Martin R Bennett

List of Publications by Year
in descending order

213 papers	19,857 citations	8755 75 h-index	12597 132 g-index
225 all docs	225 docs citations	225 times ranked	21294 citing authors

#	Article	IF	Citations
1	Vascular Smooth Muscle Cells in Atherosclerosis. Circulation Research, 2016, 118, 692-702.	4.5	1,473
2	Aging and Atherosclerosis. Circulation Research, 2012, 111, 245-259.	4.5	676
3	Apoptosis Regulates Human Vascular Calcification In Vitro. Circulation Research, 2000, 87, 1055-1062.	4.5	648
4	Cell Surface Trafficking of Fas: A Rapid Mechanism of p53-Mediated Apoptosis. , 1998, 282, 290-293.		632
5	Vascular smooth muscle cells in atherosclerosis. Nature Reviews Cardiology, 2019, 16, 727-744.	13.7	628
6	Apoptosis of vascular smooth muscle cells induces features of plaque vulnerability in atherosclerosis. Nature Medicine, 2006, 12, 1075-1080.	30.7	584
7	Vascular Smooth Muscle Cells Undergo Telomere-Based Senescence in Human Atherosclerosis. Circulation Research, 2006, 99, 156-164.	4.5	541
8	Association Between IVUS Findings and Adverse Outcomes in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2011, 4, 894-901.	5.3	435
9	Identifying active vascular microcalcification by 18F-sodium fluoride positron emission tomography. Nature Communications, 2015, 6, 7495.	12.8	385
10	Vascular smooth muscle cell death, autophagy and senescence in atherosclerosis. Cardiovascular Research, 2018, 114, 622-634.	3.8	356
11	Chronic Apoptosis of Vascular Smooth Muscle Cells Accelerates Atherosclerosis and Promotes Calcification and Medial Degeneration. Circulation Research, 2008, 102, 1529-1538.	4.5	322
12	Detection of Atherosclerotic Inflammation by 68 Ga-DOTATATE PET Compared to [18 F]FDG PET Imaging. Journal of the American College of Cardiology, 2017, 69, 1774-1791.	2.8	321
13	Extensive Proliferation of a Subset of Differentiated, yet Plastic, Medial Vascular Smooth Muscle Cells Contributes to Neointimal Formation in Mouse Injury and Atherosclerosis Models. Circulation Research, 2016, 119, 1313-1323.	4.5	317
14	Vascular Smooth Muscle Cell Senescence Promotes Atherosclerosis and Features of Plaque Vulnerability. Circulation, 2015, 132, 1909-1919.	1.6	250
15	Distinct Epigenomic Features in End-Stage Failing Human Hearts. Circulation, 2011, 124, 2411-2422.	1.6	245
16	Apoptosis of vascular smooth muscle cells in vascular remodelling and atherosclerotic plaque rupture. Cardiovascular Research, 1999, 41, 361-368.	3.8	238
17	Impact of cellular senescence signature on ageing research. Ageing Research Reviews, 2011, 10, 146-152.	10.9	233
18	Monocyte/Macrophage Suppression in CD11b Diphtheria Toxin Receptor Transgenic Mice Differentially Affects Atherogenesis and Established Plaques. Circulation Research, 2007, 100, 884-893.	4.5	228

#	Article	IF	Citations
19	Vascular Smooth Muscle Cell Sirtuin 1 Protects Against DNA Damage and Inhibits Atherosclerosis. Circulation, 2013, 127, 386-396.	1.6	221
20	Disease-relevant transcriptional signatures identified in individual smooth muscle cells from healthy mouse vessels. Nature Communications, 2018, 9, 4567.	12.8	219
21	Mitochondrial DNA Damage Can Promote Atherosclerosis Independently of Reactive Oxygen Species Through Effects on Smooth Muscle Cells and Monocytes and Correlates With Higher-Risk Plaques in Humans. Circulation, 2013, 128, 702-712.	1.6	218
22	Senescent Vascular Smooth Muscle Cells Drive Inflammation Through an Interleukin-1Î±â€"Dependent Senescence-Associated Secretory Phenotype. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1963-1974.	2.4	211
23	Vascular Smooth Muscle Cell Apoptosis Induces Interleukin-1â€"Directed Inflammation. Circulation Research, 2010, 106, 363-372.	4.5	205
24	DNA Damage Links Mitochondrial Dysfunction to Atherosclerosis and the Metabolic Syndrome. Circulation Research, 2010, 107, 1021-1031.	4.5	199
