Guido R Y De Meyer

List of Publications by Citations

227 papers	13,460 citations	50 h-index	112 g-index
254 ext. papers	15,178 ext. citations	5.7 avg, IF	6.22 L-index

#	Paper	IF	Citations
227	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
226	Apoptosis in human atherosclerosis and restenosis. *Circulation*, **1995**, 91, 2703-11	16.7	425
225	Caspase-3 Deletion Promotes Necrosis in Atherosclerotic Plaques of ApoE Knockout Mice. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 3087469	6.7	410
224	Apoptosis and related proteins in different stages of human atherosclerotic plaques. *Circulation*, **1998**, 97, 2307-15	16.7	353
223	Elevated levels of oxidative DNA damage and DNA repair enzymes in human atherosclerotic plaques. *Circulation*, **2002**, 106, 927-32	16.7	345
222	Phagocytosis of apoptotic cells by macrophages is impaired in atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 1256-61	9.4	328
221	Autophagy in atherosclerosis: a cell survival and death phenomenon with therapeutic potential. *Circulation Research*, **2009**, 104, 304-17	15.7	291
220	Animal models of atherosclerosis. *European Journal of Pharmacology*, **2017**, 816, 3-13	5.3	241
219	Vascular smooth muscle cell death, autophagy and senescence in atherosclerosis. *Cardiovascular Research*, **2018**, 114, 622-634	9.9	192
218	Phagocytosis in atherosclerosis: Molecular mechanisms and implications for plaque progression and stability. *Cardiovascular Research*, **2007**, 73, 470-80	9.9	187
217	Autophagy in vascular disease. *Circulation Research*, **2015**, 116, 468-79	15.7	176
216	Phagocytosis and macrophage activation associated with hemorrhagic microvessels in human atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 440-6	9.4	176
215	Selective clearance of macrophages in atherosclerotic plaques by autophagy. *Journal of the American College of Cardiology*, **2007**, 49, 706-15	15.1	167
214	Defective autophagy in vascular smooth muscle cells accelerates senescence and promotes neointima formation and atherogenesis. *Autophagy*, **2015**, 11, 2014-2032	10.2	157
213	Cell composition, replication, and apoptosis in atherosclerotic plaques after 6 months of cholesterol withdrawal. *Circulation Research*, **1998**, 83, 378-87	15.7	147
212	Autophagy in atherosclerosis: a potential drug target for plaque stabilization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 2787-91	9.4	142
211	Autophagy in disease: a double-edged sword with therapeutic potential. *Clinical Science*, **2009**, 116, 697-712	7.52	138

210	Oxidative DNA damage and repair in experimental atherosclerosis are reversed by dietary lipid lowering. *Circulation Research*, **2001**, 88, 733-9	15.7	138
209	mTOR inhibition: a promising strategy for stabilization of atherosclerotic plaques. *Atherosclerosis*, **2014**, 233, 601-607	3.1	132
208	Autophagy in the cardiovascular system. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2009**, 1793, 1485-95	4.9	129
207	Autophagy in cardiovascular disease. *Trends in Molecular Medicine*, **2007**, 13, 482-91	11.5	127
206	In situ detection of starvation-induced autophagy. *Journal of Histochemistry and Cytochemistry*, **2006**, 54, 85-96	3.4	116
205	In vivo temperature heterogeneity of atherosclerotic plaques is determined by plaque composition. *Circulation*, **2002**, 105, 1596-601	16.7	115
204	Platelet phagocytosis and processing of beta-amyloid precursor protein as a mechanism of macrophage activation in atherosclerosis. *Circulation Research*, **2002**, 90, 1197-204	15.7	115
203	7-ketocholesterol induces protein ubiquitination, myelin figure formation, and light chain 3 processing in vascular smooth muscle cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 2296-301	9.4	111
