

Alisa Clyne

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

907
citations

12
h-index

25
g-index

25
ext. papers

1,014
ext. citations

4.9
avg, IF

4.74
L-index

#	Paper	IF	Citations
24	Endothelial cell proliferation is enhanced by low dose non-thermal plasma through fibroblast growth factor-2 release. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 748-57	4.7	222
23	Dextran and polymer polyethylene glycol (PEG) coating reduce both 5 and 30 nm iron oxide nanoparticle cytotoxicity in 2D and 3D cell culture. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 5554-70	6.3	217
22	Superparamagnetic iron oxide nanoparticles change endothelial cell morphology and mechanics via reactive oxygen species formation. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 96, 186-95	5.4	131
21	Hydroxyl Radical and Hydrogen Peroxide are Primarily Responsible for Dielectric Barrier Discharge Plasma-Induced Angiogenesis. <i>Plasma Processes and Polymers</i> , 2011 , 8, 1154-1164	3.4	66
20	Hypo- and hyperglycemia impair endothelial cell actin alignment and nitric oxide synthase activation in response to shear stress. <i>PLoS ONE</i> , 2013 , 8, e66176	3.7	44
19	Glycated collagen alters endothelial cell actin alignment and nitric oxide release in response to fluid shear stress. <i>Journal of Biomechanics</i> , 2011 , 44, 1927-35	2.9	43
18	Endothelial directed collective migration depends on substrate stiffness via localized myosin contractility and cell-matrix interactions. <i>Journal of Biomechanics</i> , 2016 , 49, 1369-1380	2.9	28
17	An inverted dielectrophoretic device for analysis of attached single cell mechanics. <i>Lab on A Chip</i> , 2016 , 16, 561-73	7.2	20
16	Sex differences in the blood-brain barrier and neurodegenerative diseases. <i>APL Bioengineering</i> , 2021 , 5, 011509	6.6	19
15	Biofabrication strategies for creating microvascular complexity. <i>Biofabrication</i> , 2019 , 11, 032001	10.5	18
14	A simplified implementation of edge detection in MATLAB is faster and more sensitive than fast fourier transform for actin fiber alignment quantification. <i>Microscopy and Microanalysis</i> , 2011 , 17, 156-66 ^{0.5}		18
13	Elevated fibroblast growth factor-2 increases tumor necrosis factor-alpha induced endothelial cell death in high glucose. <i>Journal of Cellular Physiology</i> , 2008 , 217, 86-92	7	15
12	Glycated collagen and altered glucose increase endothelial cell adhesion strength. <i>Journal of Cellular Physiology</i> , 2013 , 228, 1727-36	7	12
11	Glycated collagen decreased endothelial cell fibronectin alignment in response to cyclic stretch via interruption of actin alignment. <i>Journal of Biomechanical Engineering</i> , 2014 , 136, 101010	2.1	9
10	Glycated Collagen Impairs Endothelial Cell Response to Cyclic Stretch. <i>Cellular and Molecular Bioengineering</i> , 2011 , 4, 220-230	3.9	9
9	A computational model of fibroblast growth factor-2 binding to endothelial cells under fluid flow. <i>Annals of Biomedical Engineering</i> , 2013 , 41, 154-71	4.7	8
8	Vascular Endothelial-Breast Epithelial Cell Coculture Model Created from 3D Cell Structures. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2999-3006	5.5	6

7	Stiff Substrates Enhance Endothelial Oxidative Stress in Response to Protein Kinase C Activation. <i>Applied Bionics and Biomechanics</i> , 2019 , 2019, 6578492	1.6	6
6	Endothelial response to glucose: dysfunction, metabolism, and transport. <i>Biochemical Society Transactions</i> , 2021 , 49, 313-325	5.1	5
5	Fluid Shear Stress and Fibroblast Growth Factor-2 Increase Endothelial Cell-Associated Vitronectin. <i>Applied Bionics and Biomechanics</i> , 2017 , 2017, 9040161	1.6	3
4	Laminar Flow on Endothelial Cells Suppresses eNOS O-GlcNAcylation to Promote eNOS Activity. <i>Circulation Research</i> , 2021 , 129, 1054-1066	15.7	3
3	C Metabolic Flux Analysis Indicates Endothelial Cells Attenuate Metabolic Perturbations by Modulating TCA Activity. <i>Metabolites</i> , 2021 , 11,	5.6	2
2	A simple method to align cells on 3D hydrogels using 3D printed molds. <i>Biomedical Engineering Advances</i> , 2021 , 1, 100001		2
1	Fibroblast growth factor-2 did not restore plasminogen system activity in endothelial cells on glycated collagen. <i>Biochemistry and Biophysics Reports</i> , 2015 , 4, 104-110	2.2	1