

Michelle Yvonne Alexander

List of Publications by Year in descending order

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43
papers

2,184
citations

236925

25
h-index

302126

39
g-index

43
all docs

43
docs citations

43
times ranked

3447
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Nrf2 in Cardiovascular Function and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-18.	4.0	190
2	Calcification is associated with loss of functional calcium-sensing receptor in vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2009, 81, 260-268.	3.8	179
3	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. <i>Cardiovascular Research</i> , 2021, 117, 29-42.	3.8	164
4	Liposome-mediated gene transfer and expression via the skin. <i>Human Molecular Genetics</i> , 1995, 4, 2279-2285.	2.9	125
5	The RANKL/RANK/OPG Signaling Pathway Mediates Medial Arterial Calcification in Diabetic Charcot Neuroarthropathy. <i>Diabetes</i> , 2011, 60, 2187-2196.	0.6	116
6	Genes and Hypertension. <i>Hypertension</i> , 2000, 35, 164-172.	2.7	97
7	Endothelial microparticles as conveyors of information in atherosclerotic disease. <i>Atherosclerosis</i> , 2014, 234, 295-302.	0.8	86
8	Dexamethasone Downregulates Calcification-Inhibitor Molecules and Accelerates Osteogenic Differentiation of Vascular Pericytes. <i>Circulation Research</i> , 2006, 98, 1264-1272.	4.5	84
9	Receptor Tyrosine Kinase Axl Modulates the Osteogenic Differentiation of Pericytes. <i>Circulation Research</i> , 2003, 92, 1123-1129.	4.5	82
10	Endothelial Progenitor Cells Enter the Aging Arena. <i>Frontiers in Physiology</i> , 2012, 3, 30.	2.8	81
11	Axl/Phosphatidylinositol 3-Kinase Signaling Inhibits Mineral Deposition by Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2007, 100, 502-509.	4.5	77
12	Suppression of inflammation reduces endothelial microparticles in active systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 1144-1150.	0.9	75
13	Decorin GAG Synthesis and TGF- β 2 Signaling Mediate Ox-LDL-Induced Mineralization of Human Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 608-615.	2.4	73
14	Endothelial microparticles prevent lipid-induced endothelial damage via Akt/eNOS signaling and reduced oxidative stress. <i>FASEB Journal</i> , 2017, 31, 4636-4648.	0.5	71
15	A novel role for small molecule glycomimetics in the protection against lipid-induced endothelial dysfunction: Involvement of Akt/eNOS and Nrf2/ARE signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3311-3322.	2.4	58
16	Monomeric C-reactive protein and Notch-3 co-operatively increase angiogenesis through PI3K signalling pathway. <i>Cytokine</i> , 2014, 69, 165-179.	3.2	54
17	Vitamin D improves endothelial dysfunction and restores myeloid angiogenic cell function via reduced CXCL-10 expression in systemic lupus erythematosus. <i>Scientific Reports</i> , 2016, 6, 22341.	3.3	54
18	RANKL-OPG and RAGE modulation in vascular calcification and diabetes: novel targets for therapy. <i>Diabetologia</i> , 2014, 57, 2251-2260.	6.3	50