202	Vascular endothelial dysfunction. *Progress in Cardiovascular Diseases*, **1997**, 39, 325-42	8.5	109
201	Elastin fragmentation in atherosclerotic mice leads to intraplaque neovascularization, plaque rupture, myocardial infarction, stroke, and sudden death. *European Heart Journal*, **2015**, 36, 1049-58	9.5	108
200	Triphasic sequence of neointimal formation in the cuffed carotid artery of the rabbit. *Arteriosclerosis and Thrombosis: A Journal of Vascular Biology*, **1992**, 12, 1447-57		99
199	Reactive oxygen species induce RNA damage in human atherosclerosis. *European Journal of Clinical Investigation*, **2004**, 34, 323-7	4.6	98
198	Distribution of cell replication and apoptosis in atherosclerotic plaques of cholesterol-fed rabbits. *Atherosclerosis*, **1996**, 120, 115-24	3.1	96
197	Inducible nitric oxide synthase colocalizes with signs of lipid oxidation/peroxidation in human atherosclerotic plaques. *Cardiovascular Research*, **1999**, 43, 744-54	9.9	92
196	Role of autophagy in heart failure associated with aging. *Heart Failure Reviews*, **2010**, 15, 423-30	5	85
195	Autophagy in atherosclerosis. *Current Atherosclerosis Reports*, **2008**, 10, 216-23	6	80
194	Defective Autophagy in Atherosclerosis: To Die or to Senesce?. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 7687083	6.7	78
193	Endothelial Senescence Contributes to Heart Failure With Preserved Ejection Fraction in an Aging Mouse Model. *Circulation: Heart Failure*, **2017**, 10,	7.6	77

192	Everolimus-induced mTOR inhibition selectively depletes macrophages in atherosclerotic plaques by autophagy. *Autophagy*, **2007**, 3, 241-4	10.2	77
191	Necrotic cell death in atherosclerosis. *Basic Research in Cardiology*, **2011**, 106, 749-60	11.8	76
190	In vivo antioxidative activity of a quantified Pueraria lobata root extract. *Journal of Ethnopharmacology*, **2010**, 127, 112-7	5	72
189	Macrophage Death as a Pharmacological Target in Atherosclerosis. *Frontiers in Pharmacology*, **2019**, 10, 306	5.6	69
188	Impaired fibrillin-1 function promotes features of plaque instability in apolipoprotein E-deficient mice. *Circulation*, **2009**, 120, 2478-87	16.7	68
187	Potential therapeutic effects of mTOR inhibition in atherosclerosis. *British Journal of Clinical Pharmacology*, **2016**, 82, 1267-1279	3.8	66
186	The endothelium during cuff-induced neointima formation in the rabbit carotid artery. *Arteriosclerosis and Thrombosis: A Journal of Vascular Biology*, **1993**, 13, 1874-84		64
185	Possible mechanisms of collar-induced intimal thickening. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 1924-30	9.4	63
184	Foam cell replication and smooth muscle cell apoptosis in human saphenous vein grafts. *Histopathology*, **1994**, 25, 365-71	7.3	63
183	Dipeptidyl peptidases in atherosclerosis: expression and role in macrophage differentiation, activation and apoptosis. *Basic Research in Cardiology*, **2013**, 108, 350	11.8	61
182	Gene expression profiling of apoptosis-related genes in human atherosclerosis: upregulation of death-associated protein kinase. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2002**, 22, 2023-9	9.4	61
181	Expression and spatial heterogeneity of dipeptidyl peptidases in endothelial cells of conduct vessels and capillaries. *Biological Chemistry*, **2011**, 392, 189-98	4.5	59
180	Immunohistochemical analysis of macroautophagy: recommendations and limitations. *Autophagy*, **2013**, 9, 386-402	10.2	57
179	Detection of autophagy in tissue by standard immunohistochemistry: possibilities and limitations. *Autophagy*, **2006**, 2, 55-7	10.2	57
