Joshua D Hutcheson

List of Publications by Year
in descending order

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42	2,189	304368 22	276539 41
papers	citations	h-index	g-index

44	44	44	2943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Time-Dependent Role of Bisphosphonates on Atherosclerotic Plaque Calcification. Journal of Cardiovascular Development and Disease, 2022, 9, 168.	0.8	3
2	ApoC-III is a novel inducer of calcification in human aortic valves. Journal of Biological Chemistry, 2021, 296, 100193.	1.6	28
3	Scanning Ion Conductance Microscopy Study Reveals the Disruption of the Integrity of the Human Cell Membrane Structure by Oxidative DNA Damage. ACS Applied Bio Materials, 2021, 4, 1632-1639.	2.3	11
4	Dynamin-related protein 1 inhibition reduces hepatic PCSK9 secretion. Cardiovascular Research, 2021, 117, 2340-2353.	1.8	16
5	Editorial: Extracellular Matrix for Cardiovascular Reconstruction. Frontiers in Cardiovascular Medicine, 2021, 8, 664803.	1.1	0
6	Nanoanalytical analysis of bisphosphonate-driven alterations of microcalcifications using a 3D hydrogel system and in vivo mouse model. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
7	Dissecting Calcific Aortic Valve Diseaseâ€"The Role, Etiology, and Drivers of Valvular Fibrosis. Frontiers in Cardiovascular Medicine, 2021, 8, 660797.	1.1	18
8	Elastogenesis Correlates With Pigment Production in Murine Aortic Valve Leaflets. Frontiers in Cardiovascular Medicine, 2021, 8, 678401.	1.1	4
9	Synthetic photoplethysmography (PPG) of the radial artery through parallelized Monte Carlo and its correlation to body mass index (BMI). Scientific Reports, 2021, 11, 2570.	1.6	33
10	A surface-based calibration approach to enable dynamic and accurate quantification of colorimetric assay systems. Analytical Methods, 2021, 13, 4290-4297.	1.3	1
11	Highly Selective PPARÎ± (Peroxisome Proliferatorâ€Activated Receptor Î±) Agonist Pemafibrate Inhibits Stent Inflammation and Restenosis Assessed by Multimodality Molecularâ€Microstructural Imaging. Journal of the American Heart Association, 2021, 10, e020834.	1.6	7
12	Pigmentation Affects Elastic Fiber Patterning and Biomechanical Behavior of the Murine Aortic Valve. Frontiers in Cardiovascular Medicine, 2021, 8, 754560.	1.1	1
13	Integrative Multi-Omics Analysis in Calcific Aortic Valve Disease Reveals a Link to the Formation of Amyloid-Like Deposits. Cells, 2020, 9, 2164.	1.8	15
14	Oxidative DNA Damage Modulates DNA Methylation Pattern in Human Breast Cancer 1 (BRCA1) Gene via the Crosstalk between DNA Polymerase Î² and a de novo DNA Methyltransferase. Cells, 2020, 9, 225.	1.8	18
15	Oscillatory fluid-induced mechanobiology in heart valves with parallels to the vasculature. Vascular Biology (Bristol, England), 2020, 2, R59-R71.	1.2	9
16	A Method to Quantify Tensile Biaxial Properties of Mouse Aortic Valve Leaflets. Journal of Biomechanical Engineering, 2020, 142, .	0.6	5
17	Elastin-Dependent Aortic Heart Valve Leaflet Curvature Changes During Cyclic Flexure. Bioengineering, 2019, 6, 39.	1.6	6
18	After 50 Years of Heart Transplants: What Does the Next 50 Years Hold for Cardiovascular Medicine? A Perspective From the International Society for Applied Cardiovascular Biology. Frontiers in Cardiovascular Medicine, 2019, 6, 8.	1.1	1

