Yi Zhu

List of Publications by Citations

10 papers	677 citations	8 h-index	11 g-index
11 ext. papers	825 ext. citations	8.1 avg, IF	3.14 L-index

#	Paper	IF	Citations
10	Short communication: vascular smooth muscle cell stiffness as a mechanism for increased aortic stiffness with aging. *Circulation Research*, **2010**, 107, 615-9	15.7	219
9	PKC phosphorylation of titin's PEVK element: a novel and conserved pathway for modulating myocardial stiffness. *Circulation Research*, **2009**, 105, 631-8, 17 p following 638	15.7	191
8	Increased vascular smooth muscle cell stiffness: a novel mechanism for aortic stiffness in hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 305, H1281-7	5.2	116
7	Temporal analysis of vascular smooth muscle cell elasticity and adhesion reveals oscillation waveforms that differ with aging. *Aging Cell*, **2012**, 11, 741-50	9.9	60
6	Single molecule force spectroscopy of the cardiac titin N2B element: effects of the molecular chaperone alphaB-crystallin with disease-causing mutations. *Journal of Biological Chemistry*, **2009**, 284, 13914-13923	5.4	41
5	Calcium in Vascular Smooth Muscle Cell Elasticity and Adhesion: Novel Insights Into the Mechanism of Action. *Frontiers in Physiology*, **2019**, 10, 852	4.6	17
4	Atomic force microscopy studies on DNA structural changes induced by vincristine sulfate and aspirin. *Microscopy and Microanalysis*, **2004**, 10, 286-90	0.5	13
3	Stiff matrix instigates type I collagen biogenesis by mammalian cleavage factor I complex-mediated alternative polyadenylation. *JCI Insight*, **2020**, 5,	9.9	8
2	Targeting mechanosensitive MDM4 promotes lung fibrosis resolution in aged mice. *Journal of Experimental Medicine*, **2021**, 218,	16.6	6
1	Regulation of Vascular Smooth Muscle Cell Stiffness and Adhesion by [Ca2+]i: An Atomic Force Microscopy-Based Study. *Microscopy and Microanalysis*, **2018**, 24, 708-712	0.5	5