.5	55
11	Chapter 15 Adenovirus-Mediated Myofilament Gene Transfer into Adult Cardiac Myocytes. <i>Methods in Cell Biology</i> , 1997, 52, 307-322.	1.1	54
12	Designing Heart Performance by Gene Transfer. <i>Physiological Reviews</i> , 2008, 88, 1567-1651.	28.8	52
13	Troponin I isoform expression is developmentally regulated in differentiating embryonic stem cell-derived cardiac myocytes. , 1996, 206, 24-38.		40
14	Stability of the contractile assembly and Ca ²⁺ -activated tension in adenovirus infected adult cardiac myocytes. <i>Molecular and Cellular Biochemistry</i> , 1998, 181, 143-155.	3.1	36
15	Functional Analysis of Troponin I Regulatory Domains in the Intact Myofilament of Adult Single Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 1999, 274, 22508-22516.	3.4	36
16	Role of Troponin I Phosphorylation in Protein Kinase C-mediated Enhanced Contractile Performance of Rat Myocytes. <i>Journal of Biological Chemistry</i> , 2003, 278, 33694-33700.	3.4	35
17	Single amino acid substitutions define isoform-specific effects of troponin I on myofilament Ca ²⁺ and pH sensitivity. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 107-118.	1.9	35
18	Differential protein expression and basal lamina remodeling in human heart failure. <i>Proteomics - Clinical Applications</i> , 2016, 10, 585-596.	1.6	35

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19	Troponin I chimera analysis of the cardiac myofilament tension response to protein kinase A. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C324-C332.	4.6	31
20	Differential Contribution of Troponin I Phosphorylation Sites to the Endothelin-modulated Contractile Response. <i>Journal of Biological Chemistry</i> , 2005, 280, 41324-41331.	3.4	25
21	Troponin I modulation of cardiac performance: Plasticity in the survival switch. <i>Archives of Biochemistry and Biophysics</i> , 2019, 664, 9-14.	3.0	15
22	Gene transfer into mouse embryonic stem cell-derived cardiac myocytes mediated by recombinant adenovirus. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1997, 33, 270-276.	1.5	14
23	Troponin I Isoforms and Chimeras: Tuning the Molecular Switch of Cardiac Contraction. <i>Physiology</i> , 2001, 16, 278-281.	3.1	14
24	Independent modulation of contractile performance by cardiac troponin I Ser43 and Ser45 in the dynamic sarcomere. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 264-274.	1.9	14
25	PKC β II modulation of myocyte contractile performance. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 176-186.	1.9	12
26	Cardiac contractile dysfunction and protein kinase C α -mediated myofilament phosphorylation in disease and aging. <i>Journal of General Physiology</i> , 2019, 151, 1070-1080.	1.9	11
27	Structure-Activity Studies of RFamide-Related Peptide-1 Identify a Functional Receptor Antagonist and Novel Cardiac Myocyte Signaling Pathway Involved in Contractile Performance. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7736-7745.	6.4	10
28	Myofilament incorporation and contractile function after gene transfer of cardiac troponin I Ser43/45Ala. <i>Archives of Biochemistry and Biophysics</i> , 2013, 535, 49-55.	3.0	10
29	Functional communication between PKC-targeted cardiac troponin I phosphorylation sites. <i>Archives of Biochemistry and Biophysics</i> , 2017, 627, 1-9.	3.0	8
30	Agonist Activated PKC β II Translocation and Modulation of Cardiac Myocyte Contractile Function. <i>Scientific Reports</i> , 2013, 3, 1971.	3.3	6
31	Gene Transfer of Troponin I Isoforms, Mutants, and Chimeras. <i>Advances in Experimental Medicine and Biology</i> , 2003, 538, 169-174.	1.6	5
32	Gene Transfer into Cardiac Myocytes. <i>Methods in Molecular Biology</i> , 2015, 1299, 177-190.	0.9	5
33	Contribution of Post-translational Phosphorylation to Sarcomere-Linked Cardiomyopathy Phenotypes. <i>Frontiers in Physiology</i> , 2016, 7, 407.	2.8	4
34	Myofilament Protein Phosphorylation by PKC in Genetically Engineered Adult Cardiac Myocytes. , 2003, 219, 159-166.		3
35	Ultrastructure and cell-cell coupling of cardiac myocytes differentiating in embryonic stem cell cultures. <i>Cytoskeleton</i> , 1997, 36, 43-54.	4.4	3
36	Functionally conservative substitutions at cardiac troponin I S43/45. <i>Archives of Biochemistry and Biophysics</i> , 2016, 601, 42-47.	3.0	2

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37	The art of the deal in myofilament modulation of function. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 238-240.	1.9	1
38	Secondary phosphorylation in myocytes expressing FLAG-tagged and non-tagged phospho-mimetic cardiac troponin I. <i>Data in Brief</i> , 2017, 15, 562-566.	1.0	0
39	Obscurin and titin as interacting partners during cardiac differentiation and remodeling. <i>FASEB Journal</i> , 2008, 22, 386.5.	0.5	0
40	Independent modulation of contractile function by cardiac troponin I Ser43 or Ser45. <i>FASEB Journal</i> , 2013, 27, 1184.9.	0.5	0