

LÃ©onie Rouleau

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

594
citations

687363

13
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

888
citing authors

#	ARTICLE	IF	CITATIONS
1	Local mechanical and structural properties of healthy and diseased human ascending aorta tissue. <i>Cardiovascular Pathology</i> , 2009, 18, 83-91.	1.6	188
2	VCAM1 targeting gold nanoshell probe for photoacoustic imaging of atherosclerotic plaque in mice. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 27-39.	0.8	64
3	The development of 3-D, in vitro, endothelial culture models for the study of coronary artery disease. <i>BioMedical Engineering OnLine</i> , 2009, 8, 30.	2.7	48
4	Endothelial Cell Morphologic Response to Asymmetric Stenosis Hemodynamics: Effects of Spatial Wall Shear Stress Gradients. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 081013.	1.3	42
5	Concentration and Time Effects of Dextran Exposure on Endothelial Cell Viability, Attachment, and Inflammatory Marker Expression In Vitro. <i>Annals of Biomedical Engineering</i> , 2010, 38, 1451-1462.	2.5	34
6	Neutrophil Adhesion on Endothelial Cells in a Novel Asymmetric Stenosis Model: Effect of Wall Shear Stress Gradients. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2791-2804.	2.5	32
7	Effect of simvastatin on Kruppel-like factor2, endothelial nitric oxide synthase and thrombomodulin expression in endothelial cells under shear stress. <i>Life Sciences</i> , 2010, 87, 92-99.	4.3	32
8	Normal Wound Healing in Mice Deficient for Fibulin-5, an Elastin Binding Protein Essential for Dermal Elastic Fiber Assembly. <i>Journal of Investigative Dermatology</i> , 2006, 126, 2707-2714.	0.7	31
9	The Response of Human Aortic Endothelial Cells in a Stenotic Hemodynamic Environment: Effect of Duration, Magnitude, and Spatial Gradients in Wall Shear Stress. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 071015.	1.3	28
10	Regional variations in canine descending aortic tissue mechanical properties change with formalin fixation. <i>Cardiovascular Pathology</i> , 2012, 21, 390-397.	1.6	22
11	Effect of manufacturing and experimental conditions on the mechanical and surface properties of silicone elastomer scaffolds used in endothelial mechanobiological studies. <i>BioMedical Engineering OnLine</i> , 2017, 16, 90.	2.7	20
12	Low-cost three-dimensional imaging system combining fluorescence and ultrasound. <i>Journal of Biomedical Optics</i> , 2011, 16, 126010.	2.6	19
13	Differential Response of Endothelial Cells to Simvastatin When Conditioned with Steady, Non-Reversing Pulsatile or Oscillating Shear Stress. <i>Annals of Biomedical Engineering</i> , 2011, 39, 402-413.	2.5	14
14	Conjugation of multivalent ligands to gold nanoshells and designing a dual modality imaging probe. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1788-1800.	5.8	13
15	Miktoarm star conjugated multifunctional gold nanoshells: synthesis and an evaluation of biocompatibility and cellular uptake. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6334-6344.	5.8	7