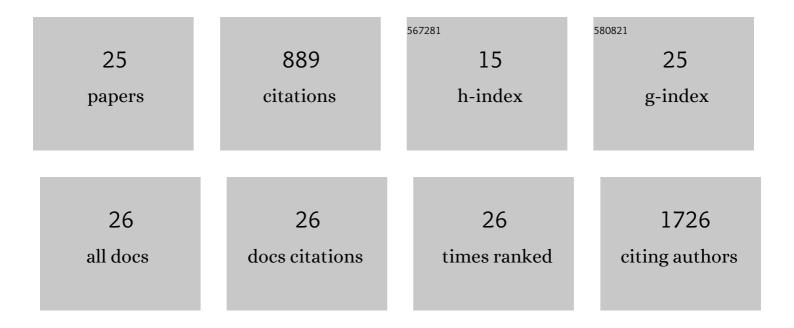
Heather N Hayenga

List of Publications by Year in descending order

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HEATHER N HAVENCA

#	Article	IF	CITATIONS
1	Rare solid and cystic presentation of hemangiopericytoma/ solitary fibrous tumor: A case report. Current Problems in Cancer Case Reports, 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. Scientific Reports, 2021, 11, 12680.	3.3	3
3	Reversibly Modulating the Blood–Brain Barrier by Laser Stimulation of Molecular-Targeted Nanoparticles. Nano Letters, 2021, 21, 9805-9815.	9.1	49
4	Inflammation Drives Stiffness Mediated Uptake of Lipoproteins in Primary Human Macrophages and Foam Cell Proliferation. Annals of Biomedical Engineering, 2021, 49, 3425-3437.	2.5	4
5	<i>In Silico</i> Tissue Engineering: A Coupled Agent-Based Finite Element Approach. Tissue Engineering - Part C: Methods, 2019, 25, 641-654.	2.1	7
6	Intraspinal Dissemination and Local Recurrence of an Intracranial Hemangiopericytoma. World Neurosurgery, 2019, 123, 68-75.	1.3	10
7	Mechanobiological model of arterial growth and remodeling. Biomechanics and Modeling in Mechanobiology, 2018, 17, 87-101.	2.8	27
8	Targeting Hypoxia-Inducible Factor-1α/Pyruvate Dehydrogenase Kinase 1 Axis by Dichloroacetate Suppresses Bleomycin-induced Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 216-231.	2.9	103
9	Dependence of leukocyte capture on instantaneous pulsatile flow. Journal of Biomechanics, 2018, 76, 84-93.	2.1	4
10	An agent-based model of leukocyte transendothelial migration during atherogenesis. PLoS Computational Biology, 2017, 13, e1005523.	3.2	29
11	p66 ^{Shc} Couples Mechanical Signals to RhoA through Focal Adhesion Kinase-Dependent Recruitment of p115-RhoGEF and GEF-H1. Molecular and Cellular Biology, 2016, 36, 2824-2837.	2.3	22
12	Shape-Morphing Chromonic Liquid Crystal Hydrogels. Chemistry of Materials, 2016, 28, 8489-8492.	6.7	31
13	Substrate elasticity regulates the behavior of human monocyte-derived macrophages. European Biophysics Journal, 2016, 45, 301-309.	2.2	95
14	Substrate Stiffness Regulates the Behavior of Human Monocyte-Derived Macrophages. Biophysical Journal, 2015, 108, 306a-307a.	0.5	4
15	Stiffness Increases Mononuclear Cell Transendothelial Migration. Cellular and Molecular Bioengineering, 2013, 6, 253-265.	2.1	15
16	Multiscale Computational Modeling in Vascular Biology: From Molecular Mechanisms to Tissue-Level Structure and Function. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2013, , 209-240.	1.0	7
17	Human Neutrophil Cytoskeletal Dynamics and Contractility Actively Contribute to Trans-Endothelial Migration. PLoS ONE, 2013, 8, e61377.	2.5	53
18	Osteogenic Potential of Poly(Ethylene Glycol)–Poly(Dimethylsiloxane) Hybrid Hydrogels. Tissue Engineering - Part A, 2012, 18, 1710-1719.	3.1	32

HEATHER N HAYENGA

#	Article	IF	CITATIONS
19	Relative impact of form-induced stress vs. uniaxial alignment on multipotent stem cell myogenesis. Acta Biomaterialia, 2012, 8, 3974-3981.	8.3	6
20	Toward a Multi-Scale Computational Model of Arterial Adaptation in Hypertension: Verification of a Multi-Cell Agent Based Model. Frontiers in Physiology, 2011, 2, 20.	2.8	36
21	Ensuring Congruency in Multiscale Modeling: Towards Linking Agent Based and Continuum Biomechanical Models of Arterial Adaptation. Annals of Biomedical Engineering, 2011, 39, 2669-2682.	2.5	36
22	Regional Atherosclerotic Plaque Properties in ApoE–/– Mice Quantified by Atomic Force, Immunofluorescence, and Light Microscopy. Journal of Vascular Research, 2011, 48, 495-504.	1.4	42
23	PEGDA hydrogels with patterned elasticity: Novel tools for the study of cell response to substrate rigidity. Biotechnology and Bioengineering, 2010, 105, 636-644.	3.3	243
24	Differential Regulation of Neutrophil CD18 Integrin Function by Di- and Tri-Valent Cations: Manganese vs. Gadolinium. Annals of Biomedical Engineering, 2008, 36, 647-660.	2.5	4
25	Transmigration of Neutrophils across Inflamed Endothelium Is Signaled through LFA-1 and Src Family Kinase. Journal of Immunology, 2008, 181, 8660-8669.	0.8	25