

Julie A Phillippi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7123231/publications.pdf>

Version: 2024-02-01

39
papers

2,086
citations

201674

27
h-index

302126

39
g-index

41
all docs

41
docs citations

41
times ranked

2801
citing authors

#	ARTICLE	IF	CITATIONS
1	Microenvironments Engineered by Inkjet Bioprinting Spatially Direct Adult Stem Cells Toward Muscle- and Bone-Like Subpopulations. <i>Stem Cells</i> , 2008, 26, 127-134.	3.2	324
2	Effect of aneurysm on the mechanical dissection properties of the human ascending thoracic aorta. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 460-467.	0.8	146
3	Differential Tensile Strength and Collagen Composition in Ascending Aortic Aneurysms by Aortic Valve Phenotype. <i>Annals of Thoracic Surgery</i> , 2013, 96, 2147-2154.	1.3	112
4	Engineering spatial control of multiple differentiation fates within a stem cell population. <i>Biomaterials</i> , 2011, 32, 3413-3422.	11.4	99
5	Blocking vascular endothelial growth factor with soluble Flt-1 improves the chondrogenic potential of mouse skeletal muscle-derived stem cells. <i>Arthritis and Rheumatism</i> , 2009, 60, 155-165.	6.7	96
6	Cholera Toxin B Conjugated Quantum Dots for Live Cell Labeling. <i>Nano Letters</i> , 2007, 7, 2618-2626.	9.1	93
7	Mechanism of aortic medial matrix remodeling is distinct in patients with bicuspid aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1056-1064.	0.8	88
8	Myogenic Endothelial Cells Purified From Human Skeletal Muscle Improve Cardiac Function After Transplantation Into Infarcted Myocardium. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1869-1880.	2.8	77
9	Basal and Oxidative Stress-Induced Expression of Metallothionein Is Decreased in Ascending Aortic Aneurysms of Bicuspid Aortic Valve Patients. <i>Circulation</i> , 2009, 119, 2498-2506.	1.6	74
10	Osteogenic Potential of Postnatal Skeletal Muscle-Derived Stem Cells Is Influenced by Donor Sex. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1592-1602.	2.8	72
11	Inkjet Printing of Growth Factor Concentration Gradients and Combinatorial Arrays Immobilized on Biologically-Relevant Substrates. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 604-618.	1.1	72
12	Perivascular extracellular matrix hydrogels mimic native matrix microarchitecture and promote angiogenesis via basic fibroblast growth factor. <i>Biomaterials</i> , 2017, 123, 142-154.	11.4	68
13	Control of Cell Behavior by Aligned Micro/Nanofibrous Biomaterial Scaffolds Fabricated by Spinneret-Based Tunable Engineered Parameters (STEP) Technique. <i>Small</i> , 2008, 4, 1153-1159.	10.0	67
14	Biodegradable and biomimetic elastomeric scaffolds for tissue-engineered heart valves. <i>Acta Biomaterialia</i> , 2017, 48, 2-19.	8.3	67
15	Fiber micro-architecture in the longitudinal-radial and circumferential-radial planes of ascending thoracic aortic aneurysm media. <i>Journal of Biomechanics</i> , 2013, 46, 2787-2794.	2.1	55
16	Constitutive modeling of ascending thoracic aortic aneurysms using microstructural parameters. <i>Medical Engineering and Physics</i> , 2016, 38, 121-130.	1.7	45
17	Predissection-derived geometric and distensibility indices reveal increased peak longitudinal stress and stiffness in patients sustaining acute type A aortic dissection: Implications for predicting dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 355-363.	0.8	42
18	Medial Hypoxia and Adventitial Vasa Vasorum Remodeling in Human Ascending Aortic Aneurysm. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 124.	2.4	40