25	Role of Pump Prime in the Etiology and Pathogenesis of Cardiopulmonary Bypassâ€"associated Acidosis. Anesthesiology, 2000, 93, 1170-1173.	2.5	198
26	Role of apoptosis in atherosclerosis and its therapeutic implications. Clinical Science, 2004, 107, 343-354.	4.3	198
27	Role of biomechanical forces in the natural history of coronary atherosclerosis. Nature Reviews Cardiology, 2016, 13, 210-220.	13.7	193
28	Differential DNA Methylation Correlates with Differential Expression of Angiogenic Factors in Human Heart Failure. PLoS ONE, 2010, 5, e8564.	2.5	182
29	Cooperative Interactions Between RB and p53 Regulate Cell Proliferation, Cell Senescence, and Apoptosis in Human Vascular Smooth Muscle Cells From Atherosclerotic Plaques. Circulation Research, 1998, 82, 704-712.	4.5	177
30	Disturbed Flow Promotes Endothelial Senescence via a p53-Dependent Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 985-995.	2.4	174
31	Intracellular Interleukin-1 Receptor 2 Binding Prevents Cleavage and Activity of Interleukin-1Î±, Controlling Necrosis-Induced Sterile Inflammation. Immunity, 2013, 38, 285-295.	14.3	172
32	Vascular smooth muscle cells in atherosclerosis: time for a re-assessment. Cardiovascular Research, 2021, 117, 2326-2339.	3.8	172
33	IN-STENT STENOSIS: PATHOLOGY AND IMPLICATIONS FOR THE DEVELOPMENT OF DRUG ELUTING STENTS. British Heart Journal, 2003, 89, 218-224.	2.1	169
34	Tumor Necrosis Factor-Î± Promotes Macrophage-Induced Vascular Smooth Muscle Cell Apoptosis by Direct and Autocrine Mechanisms. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1553-1558.	2.4	169
35	Apoptotic cell death in atherosclerosis. Current Opinion in Lipidology, 2003, 14, 469-475.	2.7	169
36	Endogenous p53 Protects Vascular Smooth Muscle Cells From Apoptosis and Reduces Atherosclerosis in ApoE Knockout Mice. Circulation Research, 2005, 96, 667-674.	4.5	160

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37	Vascular smooth muscle cell senescence in atherosclerosis. Cardiovascular Research, 2006, 72, 9-17.	3.8	159
38	The mitochondria-targeted antioxidant MitoQ decreases features of the metabolic syndrome in ATM+/â€"/ApoEâ€"/â€" mice. Free Radical Biology and Medicine, 2012, 52, 841-849.	2.9	154
39	The Coagulation and Immune Systems Are Directly Linked through the Activation of Interleukin-1Î± by Thrombin. Immunity, 2019, 50, 1033-1042.e6.	14.3	154
40	Mechanisms of angioplasty and stent restenosis: implications for design of rational therapy. , 2001, 91, 149-166.		143
41	Thrombin Generation by Apoptotic Vascular Smooth Muscle Cells. Blood, 1997, 89, 4378-4384.	1.4	140
42	Epicardial cells derived from human embryonic stem cells augment cardiomyocyte-driven heart regeneration. Nature Biotechnology, 2019, 37, 895-906.	17.5	139
43	Human Blood-Derived Macrophages Induce Apoptosis in Human Plaque-Derived Vascular Smooth Muscle Cells by Fas-Ligand/Fas Interactions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1402-1407.	2.4	130
44	Mitochondria in vascular disease. Cardiovascular Research, 2012, 95, 173-182.	3.8	130
45	SIRT6 Protects Smooth Muscle Cells From Senescence and Reduces Atherosclerosis. Circulation Research, 2021, 128, 474-491.	4.5	128
46	Tissue Inhibitor of Metalloproteinase-3 Induces a Fas-associated Death Domain-dependent Type II Apoptotic Pathway. Journal of Biological Chemistry, 2002, 277, 13787-13795.	3.4	126
47	Vascular Smooth Muscle Cell Plasticity and Autophagy in Dissecting Aortic Aneurysms. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1149-1159.	2.4	121
48	Mitochondrial Respiration Is Reduced in Atherosclerosis, Promoting Necrotic Core Formation and Reducing Relative Fibrous Cap Thickness. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2322-2332.	2.4	120
49	Is vascular smooth muscle cell proliferation beneficial?. Lancet, The, 1996, 347, 305-307.	13.7	118