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19	Toxicity assessment of wearable wound sensor constituents on keratinocytes. Toxicology in Vitro, 2019, 58, 170-177.	1.1	8
20	Extracellular vesicles in cardiovascular homeostasis and disease. Current Opinion in Cardiology, 2018, 33, 290-297.	0.8	39
21	Uricase Based Enzymatic Biosensor for Nonâ€invasive Detection of Uric Acid by Entrapment in PVAâ€sbQ Polymer Matrix. Electroanalysis, 2018, 30, 2374-2385.	1.5	25
22	Serum Sortilin Associates With Aortic Calcification and Cardiovascular Risk in Men. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1005-1011.	1.1	44
23	Dynamin-Related Protein 1 Inhibition Attenuates Cardiovascular Calcification in the Presence of Oxidative Stress. Circulation Research, 2017, 121, 220-233.	2.0	88
24	Extracellular Vesicles As Mediators of Cardiovascular Calcification. Frontiers in Cardiovascular Medicine, 2017, 4, 78.	1.1	103
25	Giving Calcification Its Due: Recognition of a Diverse Disease. Circulation Research, 2017, 120, 270-273.	2.0	52
26	Quantification of Calcified Particles in Human Valve Tissue Reveals Asymmetry of Calcific Aortic Valve Disease Development. Frontiers in Cardiovascular Medicine, 2016, 3, 44.	1.1	11
27	Zooming in on the genesis of atherosclerotic plaque microcalcifications. Journal of Physiology, 2016, 594, 2915-2927.	1.3	36
28	Adventitial MSC-like Cells Are Progenitors of Vascular Smooth Muscle Cells and Drive Vascular Calcification in Chronic Kidney Disease. Cell Stem Cell, 2016, 19, 628-642.	5.2	254
29	A single injection of gain-of-function mutant PCSK9 adeno-associated virus vector induces cardiovascular calcification in mice with no genetic modification. Atherosclerosis, 2016, 251, 109-118.	0.4	92
30	Calcification of Vascular Smooth Muscle Cells and Imaging of Aortic Calcification and Inflammation. Journal of Visualized Experiments, 2016, , .	0.2	19
31	Extracellular vesicles in cardiovascular calcification: expanding current paradigms. Journal of Physiology, 2016, 594, 2895-2903.	1.3	88
32	Genesis and growth of extracellular-vesicle-derived microcalcification inÂatherosclerotic plaques. Nature Materials, 2016, 15, 335-343.	13.3	298
33	Simulation of early calcific aortic valve disease in a 3D platform: A role for myofibroblast differentiation. Journal of Molecular and Cellular Cardiology, 2016, 94, 13-20.	0.9	70
34	Discoidin Domain Receptor-1 Regulates Calcific Extracellular Vesicle Release in Vascular Smooth Muscle Cell Fibrocalcific Response via Transforming Growth Factor-Î² Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 525-533.	1.1	58
35	Sortilin mediates vascular calcification via its recruitment into extracellular vesicles. Journal of Clinical Investigation, 2016, 126, 1323-1336.	3.9	196
36	Valvular interstitial cells suppress calcification of valvular endothelial cells. Atherosclerosis, 2015, 242, 251-260.	0.4	135

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37	Cardiovascular calcification: current controversies and novel concepts. Cardiovascular Pathology, 2015, 24, 207-212.	0.7	69
38	Revisiting cardiovascular calcification: A multifaceted disease requiring a multidisciplinary approach. Seminars in Cell and Developmental Biology, 2015, 46, 68-77.	2.3	37
39	Small entities with large impact. Current Opinion in Lipidology, 2014, 25, 327-332.	1.2	117
40	Potential drug targets for calcific aortic valve disease. Nature Reviews Cardiology, 2014, 11, 218-231.	6.1	123
41	Enrichment of calcifying extracellular vesicles using densityâ€based ultracentrifugation protocol. Journal of Extracellular Vesicles, 2014, 3, 25129.	5.5	39
42	International Society for Extracellular Vesicles: Second Annual Meeting, 17â€“20 April 2013, Boston, MA (ISEV 2013). Journal of Extracellular Vesicles, 2013, 2, 23070.	5.5	2