

Alisa Clyne

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8359863/publications.pdf>

Version: 2024-02-01

25
papers

1,168
citations

623734

14
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

2386
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial response to glucose: dysfunction, metabolism, and transport. <i>Biochemical Society Transactions</i> , 2021, 49, 313-325.	3.4	37
2	Sex differences in the blood-brain barrier and neurodegenerative diseases. <i>APL Bioengineering</i> , 2021, 5, 011509.	6.2	46
3	¹³ C Metabolic Flux Analysis Indicates Endothelial Cells Attenuate Metabolic Perturbations by Modulating TCA Activity. <i>Metabolites</i> , 2021, 11, 226.	2.9	12
4	A simple method to align cells on 3D hydrogels using 3D printed molds. <i>Biomedical Engineering Advances</i> , 2021, 1, 100001.	3.8	5
5	Laminar Flow on Endothelial Cells Suppresses eNOS O-GlcNAcylation to Promote eNOS Activity. <i>Circulation Research</i> , 2021, 129, 1054-1066.	4.5	11
6	Stiff Substrates Enhance Endothelial Oxidative Stress in Response to Protein Kinase C Activation. <i>Applied Bionics and Biomechanics</i> , 2019, 2019, 1-14.	1.1	8
7	Biofabrication strategies for creating microvascular complexity. <i>Biofabrication</i> , 2019, 11, 032001.	7.1	30
8	Vascular Endothelial-Breast Epithelial Cell Coculture Model Created from 3D Cell Structures. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2999-3006.	5.2	9
9	Fluid Shear Stress and Fibroblast Growth Factor-2 Increase Endothelial Cell-Associated Vitronectin. <i>Applied Bionics and Biomechanics</i> , 2017, 2017, 1-12.	1.1	4
10	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.	2.1	31
11	An inverted dielectrophoretic device for analysis of attached single cell mechanics. <i>Lab on A Chip</i> , 2016, 16, 561-573.	6.0	30
12	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.	1.3	1
13	Cell-Substrate Interactions. , 2015, , 83-98.		0
14	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.	1.3	12
15	A Computational Model of Fibroblast Growth Factor-2 Binding to Endothelial Cells Under Fluid Flow. <i>Annals of Biomedical Engineering</i> , 2013, 41, 154-171.	2.5	8
16	Glycated collagen and altered glucose increase endothelial cell adhesion strength. <i>Journal of Cellular Physiology</i> , 2013, 228, 1727-1736.	4.1	14
17	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.	2.5	55
18	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.	4.1	252

#	ARTICLE	IF	CITATIONS
19	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.	0.4	19
20	Glycated Collagen Impairs Endothelial Cell Response to Cyclic Stretch. <i>Cellular and Molecular Bioengineering</i> , 2011, 4, 220-230.	2.1	10
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.	3.0	80
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, 96A, 186-195.	4.0	154
23	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.	2.1	48
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, 748-757.	2.5	275
25	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.	4.1	17