50	DNA damage and repair in atherosclerosis. Cardiovascular Research, 2006, 71, 259-268.	3.8	117
51	Apoptosis of Rat Vascular Smooth Muscle Cells Is Regulated by p53-Dependent and -Independent Pathways. Circulation Research, 1995, 77, 266-273.	4.5	117
52	Ageing induced vascular smooth muscle cell senescence in atherosclerosis. Journal of Physiology, 2016, 594, 2115-2124.	2.9	115
53	Statins Use a Novel Nijmegen Breakage Syndrome-1â€"Dependent Pathway to Accelerate DNA Repair in Vascular Smooth Muscle Cells. Circulation Research, 2008, 103, 717-725.	4.5	114
54	Localization of the Death Domain of Tissue Inhibitor of Metalloproteinase-3 to the N Terminus. Journal of Biological Chemistry, 2000, 275, 41358-41363.	3.4	112

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55	Assessment of Unstable Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 714-720.	2.4	111
56	APOPTOSIS IN THE CARDIOVASCULAR SYSTEM. British Heart Journal, 2002, 87, 480-487.	2.1	103
57	Atherosclerotic Plaque Composition and Classification Identified by Coronary Computed Tomography. Circulation: Cardiovascular Imaging, 2013, 6, 655-664.	2.6	103
58	TNF-related apoptosis-inducing ligand (TRAIL) protects against diabetes and atherosclerosis in Apoe â˜'/â˜' mice. Diabetologia, 2011, 54, 3157-3167.	6.3	102
59	Regulation of p53 tetramerization and nuclear export by ARC. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20826-20831.	7.1	100
60	Mitochondrial DNA damage and atherosclerosis. Trends in Endocrinology and Metabolism, 2014, 25, 481-487.	7.1	99
61	The Emerging Role of Vascular Smooth Muscle Cell Apoptosis in Atherosclerosis and Plaque Stability. American Journal of Nephrology, 2006, 26, 531-535.	3.1	98
62	Human Macrophage-Induced Vascular Smooth Muscle Cell Apoptosis Requires NO Enhancement of Fas/Fas-L Interactions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1624-1630.	2.4	97
63	Apoptosis of vascular smooth muscle cells in atherosclerosis. Atherosclerosis, 1998, 138, 3-9.	0.8	95
64	Increased Sensitivity of Human Vascular Smooth Muscle Cells From Atherosclerotic Plaques to p53-Mediated Apoptosis. Circulation Research, 1997, 81, 591-599.	4.5	95
65	Proteome Analysis and Functional Expression Identify Mortalin as an Antiapoptotic Gene Induced by Elevation of [Na +] i /[K +] i Ratio in Cultured Vascular Smooth Muscle Cells. Circulation Research, 2002, 91, 915-922.	4.5	94
66	Genome-wide conserved consensus transcription factor binding motifs are hyper-methylated. BMC Genomics, 2010, 11, 519.	2.8	93
67	Myocardin Regulates Vascular Smooth Muscle Cell Inflammatory Activation and Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 817-828.	2.4	92
68	Akt isoforms in vascular disease. Vascular Pharmacology, 2015, 71, 57-64.	2.1	92
69	Reactive Oxygen Species and Death. Circulation Research, 2001, 88, 648-650.	4.5	90
70	DNA damage, p53, apoptosis and vascular disease. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 621, 75-86.	1.0	90
71	Restoring mitochondrial <scp>DNA</scp> copy number preserves mitochondrial function and delays vascular aging in mice. Aging Cell, 2018, 17, e12773.	6.7	90
72	Interferon-Î³ Induces Fas Trafficking and Sensitization to Apoptosis in Vascular Smooth Muscle Cells via a PI3K- and Akt-Dependent Mechanism. American Journal of Pathology, 2006, 168, 2054-2063.	3.8	86

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73	Cell death in atherosclerotic plaques. Current Opinion in Lipidology, 1996, 7, 324-329.	2.7	84
74	TRAIL Stimulates Proliferation of Vascular Smooth Muscle Cells via Activation of NF-Î°B and Induction of Insulin-like Growth Factor-1 Receptor. Journal of Biological Chemistry, 2008, 283, 7754-7762.	3.4	83
75	Effects of DNA Damage in Smooth Muscle Cells in Atherosclerosis. Circulation Research, 2015, 116, 816-826.	4.5	82
