

Andreea Trache

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3387000/publications.pdf>

Version: 2024-02-01

39
papers

881
citations

471509

17
h-index

526287

27
g-index

42
all docs

42
docs citations

42
times ranked

1190
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging Alters Integrin-mediated Vascular Smooth Muscle Function in Soleus Feed Arteries. FASEB Journal, 2022, 36, .	0.5	0
2	Effects of Aging on Integrin-mediated Vascular Smooth Muscle Contractility in Soleus Muscle Feed Arteries. FASEB Journal, 2021, 35, .	0.5	0
3	Vascular smooth muscle stiffness and its role in aging. Current Topics in Membranes, 2020, 86, 217-253.	0.9	7
4	Tensile force-induced cytoskeletal remodeling: Mechanics before chemistry. PLoS Computational Biology, 2020, 16, e1007693.	3.2	15
5	Loss of smooth muscle β -actin effects on mechanosensing and cell-matrix adhesions. Experimental Biology and Medicine, 2020, 245, 374-384.	2.4	13
6	Tensile force-induced cytoskeletal remodeling: Mechanics before chemistry. , 2020, 16, e1007693.		0
7	Tensile force-induced cytoskeletal remodeling: Mechanics before chemistry. , 2020, 16, e1007693.		0
8	Tensile force-induced cytoskeletal remodeling: Mechanics before chemistry. , 2020, 16, e1007693.		0
9	Tensile force-induced cytoskeletal remodeling: Mechanics before chemistry. , 2020, 16, e1007693.		0
10	Integrin-mediated Vasoconstrictor Function Declines with Age in Skeletal Muscle Resistance Arteries. FASEB Journal, 2019, 33, 518.4.	0.5	0
11	Importance of mechanical signals in promoting exercise-induced improvements in vasomotor function of aged skeletal muscle resistance arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H602-H609.	3.2	2
12	Applications of Atomic Force Microscopy for Adhesion Force Measurements in Mechanotransduction. Methods in Molecular Biology, 2018, 1814, 515-528.	0.9	5
13	Vascular Smooth Muscle Contractile Function Declines With Age in Skeletal Muscle Feed Arteries. Frontiers in Physiology, 2018, 9, 856.	2.8	27
14	Effect of aging on Rho-kinase activity and vascular smooth muscle contractility in skeletal muscle resistance arteries. FASEB Journal, 2018, 32, 705.8.	0.5	0
15	Short-term increases in pressure and shear stress attenuate age-related declines in endothelial function in skeletal muscle feed arteries. European Journal of Applied Physiology, 2016, 116, 1305-1311.	2.5	4
16	Short-duration increases in intraluminal pressure improve vasoconstrictor responses in aged skeletal muscle feed arteries. European Journal of Applied Physiology, 2016, 116, 931-937.	2.5	6
17	Selective regulation of cytoskeletal tension and cell-matrix adhesion by RhoA and Src. Integrative Biology (United Kingdom), 2014, 6, 743.	1.3	22
18	Smooth muscle hyperplasia due to loss of smooth muscle β -actin is driven by activation of focal adhesion kinase, altered p53 localization and increased levels of platelet-derived growth factor receptor- β . Human Molecular Genetics, 2013, 22, 3123-3137.	2.9	37

#	ARTICLE	IF	CITATIONS
19	Nck enables directional cell migration through the coordination of polarized membrane protrusion with adhesion dynamics. <i>Journal of Cell Science</i> , 2013, 126, 1637-49.	2.0	43
20	RhoA-induced cytoskeletal tension controls adaptive cellular remodeling to mechanical signaling. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 615-627.	1.3	40
21	Regional Atherosclerotic Plaque Properties in ApoE ^{-/-} Mice Quantified by Atomic Force, Immunofluorescence, and Light Microscopy. <i>Journal of Vascular Research</i> , 2011, 48, 495-504.	1.4	42
22	Mg ²⁺ modulates integrin ^{α5β1} extracellular matrix interaction in vascular smooth muscle cells studied by atomic force microscopy. <i>Journal of Molecular Recognition</i> , 2010, 23, 316-321.	2.1	14
23	Live Cell Response to Mechanical Stimulation Studied by Integrated Optical and Atomic Force Microscopy. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	14
24	Extracellular matrix effect on RhoA signaling modulation in vascular smooth muscle cells. <i>Experimental Cell Research</i> , 2010, 316, 2833-2848.	2.6	27
25	Integrated microscopy for real-time imaging of mechanotransduction studies in live cells. <i>Journal of Biomedical Optics</i> , 2009, 14, 034024.	2.6	42
26	Time-dependent Changes in Smooth Muscle Cell Stiffness and Focal Adhesion Area in Response to Cyclic Equibiaxial Stretch. <i>Annals of Biomedical Engineering</i> , 2008, 36, 369-380.	2.5	59
27	Total Internal Reflection Fluorescence (TIRF) Microscopy. <i>Current Protocols in Microbiology</i> , 2008, 10, Unit 2A.2.1-2A.2.22.	6.5	26
28	Atomic Force Microscopy (AFM). <i>Current Protocols in Microbiology</i> , 2008, 8, Unit 2C.2.	6.5	36
29	Integrated Imaging Techniques Applied to Live Cell Biophysics. , 2007, , .		0
30	Quantification and Confocal Imaging of Protein Specific Molecularly Imprinted Polymers. <i>Biomacromolecules</i> , 2006, 7, 2560-2564.	5.4	53
31	Use of surface-enhanced Raman spectroscopy for the detection of human integrins. <i>Journal of Biomedical Optics</i> , 2006, 11, 024004.	2.6	33
32	Integrins and Regulation of the Microcirculation: From Arterioles to Molecular Studies using Atomic Force Microscopy. <i>Microcirculation</i> , 2005, 12, 99-112.	1.8	49
33	Mechanical properties of the interaction between fibronectin and $\alpha5\beta1$ -integrin on vascular smooth muscle cells studied using atomic force microscopy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2526-H2535.	3.2	132
34	Atomic force-multi-optical imaging integrated microscope for monitoring molecular dynamics in live cells. <i>Journal of Biomedical Optics</i> , 2005, 10, 064023.	2.6	47
35	Histamine Effects on Endothelial Cell Fibronectin Interaction Studied by Atomic Force Microscopy. <i>Biophysical Journal</i> , 2005, 89, 2888-2898.	0.5	69
36	Measurements of the Cross-Bridge Attachment/Detachment Process within Intact Sarcomeres by Surface Plasmon Resonance. <i>Biochemistry</i> , 2001, 40, 13915-13924.	2.5	11

#	ARTICLE	IF	CITATIONS
37	Solutions of single-layer synthesis with symmetrical three-layer periods. , 1998, , .		0
38	Interferential filter design with continuously variable refractive index. , 1998, , .		1
39	Age-Associated Dysregulation of Integrin Function in Vascular Smooth Muscle. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	5