

Alisa Clyne

List of Publications by Year in descending order

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25
papers

1,168
citations

623188

14
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

2386
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 748-757.	1.3	275
2	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, 5554-5570.	1.8	252
3	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, 96A, 186-195.	2.1	154
4	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.	1.6	80
5	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.	1.1	55
6	Glycated collagen alters endothelial cell actin alignment and nitric oxide release in response to fluid shear stress. <i>Journal of Biomechanics</i> , 2011, 44, 1927-1935.	0.9	48
7	Sex differences in the blood-brain barrier and neurodegenerative diseases. <i>APL Bioengineering</i> , 2021, 5, 011509.	3.3	46
8	Endothelial response to glucose: dysfunction, metabolism, and transport. <i>Biochemical Society Transactions</i> , 2021, 49, 313-325.	1.6	37
9	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.	0.9	31
10	An inverted dielectrophoretic device for analysis of attached single cell mechanics. <i>Lab on A Chip</i> , 2016, 16, 561-573.	3.1	30
11	Biofabrication strategies for creating microvascular complexity. <i>Biofabrication</i> , 2019, 11, 032001.	3.7	30
12	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, 156-166.	0.2	19
13	Elevated fibroblast growth factor-2 increases tumor necrosis factor- α induced endothelial cell death in high glucose. <i>Journal of Cellular Physiology</i> , 2008, 217, 86-92.	2.0	17
14	Glycated collagen and altered glucose increase endothelial cell adhesion strength. <i>Journal of Cellular Physiology</i> , 2013, 228, 1727-1736.	2.0	14
15	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.	0.6	12
16	¹³ C Metabolic Flux Analysis Indicates Endothelial Cells Attenuate Metabolic Perturbations by Modulating TCA Activity. <i>Metabolites</i> , 2021, 11, 226.	1.3	12
17	Laminar Flow on Endothelial Cells Suppresses eNOS O-GlcNAcylation to Promote eNOS Activity. <i>Circulation Research</i> , 2021, 129, 1054-1066.	2.0	11
18	Glycated Collagen Impairs Endothelial Cell Response to Cyclic Stretch. <i>Cellular and Molecular Bioengineering</i> , 2011, 4, 220-230.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Vascular Endothelialâ€“Breast Epithelial Cell Coculture Model Created from 3D Cell Structures. ACS Biomaterials Science and Engineering, 2017, 3, 2999-3006.	2.6	9
20	A Computational Model of Fibroblast Growth Factor-2 Binding to Endothelial Cells Under Fluid Flow. Annals of Biomedical Engineering, 2013, 41, 154-171.	1.3	8
21	Stiff Substrates Enhance Endothelial Oxidative Stress in Response to Protein Kinase C Activation. Applied Bionics and Biomechanics, 2019, 2019, 1-14.	0.5	8
22	A simple method to align cells on 3D hydrogels using 3D printed molds. Biomedical Engineering Advances, 2021, 1, 100001.	2.2	5
23	Fluid Shear Stress and Fibroblast Growth Factor-2 Increase Endothelial Cell-Associated Vitronectin. Applied Bionics and Biomechanics, 2017, 2017, 1-12.	0.5	4
24	Fibroblast growth factor-2 did not restore plasminogen system activity in endothelial cells on glycated collagen. Biochemistry and Biophysics Reports, 2015, 4, 104-110.	0.7	1
25	Cellâ€“Substrate Interactions. , 2015, , 83-98.		0