178	Intimal deposition of functional von Willebrand factor in atherogenesis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1999**, 19, 2524-34	9.4	52
177	Toll-like receptor 7 stimulation by imiquimod induces macrophage autophagy and inflammation in atherosclerotic plaques. *Basic Research in Cardiology*, **2012**, 107, 269	11.8	50
176	Selective depletion of macrophages in atherosclerotic plaques via macrophage-specific initiation of cell death. *Trends in Cardiovascular Medicine*, **2007**, 17, 69-75	6.9	50
175	mTOR Inhibition and Cardiovascular Diseases: Dyslipidemia and Atherosclerosis. *Transplantation*, **2018**, 102, S44-S46	1.8	49

174	The protein synthesis inhibitor anisomycin induces macrophage apoptosis in rabbit atherosclerotic plaques through p38 mitogen-activated protein kinase. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 329, 856-64	4.7	47
173	Luminal foam cell accumulation is associated with smooth muscle cell death in the intimal thickening of human saphenous vein grafts. *Circulation*, **1996**, 94, 1255-62	16.7	47
172	Spermidine reduces lipid accumulation and necrotic core formation in atherosclerotic plaques via induction of autophagy. *Atherosclerosis*, **2016**, 251, 319-327	3.1	46
171	Methods to assess autophagy in situ--transmission electron microscopy versus immunohistochemistry. *Methods in Enzymology*, **2014**, 543, 89-114	1.7	45
170	Mechanisms of neointima formation--lessons from experimental models. *Vascular Medicine*, **1997**, 2, 179-89	3.3	45
169	Amino acid deprivation induces both apoptosis and autophagy in murine C2C12 muscle cells. *Biotechnology Letters*, **2005**, 27, 1157-63	3	45
168	Defective autophagy in vascular smooth muscle cells alters contractility and Ca+ homeostasis in mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 308, H557-67	5.2	44
167	Neointima formation impairs endothelial muscarinic receptors while enhancing prostacyclin-mediated responses in the rabbit carotid artery. *Circulation Research*, **1991**, 68, 1669-80	15.7	43
166	ATG4B inhibitors with a benzotropolone core structure block autophagy and augment efficiency of chemotherapy in mice. *Biochemical Pharmacology*, **2017**, 138, 150-162	6	42
165	Inhibitory actions of the NRG-1/ErbB4 pathway in macrophages during tissue fibrosis in the heart, skin, and lung. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H934-H945	5.2	42
164	Cellular senescence links aging and diabetes in cardiovascular disease. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H448-H462	5.2	41
163	Effect of nitric oxide donors on neointima formation and vascular reactivity in the collared carotid artery of rabbits. *Journal of Cardiovascular Pharmacology*, **1995**, 26, 272-9	3.1	40
162	Dexamethasone influences intimal thickening and vascular reactivity in the rabbit collared carotid artery. *European Journal of Pharmacology*, **1995**, 294, 753-61	5.3	40
161	Validation of in vivo plaque characterisation by virtual histology in a rabbit model of atherosclerosis. *EuroIntervention*, **2009**, 5, 149-56	3.1	39
160	Drug-induced macrophage autophagy in atherosclerosis: for better or worse?. *Basic Research in Cardiology*, **2013**, 108, 321	11.8	36
159	Elastic and Muscular Arteries Differ in Structure, Basal NO Production and Voltage-Gated Ca(2+)-Channels. *Frontiers in Physiology*, **2015**, 6, 375	4.6	36
158	Selective clearance of macrophages in atherosclerotic plaques by the protein synthesis inhibitor cycloheximide. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 320, 986-93	4.7	36
157	The modulation of smooth muscle cell phenotype is an early event in human aorto-coronary saphenous vein grafts. *Virchows Archiv A, Pathological Anatomy and Histopathology*, **1992**, 420, 155-62		34