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19	Loss of SIRT1 in diabetes accelerates DNA damage-induced vascular calcification. <i>Cardiovascular Research</i> , 2021, 117, 836-849.	3.8	49
20	Gene transfer of endothelial nitric oxide synthase improves nitric oxide-dependent endothelial function in a hypertensive rat model. <i>Cardiovascular Research</i> , 1999, 43, 798-807.	3.8	44
21	Gene transfer of endothelial nitric oxide synthase but not Cu/Zn superoxide dismutase restores nitric oxide availability in the SHRSP. <i>Cardiovascular Research</i> , 2000, 47, 609-617.	3.8	42
22	Endothelial Progenitor Cells: New Targets for Therapeutics for Inflammatory Conditions With High Cardiovascular Risk. <i>Frontiers in Medicine</i> , 2018, 5, 200.	2.6	38
23	Elevated levels of endothelial-derived microparticles and serum CXCL9 and SCGF- β are associated with unstable asymptomatic carotid plaques.. <i>Scientific Reports</i> , 2015, 5, 16658.	3.3	37
24	HGF/c-Met signalling promotes Notch3 activation and human vascular smooth muscle cell osteogenic differentiation in vitro. <i>Atherosclerosis</i> , 2011, 219, 440-447.	0.8	32
25	Hepatocyte growth factor is sequestered in dentine matrix and promotes regeneration-associated events in dental pulp cells. <i>Cytokine</i> , 2013, 61, 622-629.	3.2	27
26	Identification and Characterization of Vascular Calcification-Associated Factor, a Novel Gene Upregulated During Vascular Calcification In Vitro and In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1851-1857.	2.4	23
27	QRISK3 improves detection of cardiovascular disease risk in patients with systemic lupus erythematosus. <i>Lupus Science and Medicine</i> , 2018, 5, e000272.	2.7	22
28	Improving cardiovascular outcomes in rheumatic diseases: Therapeutic potential of circulating endothelial progenitor cells. , 2014, 142, 231-243.		19
29	Diabetic endothelial colony forming cells have the potential for restoration with glycomimetics. <i>Scientific Reports</i> , 2019, 9, 2309.	3.3	19
30	Oxidative Stress in Metabolic Disorders and Drug-Induced Injury: The Potential Role of Nrf2 and PPARs Activators. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-4.	4.0	18
31	RANKL Links Arterial Calcification With Osteolysis. <i>Circulation Research</i> , 2009, 104, 1032-1034.	4.5	17
32	Endothelial progenitor cells: a new player in lupus?. <i>Arthritis Research and Therapy</i> , 2012, 14, 203.	3.5	16
33	Modulating Oxidative Stress in Drug-Induced Injury and Metabolic Disorders: The Role of Natural and Synthetic Antioxidants. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-5.	4.0	14
34	Certolizumab pegol attenuates the pro-inflammatory state in endothelial cells in a manner that is atheroprotective. <i>Clinical and Experimental Rheumatology</i> , 2013, 31, 225-33.	0.8	14
35	The Effect of Type 1 IFN on Human Aortic Endothelial Cell Function <i>In Vitro</i> : Relevance to Systemic Lupus Erythematosus. <i>Journal of Interferon and Cytokine Research</i> , 2014, 34, 404-412.	1.2	11
36	The modulatory role of sulfated and non-sulfated small molecule heparan sulfate-glycomimetics in endothelial dysfunction: absolute structural clarification, molecular docking and simulated dynamics, SAR analyses and ADMET studies. <i>RSC Medicinal Chemistry</i> , 2021, 12, 779-790.	3.9	8

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37	Tetramethoxystilbene-Loaded Liposomes Restore Reactive-Oxygen-Species-Mediated Attenuation of Dilator Responses in Rat Aortic Vessels Ex vivo. <i>Molecules</i> , 2019, 24, 4360.	3.8	7
38	Nanostructured Lipid Carriers Deliver Resveratrol, Restoring Attenuated Dilation in Small Coronary Arteries, via the AMPK Pathway. <i>Biomedicines</i> , 2021, 9, 1852.	3.2	6
39	The Association of Baseline and Longitudinal Change in Endothelial Microparticle Count with Mortality in Chronic Kidney Disease. <i>Nephron</i> , 2017, 135, 252-260.	1.8	3
40	Tripartite Meeting in Gene and Cell Therapy, 2008: Irish Society for Gene and Cell Therapy, British Society for Gene Therapy, and International Society for Cell and Gene Therapy of Cancer. <i>Human Gene Therapy</i> , 2008, 19, 967-978.	2.7	2
41	PROTECTIVE EFFECTS OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR)- α ACTIVATION ON LIPID-INDUCED ENDOTHELIAL DYSFUNCTION via CARNITINE PALMITOYL TRANSFERASE-1 UPREGULATION. <i>Heart</i> , 2014, 100, A9.1-A9.	2.9	0
42	173 β -Infused silica nanoparticles compromise vascular function in small mesenteric arteries. <i>Heart</i> , 2015, 101, A98.2-A98.	2.9	0
43	Vascular biology: New mechanisms and pathways. <i>Vascular Pharmacology</i> , 2016, 86, 1-2.	2.1	0