76	Defective Base Excision Repair of Oxidative DNA Damage in Vascular Smooth Muscle Cells Promotes Atherosclerosis. Circulation, 2018, 138, 1446-1462.	1.6	79
77	Coronary Plaque Structural Stress Is Associated With Plaque Composition and Subtype and Higher in Acute Coronary Syndrome. Circulation: Cardiovascular Imaging, 2014, 7, 461-470.	2.6	78
78	Direct Comparison of Virtual-Histology Intravascular Ultrasound and Optical Coherence Tomography Imaging for Identification of Thin-Cap Fibroatheroma. Circulation: Cardiovascular Imaging, 2015, 8, e003487.	2.6	78
79	Antisense Therapy for Angioplasty Restenosis. Circulation, 1995, 92, 1981-1993.	1.6	76
80	Akt Regulates the Survival of Vascular Smooth Muscle Cells via Inhibition of FoxO3a and GSK3. Journal of Biological Chemistry, 2008, 283, 19739-19747.	3.4	74
81	The regulation of vascular smooth muscle cell apoptosis. Cardiovascular Research, 2000, 45, 747-755.	3.8	72
82	TRAIL Promotes VSMC Proliferation and Neointima Formation in a FGF-2â€“, Sp1 Phosphorylationâ€“, and NFÎ°B-Dependent Manner. Circulation Research, 2010, 106, 1061-1071.	4.5	72
83	Expression, regulation and function of trail in atherosclerosis. Biochemical Pharmacology, 2008, 75, 1441-1450.	4.4	71
84	Ubiquitination and Degradation of the Anti-apoptotic Protein ARC by MDM2. Journal of Biological Chemistry, 2007, 282, 5529-5535.	3.4	70
85	Plaque Rupture in Coronary Atherosclerosis Is Associated With Increased Plaque Structural Stress. JACC: Cardiovascular Imaging, 2017, 10, 1472-1483.	5.3	69
86	The Role of p53 in Atherosclerosis. Cell Cycle, 2006, 5, 1907-1909.	2.6	68
87	Leukocyte Telomere Length Is Associated With High-Risk Plaques on Virtual Histology Intravascular Ultrasound and Increased Proinflammatory Activity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2157-2164.	2.4	68
88	The role of mitochondrial DNA damage in the development of atherosclerosis. Free Radical Biology and Medicine, 2016, 100, 223-230.	2.9	68
89	Impact of combined plaque structural stress and wall shear stress on coronary plaque progression, regression, and changes in composition. European Heart Journal, 2019, 40, 1411-1422.	2.2	68
90	Dual-energy computed tomography imaging to determine atherosclerotic plaque composition: A prospective study with tissue validation. Journal of Cardiovascular Computed Tomography, 2014, 8, 230-237.	1.3	64

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91	Smooth Muscle Cell Apoptosis Promotes Vessel Remodeling and Repair via Activation of Cell Migration, Proliferation, and Collagen Synthesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2402-2409.	2.4	61
92	Percutaneous Coronary Intervention Using Drug-Eluting Stents Versus Coronary Artery Bypass Grafting for Unprotected Left Main Coronary Artery Stenosis. Circulation: Cardiovascular Interventions, 2016, 9, .	3.9	61
93	Death Receptors and Their Ligands in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1694-1702.	2.4	60
94	Progenitor cell-derived smooth muscle cells in vascular disease. Biochemical Pharmacology, 2010, 79, 1706-1713.	4.4	60
95	Protection Against Necrosis but Not Apoptosis by Heat-Stress Proteins in Vascular Smooth Muscle Cells. Hypertension, 1999, 33, 906-913.	2.7	59
96	DNA Damage and Repair in Vascular Disease. Annual Review of Physiology, 2016, 78, 45-66.	13.1	59
97	Sensitivity to Fas-Mediated Apoptosis Is Determined Below Receptor Level in Human Vascular Smooth Muscle Cells. Circulation Research, 2000, 86, 1038-1046.	4.5	58
98	Bone Marrowâ€"Derived Smooth Muscleâ€"Like Cells Are Infrequent in Advanced Primary Atherosclerotic Plaques but Promote Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1291-1299.	2.4	58
99	Cell death in the cardiovascular system. Heart, 2007, 93, 659-664.	2.9	55