156	Chronic intermittent mental stress promotes atherosclerotic plaque vulnerability, myocardial infarction and sudden death in mice. *Atherosclerosis*, **2015**, 242, 288-94	3.1	33
155	Flow cytometric evaluation of a model for phagocytosis of cells undergoing apoptosis. *Journal of Immunological Methods*, **2004**, 287, 101-8	2.5	33
154	Influence of chronic treatment with a nitric oxide donor on fatty streak development and reactivity of the rabbit aorta. *British Journal of Pharmacology*, **1995**, 114, 1371-82	8.6	33
153	Western blot analysis of a limited number of cells: a valuable adjunct to proteome analysis of paraffin wax-embedded, alcohol-fixed tissue after laser capture microdissection. *Journal of Pathology*, **2004**, 202, 382-8	9.4	32
152	Intravascular thermography: Immediate functional and morphological vascular findings. *European Heart Journal*, **2004**, 25, 158-65	9.5	32
151	Fibrin(ogen) and von Willebrand factor deposition are associated with intimal thickening after balloon angioplasty of the rabbit carotid artery. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 634-45	9.4	32
150	High frequency ultrasound to assess skin thickness in healthy adults. *Vaccine*, **2017**, 35, 1810-1815	4.1	31
149	Overexpression of the anti-apoptotic caspase-2 short isoform in macrophage-derived foam cells of human atherosclerotic plaques. *American Journal of Pathology*, **2003**, 162, 731-6	5.8	31
148	Inhibition of inositol monophosphatase by lithium chloride induces selective macrophage apoptosis in atherosclerotic plaques. *British Journal of Pharmacology*, **2011**, 162, 1410-23	8.6	30
147	mRNA but not plasmid DNA is efficiently transfected in murine J774A.1 macrophages. *Biochemical and Biophysical Research Communications*, **2005**, 327, 356-60	3.4	29
146	Cholesterol-independent effects of atorvastatin prevent cardiovascular morbidity and mortality in a mouse model of atherosclerotic plaque rupture. *Vascular Pharmacology*, **2016**, 80, 50-8	5.9	28
145	Dissecting out the complex Ca2+-mediated phenylephrine-induced contractions of mouse aortic segments. *PLoS ONE*, **2015**, 10, e0121634	3.7	28
144	Molecular and cellular mechanisms of macrophage survival in atherosclerosis. *Basic Research in Cardiology*, **2012**, 107, 297	11.8	28
143	Decreased numbers of peripheral blood dendritic cells in patients with coronary artery disease are associated with diminished plasma Flt3 ligand levels and impaired plasmacytoid dendritic cell function. *Clinical Science*, **2011**, 120, 415-26	6.5	28
142	Immunohistochemical characterisation of dendritic cells in human atherosclerotic lesions: possible pitfalls. *Pathology*, **2011**, 43, 239-47	1.6	28
141	Differential effect of the protein synthesis inhibitors puromycin and cycloheximide on vascular smooth muscle cell viability. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 325, 824-32	4.7	28
140	Western array analysis of human atherosclerotic plaques: downregulation of apoptosis-linked gene 2. *Cardiovascular Research*, **2003**, 60, 259-67	9.9	28
139	The effect of a developing neo-intima on serotonergic and adrenergic contractions. *European Journal of Pharmacology*, **1990**, 187, 519-24	5.3	28

138	Periadventitial inducible nitric oxide synthase expression and intimal thickening. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2000**, 20, 1896-902	9.4	27
137	Proteasome inhibitor bortezomib promotes a rupture-prone plaque phenotype in ApoE-deficient mice. *Basic Research in Cardiology*, **2010**, 105, 39-50	11.8	26
136	z-VAD-fmk-induced non-apoptotic cell death of macrophages: possibilities and limitations for atherosclerotic plaque stabilization. *Autophagy*, **2006**, 2, 312-4	10.2	26
