Adrian H Chester

List of Publications by Year
in descending order

39 papers	1,622 citations	430874 18 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	2133 citing authors

#	Article	IF	Citations
1	Atypical Expression of Smooth Muscle Markers and Co-activators and Their Regulation in Rheumatic Aortic and Calcified Bicuspid Valves. Frontiers in Cardiovascular Medicine, 2022, 9, 793666.	2.4	0
2	Interferons Are Pro-Inflammatory Cytokines in Sheared-Stressed Human Aortic Valve Endothelial Cells. International Journal of Molecular Sciences, 2021, 22, 10605.	4.1	5
3	Coronary vasodilation mediated by T cells expressing choline acetyltransferase. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H933-H939.	3.2	1
4	Expression and function of mechanosensitive ion channels in human valve interstitial cells. PLoS ONE, 2020, 15, e0240532.	2.5	13
5	Effect of Side-Specific Valvular Shear Stress on the Content of Extracellular Matrix in Aortic Valves. Cardiovascular Engineering and Technology, 2018, 9, 151-157.	1.6	18
6	Cardiac regeneration following cryoinjury in the adult zebrafish targets a maturation-specific biomechanical remodeling program. Scientific Reports, 2018, 8, 15661.	3.3	16
7	CD39 and CD73 in the aortic valveâ€"biochemical and immunohistochemical analysis in valve cell populations and its changes in valve mineralization. Cardiovascular Pathology, 2018, 36, 53-63.	1.6	7
8	Hypoxia-mediated regulation of the secretory properties of mitral valve interstitial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H14-H23.	3.2	20
9	Chemical and biological assessment of metal organic frameworks (MOFs) in pulmonary cells and in an acute in vivo model: relevance to pulmonary arterial hypertension therapy. Pulmonary Circulation, 2017, 7, 643-653.	1.7	33
10	Aortic calcified particles modulate valvular endothelial and interstitial cells. Cardiovascular Pathology, 2017, 28, 36-45.	1.6	13
11	Raman spectroscopy imaging reveals interplay between atherosclerosis and medial calcification in the human aorta. Science Advances, 2017, 3, e1701156.	10.3	60
12	Tissue Engineeringâ€"Bridging the Gap. Journal of Cardiovascular Translational Research, 2017, 10, 91-92.	2.4	1
13	Oxidized low-density lipoproteins enhance expression and activity of CD39 and CD73 in the human aortic valve endothelium. Nucleosides, Nucleotides and Nucleic Acids, 2016, 35, 713-719.	1.1	6
14	Metal Organic Framework as a Potential Drug Carrier for Pulmonary Arterial Hypertension. , 2016, , .		0
15	Valve Endothelial Cells - Not Just Any Old Endothelial Cells. Current Vascular Pharmacology, 2016, 14, 146-154.	1.7	26
16	Expression of smooth muscle cell markers and co-activators in calcified aortic valves. European Heart Journal, 2015, 36, 1335-1345.	2.2	84
17	Modulation of Human Valve Interstitial Cell Phenotype and Function Using a Fibroblast Growth Factor 2 Formulation. PLoS ONE, 2015, 10, e0127844.	2.5	64
18	Side-specific mechanical properties of valve endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H15-H24.	3.2	19

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19	Cardiovascular calcification violet pearl. Lancet, The, 2014, 384, 1294.	13.7	9
20	Side-Specific Endothelial-Dependent Regulation of Aortic Valve Calcification. American Journal of Pathology, 2013, 182, 1922-1931.	3.8	137
21	Nano-analytical electron microscopy reveals fundamental insights into human cardiovascular tissue calcification. Nature Materials, 2013, 12, 576-583.	27.5	228
22	Elevated cyclic stretch and serotonin result in altered aortic valve remodeling via a mechanosensitive 5-HT2A receptor-dependent pathway. Cardiovascular Pathology, 2012, 21, 206-213.	1.6	26
23	Characterization of Porcine Aortic Valvular Interstitial Cell â€˜Calcifiedâ€™ Nodules. PLoS ONE, 2012, 7, e48154.	2.5	47
24	Cellular Mechanisms in Mitral Valve Disease. Journal of Cardiovascular Translational Research, 2011, 4, 702-709.	2.4	19
25	Endothelium-Dependent Regulation of the Mechanical Properties of Aortic Valve Cusps. Journal of the American College of Cardiology, 2009, 53, 1448-1455.	2.8	122
26	Localisation and function of nerves in the aortic root. Journal of Molecular and Cellular Cardiology, 2008, 44, 1045-1052.	1.9	21
27	Molecular and functional characteristics of heart-valve interstitial cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 1437-1443.	4.0	111
28	Correlation between vascular responsivensss and expression of novel transcripts of the ETA-receptor in human vascular tissue. Vascular Pharmacology, 2007, 46, 181-187.	2.1	4
29	Role of Human Valve Interstitial Cells in Valve Calcification and Their Response to Atorvastatin. Circulation, 2006, 114, I547-52.	1.6	181
30	Collagen synthesis by mesenchymal stem cells and aortic valve interstitial cells in response to mechanical stretch. Cardiovascular Research, 2006, 71, 548-556.	3.8	153
31	Expression, localisation and function of ACE and chymase in normal and atherosclerotic human coronary arteries. Vascular Pharmacology, 2005, 42, 99-108.	2.1	17
32	Endothelin-1 and the Aortic Valve. Current Vascular Pharmacology, 2005, 3, 353-357.	1.7	11
33	Effect of the Contractile Properties of the Aortic Root on Valve Competence In Vitro. Journal of Cardiac Surgery, 2002, 17, 561-561.	0.7	0
34	A redox-based mechanism for nitric oxide-induced inhibition of DNA synthesis in human vascular smooth muscle cells. British Journal of Pharmacology, 2000, 129, 1513-1521.	5.4	13
35	Differential regulation of DNA synthesis by nitric oxide and hydroxyurea in vascular smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1799-H1807.	3.2	7
36	INHIBITION OF HUMAN CARDIAC FIBROBLAST MITOGENESIS BY BLOCKADE OF MITOGEN-ACTIVATED PROTEIN KINASE AND PHOSPHATIDYLINOSITOL 3-KINASE. Clinical and Experimental Pharmacology and Physiology, 1999, 26, 511-513.	1.9	16

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37	Alternative pathways of angiotensin II production in the human saphenous vein. British Journal of Pharmacology, 1998, 125, 423-428.	5.4	27
38	Induction of nitric oxide synthase in human vascular smooth muscle: interactions between proinflammatory cytokines. Cardiovascular Research, 1998, 38, 814-821.	3.8	53
39	EXPLANTED VEIN GRAFTS WITH AN INTACT ENDOTHELIUM DEMONSTRATE REDUCED FOCAL EXPRESSION OF ENDOTHELIAL NITRIC OXIDE SYNTHASE SPECIFIC TO ATHEROSCLEROTIC SITES. , 1996, 179, 197-203.		33