100	Nutrient deprivation regulates DNA damage repair in cardiomyocytes <i>via</i> loss of the baseâ€excision repair enzyme OGG1. FASEB Journal, 2012, 26, 2117-2124.	0.5	55
101	Plaque Structural Stress Estimations Improve Prediction of Future Major Adverse Cardiovascular Events After Intracoronary Imaging. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	55
102	Expansion and malapposition characteristics after bioresorbable vascular scaffold implantation. Catheterization and Cardiovascular Interventions, 2014, 84, 37-45.	1.7	52
103	Differential Gene Expression in Vascular Smooth Muscle Cells in Primary Atherosclerosis and In Stent Stenosis in Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 2030-2036.	2.4	51
104	Oxidative stress regulates IGF1R expression in vascular smooth-muscle cells via p53 and HDAC recruitment. Biochemical Journal, 2007, 407, 79-87.	3.7	50
105	Role of DNA damage in atherosclerosisâ€"Bystander or participant?. Biochemical Pharmacology, 2011, 82, 693-700.	4.4	50
106	Akt1 Regulates Vascular Smooth Muscle Cell Apoptosis Through FoxO3a and Apaf1 and Protects Against Arterial Remodeling and Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2421-2428.	2.4	50
107	Coronary CT angiography features of ruptured and high-risk atherosclerotic plaques: Correlation with intra-vascular ultrasound. Journal of Cardiovascular Computed Tomography, 2017, 11, 455-461.	1.3	48
108	FOXO3a (Forkhead Transcription Factor O Subfamily Member 3a) Links Vascular Smooth Muscle Cell Apoptosis, Matrix Breakdown, Atherosclerosis, and Vascular Remodeling Through a Novel Pathway Involving MMP13 (Matrix Metalloproteinase 13). Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 555-565.	2.4	48

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109	Discussion. Biochemical Pharmacology, 1999, 58, 1089-1095.	4.4	47
110	Intravascular ultrasound guidance improves clinical outcomes during implantation of both first- and second-generation drug-eluting stents: a meta-analysis. EuroIntervention, 2017, 12, 1632-1642.	3.2	47
111	Myocardin Regulates Vascular Response to Injury Through miR-24/-29a and Platelet-Derived Growth Factor Receptor-Î². Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2355-2365.	2.4	46
112	Ageing and atherosclerosis: Mechanisms and therapeutic options. Biochemical Pharmacology, 2008, 75, 1251-1261.	4.4	40
113	Heterogeneity of Plaque Structural Stress Is Increased in Plaques Leading to MACE. JACC: Cardiovascular Imaging, 2020, 13, 1206-1218.	5.3	40
114	68Ga-DOTATATE PET Identifies Residual Myocardial Inflammation andÂBone Marrow Activation After Myocardial Infarction. Journal of the American College of Cardiology, 2019, 73, 2489-2491.	2.8	37
115	New insights into atherosclerotic plaque rupture. Postgraduate Medical Journal, 2001, 77, 94-98.	1.8	36
116	Defining the Role of Vascular Smooth Muscle Cell Apoptosis in Atherosclerosis. Cell Cycle, 2006, 5, 2329-2331.	2.6	36
117	Human Vascular Smooth Muscle Cells From Restenosis or In-Stent Stenosis Sites Demonstrate Enhanced Responses to p53. Circulation Research, 2002, 90, 398-404.	4.5	35
118	The influence of computational strategy on prediction of mechanical stress in carotid atherosclerotic plaques: Comparison of 2D structure-only, 3D structure-only, one-way and fully coupled fluid-structure interaction analyses. Journal of Biomechanics, 2014, 47, 1465-1471.	2.1	35
119	Efficacy and limitations of senolysis in atherosclerosis. Cardiovascular Research, 2022, 118, 1713-1727.	3.8	34
120	TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis. IScience, 2019, 12, 41-52.	4.1	33
121	High-throughput sequencing identifies STAT3 as the DNA-associated factor for p53 - NF-kappaB - complex-dependent gene expression in human heart failure. Genome Medicine, 2010, 2, 37.	8.2	32