135	Development and Validation of a Histological Method to Measure Microvessel Density in Whole-Slide Images of Cancer Tissue. *PLoS ONE*, **2016**, 11, e0161496	3.7	26
134	Dietary Polyphenols Targeting Arterial Stiffness: Interplay of Contributing Mechanisms and Gut Microbiome-Related Metabolism. *Nutrients*, **2019**, 11,	6.7	25
133	Contribution of transient and sustained calcium influx, and sensitization to depolarization-induced contractions of the intact mouse aorta. *BMC Physiology*, **2012**, 12, 9	0	25
132	Multi-slice computed tomography with N1177 identifies ruptured atherosclerotic plaques in rabbits. *Basic Research in Cardiology*, **2010**, 105, 51-9	11.8	25
131	Nitric oxide donor molsidomine favors features of atherosclerotic plaque stability during cholesterol lowering in rabbits. *Journal of Cardiovascular Pharmacology*, **2003**, 41, 970-8	3.1	25
130	Vasoconstrictor responses after neo-intima formation and endothelial removal in the rabbit carotid artery. *British Journal of Pharmacology*, **1994**, 112, 471-6	8.6	25
129	Phagocytosis of bacteria is enhanced in macrophages undergoing nutrient deprivation. *FEBS Journal*, **2009**, 276, 2227-40	5.7	24
128	Neuregulin-1 attenuates stress-induced vascular senescence. *Cardiovascular Research*, **2018**, 114, 1041-1051	7.7	23
127	Assessment of shear stress related parameters in the carotid bifurcation using mouse-specific FSI simulations. *Journal of Biomechanics*, **2016**, 49, 2135-2142	2.9	23
126	The Dipeptidyl Peptidases 4, 8, and 9 in Mouse Monocytes and Macrophages: DPP8/9 Inhibition Attenuates M1 Macrophage Activation in Mice. *Inflammation*, **2016**, 39, 413-424	5.1	23
125	Everolimus triggers cytokine release by macrophages: rationale for stents eluting everolimus and a glucocorticoid. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 1228-35	9.4	23
124	Macrophages but not smooth muscle cells undergo benzyloxycarbonyl-Val-Ala-DL-Asp(O-Methyl)-fluoromethylketone-induced nonapoptotic cell death depending on receptor-interacting protein 1 expression: implications for the stabilization of macrophage-rich atherosclerotic plaques. *Journal of Pharmacology and Experimental Therapeutics*,	4.7	23
123	Smooth muscle cell hypertrophy in varicose veins is associated with expression of estrogen receptor-beta. *Journal of Vascular Research*, **2005**, 42, 8-12	1.9	23
122	RNA damage in human atherosclerosis: pathophysiological significance and implications for gene expression studies. *RNA Biology*, **2005**, 2, 4-7	4.8	22
121	A novel set-up for the ex vivo analysis of mechanical properties of mouse aortic segments stretched at physiological pressure and frequency. *Journal of Physiology*, **2016**, 594, 6105-6115	3.9	21

120	Transglutaminase 2 deficiency decreases plaque fibrosis and increases plaque inflammation in apolipoprotein-E-deficient mice. *Journal of Vascular Research*, **2010**, 47, 231-40	1.9	21
119	In vivo inhibition of dipeptidyl peptidase IV activity by pro-pro-diphenyl-phosphonate (Prodipine). *Biochemical Pharmacology*, **1997**, 54, 173-9	6	21
118	Chronic Exposure to Exogenous Nitric Oxide May Suppress Its Endogenous Release and Efficacy. *Journal of Cardiovascular Pharmacology*, **1991**, 17, S79-S82	3.1	21
117	The role of endothelial cells in the relaxations induced by 13-hydroxy- and 13-hydroperoxylinoleic acid in canine arteries. *British Journal of Pharmacology*, **1992**, 107, 597-603	8.6	21
116	Vascular smooth muscle cell contraction and relaxation in the isolated aorta: a critical regulator of large artery compliance. *Physiological Reports*, **2019**, 7, e13934	2.6	20