#	ARTICLE	IF	CITATIONS
19	A structural finite element model for lamellar unit of aortic media indicates heterogeneous stress field after collagen recruitment. <i>Journal of Biomechanics</i> , 2016, 49, 1562-1569.	2.1	38
20	Extracellular matrix fiber microarchitecture is region-specific in bicuspid aortic valve-associated ascending aortopathy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 1718-1728.e5.	0.8	35
21	Structural modeling reveals microstructure-strength relationship for human ascending thoracic aorta. <i>Journal of Biomechanics</i> , 2018, 71, 84-93.	2.1	35
22	Elevated oxidative stress in the aortic media of patients with bicuspid aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 1756-1762.	0.8	33
23	Classification and Functional Characterization of Vasa Vasorum-Associated Perivascular Progenitor Cells in Human Aorta. <i>Stem Cell Reports</i> , 2017, 9, 292-303.	4.8	33
24	A Cautionary Tale for Autologous Vascular Tissue Engineering: Impact of Human Demographics on the Ability of Adipose-Derived Mesenchymal Stem Cells to Recruit and Differentiate into Smooth Muscle Cells. <i>Tissue Engineering - Part A</i> , 2015, 21, 426-437.	3.1	32
25	Altered Oxidative Stress Responses and Increased Type I Collagen Expression in Bicuspid Aortic Valve Patients. <i>Annals of Thoracic Surgery</i> , 2010, 90, 1893-1898.	1.3	31
26	Effect of Phosphatidyl Inositol 3-Kinase, Extracellular Signal-Regulated Kinases 1/2, and p38 Mitogen-Activated Protein Kinase Inhibition on Osteogenic Differentiation of Muscle-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , 2010, 16, 3647-3655.	3.1	31
27	On vasa vasorum: A history of advances in understanding the vessels of vessels. <i>Science Advances</i> , 2022, 8, eabl6364.	10.3	30
28	Regional Disruptions in Endothelial Nitric Oxide Pathway Associated With Bicuspid Aortic Valve. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1274-1281.	1.3	28
29	Aneurysm-Specific miR-221 and miR-146a Participates in Human Thoracic and Abdominal Aortic Aneurysms. <i>International Journal of Molecular Sciences</i> , 2017, 18, 875.	4.1	27
30	Bicuspid Aortic Valve Morphotype Correlates With Regional Antioxidant Gene Expression Profiles in the Proximal Ascending Aorta. <i>Annals of Thoracic Surgery</i> , 2017, 104, 79-87.	1.3	17
31	PEGylated poly(ester amide) elastomer scaffolds for soft tissue engineering. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1097-1106.	3.2	14
32	Nanonet force microscopy for measuring forces in single smooth muscle cells of the human aorta. <i>Molecular Biology of the Cell</i> , 2017, 28, 1894-1900.	2.1	14
33	Effect of aneurysm on biomechanical properties of radially-oriented collagen fibers in human ascending thoracic aortic media. <i>Journal of Biomechanics</i> , 2014, 47, 3820-3824.	2.1	13
34	Shape-Specific Nanoceria Mitigate Oxidative Stress-Induced Calcification in Primary Human Valvular Interstitial Cell Culture. <i>Cellular and Molecular Bioengineering</i> , 2017, 10, 483-500.	2.1	13
35	Heparanase inhibition preserves the endothelial glycocalyx in lung grafts and improves lung preservation and transplant outcomes. <i>Scientific Reports</i> , 2021, 11, 12265.	3.3	9
36	Common deletion variants causing protocadherin-1± deficiency contribute to the complex genetics of BAV and left-sided congenital heart disease. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100037.	1.7	7

#	ARTICLE	IF	CITATIONS
37	Layer-specific <i>Nos3</i> expression and genotypic distribution in bicuspid aortic valve aortopathy. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	4
38	Post-GWAS functional analysis identifies CUX1 as a regulator of p16INK4a and cellular senescence. <i>Nature Aging</i> , 2022, 2, 140-154.	11.6	4
39	Editorial: Exploring the Frontiers of Regenerative Cardiovascular Medicine. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 13.	2.4	0