122	LGR5 Activates Noncanonical Wnt Signaling and Inhibits Aldosterone Production in the Human Adrenal. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E836-E844.	3.6	32
123	Telomere damage promotes vascular smooth muscle cell senescence and immune cell recruitment after vessel injury. Communications Biology, 2021, 4, 611.	4.4	32
124	Sirtuins in atherosclerosis: guardians of healthspan and therapeutic targets. Nature Reviews Cardiology, 2022, 19, 668-683.	13.7	32
125	Differential cyclin E expression in human in-stent stenosis smooth muscle cells identifies targets for selective anti-restenosis therapy. Cardiovascular Research, 2003, 60, 673-683.	3.8	31
126	Role of Fas/Fas-L in Vascular Cell Apoptosis. Journal of Cardiovascular Pharmacology, 2009, 53, 100-108.	1.9	31

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127	Hematopoietic IKBKE limits the chronicity of inflammasome priming and metaflammation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 506-511.	7.1	30
128	Rapamycin inhibits human in stent restenosis vascular smooth muscle cells independently of pRB phosphorylation and p53. Cardiovascular Research, 2005, 66, 601-610.	3.8	29
129	Heme oxygenase-1 gene transfer inhibits angiotensin II-mediated rat cardiac myocyte apoptosis but not hypertrophy. Journal of Cellular Physiology, 2006, 209, 1-7.	4.1	27
130	Identification of Coronary Plaque Sub-Types Using Virtual Histology Intravascular Ultrasound Is Affected by Inter-Observer Variability and Differences in Plaque Definitions. Circulation: Cardiovascular Imaging, 2012, 5, 86-93.	2.6	27
131	Epigenetic Regulation of Vascular Smooth Muscle Cells by Histone H3 Lysine 9 Dimethylation Attenuates Target Gene-Induction by Inflammatory Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2289-2302.	2.4	27
132	Embryological Origin of Human Smooth Muscle Cells Influences Their Ability to Support Endothelial Network Formation. Stem Cells Translational Medicine, 2016, 5, 946-959.	3.3	26
133	Intravascular ultrasound and optical coherence tomography imaging of coronary atherosclerosis. International Journal of Cardiovascular Imaging, 2016, 32, 189-200.	1.5	26
134	The Methyl Xanthine Caffeine Inhibits DNA Damage Signaling and Reactive Species and Reduces Atherosclerosis in ApoE ^{âˆ’/âˆ’} Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2461-2467.	2.4	25
135	Geographical miss is associated with vulnerable plaque and increased major adverse cardiovascular events in patients with myocardial infarction. Catheterization and Cardiovascular Interventions, 2016, 88, 340-347.	1.7	25
136	Breaking the Plaque. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 713-714.	2.4	24
137	Signalling from dead cells drives inflammation and vessel remodelling. Vascular Pharmacology, 2012, 56, 187-192.	2.1	24
138	Cause or Consequence. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 153-155.	2.4	23
139	Interleukin-1Î± Activity in Necrotic Endothelial Cells Is Controlled by Caspase-1 Cleavage of Interleukin-1 Receptor-2. Journal of Biological Chemistry, 2015, 290, 25188-25196.	3.4	23
140	Cell death and survival signalling in the cardiovascular system. Frontiers in Bioscience - Landmark, 2012, 17, 248.	3.0	22
141	cdc25A Is Necessary but Not Sufficient for Optimal c- <i>mycâ€“</i> Induced Apoptosis and Cell Proliferation of Vascular Smooth Muscle Cells. Circulation Research, 1999, 84, 820-830.	4.5	21
142	The CCR5 chemokine receptor mediates vasoconstriction and stimulates intimal hyperplasia in human vessels in vitro. Cardiovascular Research, 2014, 101, 513-521.	3.8	21
143	Impact of Fiber Structure on the Material Stability and Rupture Mechanisms of Coronary Atherosclerotic Plaques. Annals of Biomedical Engineering, 2017, 45, 1462-1474.	2.5	21
144	PKB/Akt activation inhibits p53â€mediated HIF1A degradation that is independent of MDM2. Journal of Cellular Physiology, 2010, 222, 635-639.	4.1	20