115	Therapeutic strategies to deplete macrophages in atherosclerotic plaques. *British Journal of Clinical Pharmacology*, **2012**, 74, 246-63	3.8	20
114	Processing of amyloid precursor protein as a biochemical link between atherosclerosis and Alzheimer's disease. *Cardiovascular & Hematological Disorders Drug Targets*, **2006**, 6, 21-34	1.1	20
113	Effect of non-steroidal anti-inflammatory drugs on amyloid-beta formation and macrophage activation after platelet phagocytosis. *Journal of Cardiovascular Pharmacology*, **2004**, 43, 462-70	3.1	20
112	Dipeptidyl peptidase II and leukocyte cell death. *Biochemical Pharmacology*, **2006**, 72, 70-9	6	19
111	Continuous administration of the mTORC1 inhibitor everolimus induces tolerance and decreases autophagy in mice. *British Journal of Pharmacology*, **2016**, 173, 3359-3371	8.6	18
110	Shear Stress Metrics and Their Relation to Atherosclerosis: An In Vivo Follow-up Study in Atherosclerotic Mice. *Annals of Biomedical Engineering*, **2016**, 44, 2327-2338	4.7	18
109	Pharmacological strategies to inhibit intra-plaque angiogenesis in atherosclerosis. *Vascular Pharmacology*, **2019**, 112, 72-78	5.9	18
108	Attenuated atherogenesis in apolipoprotein E-deficient mice lacking amyloid precursor protein. *Atherosclerosis*, **2011**, 216, 54-8	3.1	18
107	Nitric oxide selectively depletes macrophages in atherosclerotic plaques via induction of endoplasmic reticulum stress. *British Journal of Pharmacology*, **2007**, 152, 493-500	8.6	18
106	Early atherosclerosis is accompanied by a decreased rather than an increased accumulation of fatty acid hydroxyderivatives. *Biochemical Pharmacology*, **1991**, 42, 279-83	6	18
105	Intraplaque neovascularization as a novel therapeutic target in advanced atherosclerosis. *Expert Opinion on Therapeutic Targets*, **2016**, 20, 1247-57	6.4	18
104	Selective loss of basal but not receptor-stimulated relaxation by endothelial nitric oxide synthase after isolation of the mouse aorta. *European Journal of Pharmacology*, **2012**, 696, 111-9	5.3	17
103	Pharmacological modulation of cell death in atherosclerosis: a promising approach towards plaque stabilization?. *British Journal of Pharmacology*, **2011**, 164, 1-13	8.6	17

102	Expression of dendritic cell markers CD11c/BDCA-1 and CD123/BDCA-2 in coronary artery disease upon activation in whole blood. *Journal of Immunological Methods*, **2010**, 362, 168-75	2.5	17
101	Partial Inhibition of Glycolysis Reduces Atherogenesis Independent of Intraplaque Neovascularization in Mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 1168-1181	9.4	16
100	Adiponectin and ischemia-reperfusion injury in ST segment elevation myocardial infarction. *European Heart Journal: Acute Cardiovascular Care*, **2016**, 5, 71-6	4.3	16
99	Isometric Stretch Alters Vascular Reactivity of Mouse Aortic Segments. *Frontiers in Physiology*, **2017**, 8, 157	4.6	16
98	Consumer choice between common generic and brand medicines in a country with a small generic market. *Journal of Managed Care & Specialty Pharmacy*, **2015**, 21, 288-96	1.9	16
97	Standard Immunohistochemical Assays to Assess Autophagy in Mammalian Tissue. *Cells*, **2017**, 6,	7.9	15
96	Study of potential systemic oxidative stress animal models for the evaluation of antioxidant activity: status of lipid peroxidation and fat-soluble antioxidants. *Journal of Pharmacy and Pharmacology*, **2007**, 59, 131-6	4.8	15
95	Longitudinally oriented smooth muscle cells in rabbit arteries. *Virchows Archiv A, Pathological Anatomy and Histopathology*, **1993**, 422, 293-9		15
94	Linking CD11b (+) Dendritic Cells and Natural Killer T Cells to Plaque Inflammation in Atherosclerosis. *Mediators of Inflammation*, **2016**, 2016, 6467375	4.3	15
