

Heather N Hayenga

List of Publications by Year in descending order

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25
papers

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566801

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26
times ranked

1726
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Rare solid and cystic presentation of hemangiopericytoma/ solitary fibrous tumor: A case report. <i>Current Problems in Cancer Case Reports</i> , 2022, 6, 100149. | 0.1 | 1 |
| 2 | Assessment with clinical data of a coupled bio-hemodynamics numerical model to predict leukocyte adhesion in coronary arteries. <i>Scientific Reports</i> , 2021, 11, 12680. | 1.6 | 3 |
| 3 | Reversibly Modulating the Blood-Brain Barrier by Laser Stimulation of Molecular-Targeted Nanoparticles. <i>Nano Letters</i> , 2021, 21, 9805-9815. | 4.5 | 49 |
| 4 | Inflammation Drives Stiffness Mediated Uptake of Lipoproteins in Primary Human Macrophages and Foam Cell Proliferation. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3425-3437. | 1.3 | 4 |
| 5 | <i>In Silico</i> Tissue Engineering: A Coupled Agent-Based Finite Element Approach. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 641-654. | 1.1 | 7 |
| 6 | Intraspinal Dissemination and Local Recurrence of an Intracranial Hemangiopericytoma. <i>World Neurosurgery</i> , 2019, 123, 68-75. | 0.7 | 10 |
| 7 | Mechanobiological model of arterial growth and remodeling. <i>Biomechanics and Modeling in Mechanobiology</i> , 2018, 17, 87-101. | 1.4 | 27 |
| 8 | Targeting Hypoxia-Inducible Factor-1 α /Pyruvate Dehydrogenase Kinase 1 Axis by Dichloroacetate Suppresses Bleomycin-induced Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 216-231. | 1.4 | 103 |
| 9 | Dependence of leukocyte capture on instantaneous pulsatile flow. <i>Journal of Biomechanics</i> , 2018, 76, 84-93. | 0.9 | 4 |
| 10 | An agent-based model of leukocyte transendothelial migration during atherogenesis. <i>PLoS Computational Biology</i> , 2017, 13, e1005523. | 1.5 | 29 |
| 11 | p66 ^{Shc} Couples Mechanical Signals to RhoA through Focal Adhesion Kinase-Dependent Recruitment of p115-RhoGEF and GEF-H1. <i>Molecular and Cellular Biology</i> , 2016, 36, 2824-2837. | 1.1 | 22 |
| 12 | Shape-Morphing Chromonic Liquid Crystal Hydrogels. <i>Chemistry of Materials</i> , 2016, 28, 8489-8492. | 3.2 | 31 |
| 13 | Substrate elasticity regulates the behavior of human monocyte-derived macrophages. <i>European Biophysics Journal</i> , 2016, 45, 301-309. | 1.2 | 95 |
| 14 | Substrate Stiffness Regulates the Behavior of Human Monocyte-Derived Macrophages. <i>Biophysical Journal</i> , 2015, 108, 306a-307a. | 0.2 | 4 |
| 15 | Stiffness Increases Mononuclear Cell Transendothelial Migration. <i>Cellular and Molecular Bioengineering</i> , 2013, 6, 253-265. | 1.0 | 15 |
| 16 | Multiscale Computational Modeling in Vascular Biology: From Molecular Mechanisms to Tissue-Level Structure and Function. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2013, , 209-240. | 0.7 | 7 |
| 17 | Human Neutrophil Cytoskeletal Dynamics and Contractility Actively Contribute to Trans-Endothelial Migration. <i>PLoS ONE</i> , 2013, 8, e61377. | 1.1 | 53 |
| 18 | Osteogenic Potential of Poly(Ethylene Glycol)-Poly(Dimethylsiloxane) Hybrid Hydrogels. <i>Tissue Engineering - Part A</i> , 2012, 18, 1710-1719. | 1.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Relative impact of form-induced stress vs. uniaxial alignment on multipotent stem cell myogenesis. <i>Acta Biomaterialia</i> , 2012, 8, 3974-3981. | 4.1 | 6 |
| 20 | Toward a Multi-Scale Computational Model of Arterial Adaptation in Hypertension: Verification of a Multi-Cell Agent Based Model. <i>Frontiers in Physiology</i> , 2011, 2, 20. | 1.3 | 36 |
| 21 | Ensuring Congruency in Multiscale Modeling: Towards Linking Agent Based and Continuum Biomechanical Models of Arterial Adaptation. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2669-2682. | 1.3 | 36 |
| 22 | 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. | 0.6 | 42 |
| 23 | PEGDA hydrogels with patterned elasticity: Novel tools for the study of cell response to substrate rigidity. <i>Biotechnology and Bioengineering</i> , 2010, 105, 636-644. | 1.7 | 243 |
| 24 | Differential Regulation of Neutrophil CD18 Integrin Function by Di- and Tri-Valent Cations: Manganese vs. Gadolinium. <i>Annals of Biomedical Engineering</i> , 2008, 36, 647-660. | 1.3 | 4 |
| 25 | Transmigration of Neutrophils across Inflamed Endothelium Is Signaled through LFA-1 and Src Family Kinase. <i>Journal of Immunology</i> , 2008, 181, 8660-8669. | 0.4 | 25 |