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145	DNA damage-dependent mechanisms of ageing and disease in the macro- and microvasculature. European Journal of Pharmacology, 2017, 816, 116-128.	3.5	20
146	Killing the old: cell senescence in atherosclerosis. Nature Reviews Cardiology, 2017, 14, 8-9.	13.7	20
147	Cytokine regulation of apoptosis-induced apoptosis and apoptosis-induced cell proliferation in vascular smooth muscle cells. Apoptosis: an International Journal on Programmed Cell Death, 2020, 25, 648-662.	4.9	20
148	Exploring the relationship between biomechanical stresses and coronary atherosclerosis. Atherosclerosis, 2020, 302, 43-51.	0.8	20
149	Novel Approach to Imaging Active Takayasu Arteritis Using Somatostatin Receptor Positron Emission Tomography/Magnetic Resonance Imaging. Circulation: Cardiovascular Imaging, 2020, 13, e010389.	2.6	18
150	GLPâ€1 Is a Coronary Artery Vasodilator in Humans. Journal of the American Heart Association, 2018, 7, e010321.	3.7	16
151	Pericoronary and periaortic adipose tissue density are associated with inflammatory disease activity in Takayasu arteritis and atherosclerosis. European Heart Journal Open, 2021, 1, oeab019.	2.3	15
152	Anatomical plaque and vessel characteristics are associated with hemodynamic indices including fractional flow reserve and coronary flow reserve: A prospective exploratory intravascular ultrasound analysis. International Journal of Cardiology, 2017, 248, 92-96.	1.7	14
153	Poor maternal nutrition programmes a pro-atherosclerotic phenotype in ApoEâˆ'/âˆ' mice. Clinical Science, 2012, 123, 251-257.	4.3	13
154	Assessment and consequences of cell senescence in atherosclerosis. Current Opinion in Lipidology, 2016, 27, 431-438.	2.7	13
155	Mitochondrial function in thoracic aortic aneurysms. Cardiovascular Research, 2018, 114, 1696-1698.	3.8	13
156	Apoptosis in vascular disease. Transplant Immunology, 1997, 5, 184-188.	1.2	12
157	Foxing Smooth Muscle Cells. Circulation Research, 2007, 100, 302-304.	4.5	11
158	Life and death in the atherosclerotic plaque. Current Opinion in Lipidology, 2010, 21, 422-426.	2.7	11
159	High-Sensitivity Troponin I Is Associated WithÂHigh-Risk Plaque and MACE in StableÂCoronary Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 1200-1203.	5.3	11
160	Tissue Inhibitor of Metalloproteinaseâ€“3 (TIMP-3) induces FAS dependent apoptosis in human vascular smooth muscle cells. PLoS ONE, 2018, 13, e0195116.	2.5	11
161	DNA glycosylase Neil3 regulates vascular smooth muscle cell biology during atherosclerosis development. Atherosclerosis, 2021, 324, 123-132.	0.8	11
162	Cell surface ILâ€1Î± trafficking is specifically inhibited by interferonâ€Î³, and associates with the membrane via ILâ€1R2 and GPI anchors. European Journal of Immunology, 2020, 50, 1663-1675.	2.9	11

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163	[3H]-thymidine labelling of DNA triggers apoptosis potentiated by E1A-adenoviral protein. Apoptosis: an International Journal on Programmed Cell Death, 2003, 8, 199-208.	4.9	9
164	Molecular insights into vascular aging. Aging, 2018, 10, 3647-3649.	3.1	9
165	Cholesterol crystals identified using optical coherence tomography and virtual histology intravascular ultrasound. EuroIntervention, 2015, 11, e1-e1.	3.2	9
166	Cell Death in Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2779-2780.	2.4	8
167	Mid-term clinical outcomes of ABSORB bioresorbable vascular scaffold implantation in a real-world population: A single-center experience. Cardiovascular Revascularization Medicine, 2015, 16, 461-464.	0.8	8
168	Optical coherence tomography imaging of coronary atherosclerosis is affected by intraobserver and interobserver variability. Journal of Cardiovascular Medicine, 2016, 17, 368-373.	1.5	8
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