93	Mitochondrial uncoupling protein 2 mediates temperature heterogeneity in atherosclerotic plaques. *Cardiovascular Research*, **2008**, 77, 425-31	9.9	14
92	Role of polymorphonuclear leukocytes in collar-induced intimal thickening in the rabbit carotid artery. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1998**, 18, 915-21	9.4	14
91	Axitinib attenuates intraplaque angiogenesis, haemorrhages and plaque destabilization in mice. *Vascular Pharmacology*, **2018**, 100, 34-40	5.9	14
90	Impaired gait pattern as a sensitive tool to assess hypoxic brain damage in a novel mouse model of atherosclerotic plaque rupture. *Physiology and Behavior*, **2015**, 139, 397-402	3.5	13
89	Effect of angiotensin II-induced arterial hypertension on the voltage-dependent contractions of mouse arteries. *Pflugers Archiv European Journal of Physiology*, **2016**, 468, 257-67	4.6	13
88	L-type Ca2+ channel blockers inhibit the window contraction of mouse aorta segments with high affinity. *European Journal of Pharmacology*, **2014**, 738, 170-8	5.3	13
87	Effect of statins on the viability of macrophages and smooth muscle cells. *Journal of Cardiovascular Pharmacology*, **2010**, 55, 269-75	3.1	13
86	Basal activity of voltage-gated Ca(2+) channels controls the IP3-mediated contraction by (1)-adrenoceptor stimulation of mouse aorta segments. *European Journal of Pharmacology*, **2015**, 760, 163-71	5.3	12
85	Novel drug discovery strategies for atherosclerosis that target necrosis and necroptosis. *Expert Opinion on Drug Discovery*, **2018**, 13, 477-488	6.2	12

84	Evaluating the implementation fidelity of New Medicines Service for asthma patients in community pharmacies in Belgium. *Research in Social and Administrative Pharmacy*, **2017**, 13, 98-108	2.9	11
83	The influence of anesthesia and fluid-structure interaction on simulated shear stress patterns in the carotid bifurcation of mice. *Journal of Biomechanics*, **2016**, 49, 2741-2747	2.9	11
82	Selective removal of macrophages in atherosclerotic plaques as a pharmacological approach for plaque stabilization: benefits versus potential complications. *Current Vascular Pharmacology*, **2010**, 8, 495-508	3.3	11
81	NecroX-7 reduces necrotic core formation in atherosclerotic plaques of Apoe knockout mice. *Atherosclerosis*, **2016**, 252, 166-174	3.1	11
80	Small molecule 3PO inhibits glycolysis but does not bind to 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase-3 (PFKFB3). *FEBS Letters*, **2020**, 594, 3067-3075	3.8	10
79	Autophagy as an emerging therapeutic target for age-related vascular pathologies. *Expert Opinion on Therapeutic Targets*, **2020**, 24, 131-145	6.4	10
78	Vulnerable plaque detection and quantification with gold particle-enhanced computed tomography in atherosclerotic mouse models. *Molecular Imaging*, **2015**, 14,	3.7	10
77	Effect of angiotensin-converting enzyme inhibition on intimal thickening in rabbit collared carotid artery. *Journal of Cardiovascular Pharmacology*, **1995**, 26, 614-20	3.1	10
76	Platelet Adhesion to Subendothelial Structures under Flow Conditions: No Effect of the Lipoxygenase Product 13-HODE. *Thrombosis and Haemostasis*, **1989**, 62, 802-806	7	10
75	Potential impact of policy regulation and generic competition on sales of cholesterol lowering medication, antidepressants and acid blocking agents in Belgium. *Acta Clinica Belgica*, **2012**, 67, 160-71	1.8	10
74	Everolimus depletes plaque macrophages, abolishes intraplaque neovascularization and improves survival in mice with advanced atherosclerosis. *Vascular Pharmacology*, **2019**, 113, 70-76	5.9	10
73	Cytoprotective effects of transgenic neuroglobin overexpression in an acute and chronic mouse model of ischemic heart disease. *Heart and Vessels*, **2018**, 33, 80-88	2.1	10
72	Nitric oxide donor molsidomine favors features of atherosclerotic plaque stability and reduces myocardial infarction in mice. *Vascular Pharmacology*, **2019**, 118-119, 106561	5.9	9
71	Selective muscarinic alterations of nitric oxide-mediated relaxations by neointima. *Journal of Cardiovascular Pharmacology*, **1992**, 20 Suppl 12, S205-7	3.1	9
70	Inhibitor screening and enzymatic activity determination for autophagy target Atg4B using a gel electrophoresis-based assay. *European Journal of Medicinal Chemistry*, **2016**, 123, 631-638	6.8	9
69	Defective autophagy in vascular smooth muscle cells increases passive stiffness of the mouse aortic vessel wall. *Pflugers Archiv European Journal of Physiology*, **2020**, 472, 1031-1040	4.6	8
68	Histopathologic evaluation of a novel-design nitinol stent: the Biflex stent. *International Journal of Cardiovascular Interventions*, **2004**, 6, 13-9		8
67	Collar-induced elevation of mRNA and functional activity of 5-HT(1B) receptor in the rabbit carotid artery. *British Journal of Pharmacology*, **2000**, 131, 1723-31	8.6	8

66	Decreased apoptosis and tissue factor expression after lipid lowering. *Circulation*, **2000**, 102, E99	16.7	8
65	Predictive tissue biomarkers for bevacizumab-containing therapy in metastatic colorectal cancer: an update. *Expert Review of Molecular Diagnostics*, **2015**, 15, 399-414	3.8	7
64	Fibrillin-1 impairment enhances blood-brain barrier permeability and xanthoma formation in brains of apolipoprotein E-deficient mice. *Neuroscience*, **2015**, 295, 11-22	3.9	7
63	Pharmaceutical countermeasures have opposite effects on the utricles and semicircular canals in man. *Audiology and Neuro-Otology*, **2012**, 17, 235-42	2.2	7
62	Cell death-mediated cleavage of the attraction signal p43 in human atherosclerosis: implications for plaque destabilization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 1415-22	9.4	7
61	Long-Term Depletion of Conventional Dendritic Cells Cannot Be Maintained in an Atherosclerotic Zbtb46-DTR Mouse Model. *PLoS ONE*, **2017**, 12, e0169608	3.7	7
60	Nitric Oxide and Vascular Endothelial Dysfunction **2000**, 547-567		7
59	Improved animal models for testing gene therapy for atherosclerosis. *Human Gene Therapy Methods*, **2014**, 25, 106-14	4.9	6
58	Contribution of □adrenoceptor stimulation by phenylephrine to basal nitric oxide production in the isolated mouse aorta. *Journal of Cardiovascular Pharmacology*, **2013**, 61, 318-23	3.1	6
57	The effect of chronic treatment with NO donors during intimal thickening and fatty streak formation. *BioFactors*, **1997**, 6, 209-15	6.1	6
56	Inflammation, Nitro-Oxidative Stress, Impaired Autophagy, and Insulin Resistance as a Mechanistic Convergence Between Arterial Stiffness and Alzheimer's Disease. *Frontiers in Molecular Biosciences*, **2021**, 8, 651215	5.6	6
55	The relationship between pre-existing subendothelial smooth muscle cell accumulations and foam cell lesions in cholesterol-fed rabbits. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **1994**, 425, 41-7	5.1	5
54	The Protective Effects of the Autophagic and Lysosomal Machinery in Vascular and Valvular Calcification: A Systematic Review. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
53	Impact of myeloid RIPK1 gene deletion on atherogenesis in ApoE-deficient mice. *Atherosclerosis*, **2021**, 322, 51-60	3.1	5
52	Serum Corticosterone and Insulin Resistance as Early Biomarkers in the hAPP23 Overexpressing Mouse Model of Alzheimer's Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
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