

# Guido R Y De Meyer

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9023782/guido-r-y-de-meyer-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Age-related cognitive decline in spatial learning and memory of C57BL/6J mice. <i>Behavioural Brain Research</i> , <b>2022</b> , 418, 113649	3.4	1
226	Autophagy in the vasculature <b>2022</b> , 257-268		
225	Mouse aortic biomechanics are affected by short-term defective autophagy in vascular smooth muscle cells.. <i>Journal of Physiological Sciences</i> , <b>2022</b> , 72, 7	2.3	0
224	Endothelial dysfunction aggravates arterial media calcification in warfarin administered rats.. <i>FASEB Journal</i> , <b>2022</b> , 36, e22315	0.9	3
223	The Impact of RIPK1 Kinase Inhibition on Atherogenesis: A Genetic and a Pharmacological Approach. <i>Biomedicines</i> , <b>2022</b> , 10, 1016	4.8	0
222	Basal Vascular Smooth Muscle Cell Tone in eNOS Knockout Mice Can Be Reversed by Cyclic Stretch and Is Independent of Age.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 882527	4.6	1
221	Gasdermin D Deficiency Limits the Transition of Atherosclerotic Plaques to an Inflammatory Phenotype in ApoE Knock-Out Mice. <i>Biomedicines</i> , <b>2022</b> , 10, 1171	4.8	1
220	ATG4B Inhibitor UAMC-2526 Potentiates the Chemotherapeutic Effect of Gemcitabine in a Panc02 Mouse Model of Pancreatic Ductal Adenocarcinoma. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 750259	5.3	0
219	High Pulsatile Load Decreases Arterial Stiffness: An Study. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 741346	4.6	2
218	Endothelial Contribution to Warfarin-Induced Arterial Media Calcification in Mice. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
217	Inflammation, Nitro-Oxidative Stress, Impaired Autophagy, and Insulin Resistance as a Mechanistic Convergence Between Arterial Stiffness and Alzheimer's Disease. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 651215	5.6	6
216	Impact of myeloid RIPK1 gene deletion on atherogenesis in ApoE-deficient mice. <i>Atherosclerosis</i> , <b>2021</b> , 322, 51-60	3.1	5
215	The PFKFB3 Inhibitor AZ67 Inhibits Angiogenesis Independently of Glycolysis Inhibition. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
214	Neuregulin-1 compensates for endothelial nitric oxide synthase deficiency. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H2416-H2428	5.2	1
213	Serum Corticosterone and Insulin Resistance as Early Biomarkers in the hAPP23 Overexpressing Mouse Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
212	Qualitative study of medication review in Flanders, Belgium among community pharmacists and general practitioners. <i>International Journal of Clinical Pharmacy</i> , <b>2021</b> , 43, 1173-1182	2.3	1
211	Doxorubicin induces arterial stiffness: A comprehensive in vivo and ex vivo evaluation of vascular toxicity in mice. <i>Toxicology Letters</i> , <b>2021</b> , 346, 23-33	4.4	4

210	PFKFB3 gene deletion in endothelial cells inhibits intraplaque angiogenesis and lesion formation in a murine model of venous bypass grafting. <i>Angiogenesis</i> , <b>2021</b> , 1	10.6	1
209	Altered stress hormone levels affect in vivo vascular function in the hAPP23 overexpressing mouse model of Alzheimer's disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 321, H905-H919	5.2	0
208	Defective autophagy in vascular smooth muscle cells increases passive stiffness of the mouse aortic vessel wall. <i>Pflügers Archiv European Journal of Physiology</i> , <b>2020</b> , 472, 1031-1040	4.6	8
207	Partial Inhibition of Glycolysis Reduces Atherogenesis Independent of Intraplaque Neovascularization in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 1168-1181	9.4	16
206	INSPIRE: A European training network to foster research and training in cardiovascular safety pharmacology. <i>Journal of Pharmacological and Toxicological Methods</i> , <b>2020</b> , 105, 106889	1.7	0
205	Three-Dimensional Imaging of Intraplaque Neovascularization in a Mouse Model of Advanced Atherosclerosis. <i>Journal of Vascular Research</i> , <b>2020</b> , 57, 348-354	1.9	3
204	Small molecule 3PO inhibits glycolysis but does not bind to 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase-3 (PFKFB3). <i>FEBS Letters</i> , <b>2020</b> , 594, 3067-3075	3.8	10
203	[F]ZCDD083: A PFKFB3-Targeted PET Tracer for Atherosclerotic Plaque Imaging. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 933-939	4.3	3
202	Autophagy as an emerging therapeutic target for age-related vascular pathologies. <i>Expert Opinion on Therapeutic Targets</i> , <b>2020</b> , 24, 131-145	6.4	10
201	Skin thickness measurements for optimal intradermal injections in children. <i>Vaccine</i> , <b>2020</b> , 38, 763-768	4.1	4
200	Defective Autophagy in Vascular Smooth Muscle Cells Alters Vascular Reactivity of the Mouse Femoral Artery. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 548943	4.6	3
199	The Protective Effects of the Autophagic and Lysosomal Machinery in Vascular and Valvular Calcification: A Systematic Review. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
198	Nitric oxide donor molsidomine favors features of atherosclerotic plaque stability and reduces myocardial infarction in mice. <i>Vascular Pharmacology</i> , <b>2019</b> , 118-119, 106561	5.9	9
197	Macrophage Death as a Pharmacological Target in Atherosclerosis. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 306	5.6	69
196	Vascular smooth muscle cell contraction and relaxation in the isolated aorta: a critical regulator of large artery compliance. <i>Physiological Reports</i> , <b>2019</b> , 7, e13934	2.6	20
195	Dietary Polyphenols Targeting Arterial Stiffness: Interplay of Contributing Mechanisms and Gut Microbiome-Related Metabolism. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	25
194	Synthesis and evaluation of novel benzotropolones as Atg4B inhibiting autophagy blockers. <i>Bioorganic Chemistry</i> , <b>2019</b> , 87, 163-168	5.1	4
193	Hormonal contraception without a prescription: opinions of pharmacists, general practitioners and gynaecologists in Flanders, Belgium. <i>European Journal of Contraception and Reproductive Health Care</i> , <b>2019</b> , 24, 85-96	1.8	2

192	Pharmacological strategies to inhibit intra-plaque angiogenesis in atherosclerosis. <i>Vascular Pharmacology</i> , <b>2019</b> , 112, 72-78	5.9	18
191	Everolimus depletes plaque macrophages, abolishes intraplaque neovascularization and improves survival in mice with advanced atherosclerosis. <i>Vascular Pharmacology</i> , <b>2019</b> , 113, 70-76	5.9	10
190	Vascular smooth muscle cell death, autophagy and senescence in atherosclerosis. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 622-634	9.9	192
189	Novel drug discovery strategies for atherosclerosis that target necrosis and necroptosis. <i>Expert Opinion on Drug Discovery</i> , <b>2018</b> , 13, 477-488	6.2	12
188	Neuregulin-1 attenuates stress-induced vascular senescence. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 1041-1051	9.5	23
187	mTOR Inhibition and Cardiovascular Diseases: Dyslipidemia and Atherosclerosis. <i>Transplantation</i> , <b>2018</b> , 102, S44-S46	1.8	49
186	Cellular senescence links aging and diabetes in cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H448-H462	5.2	41
185	Impact of Dietary Polyphenols on Arterial Stiffness <b>2018</b> , 63-106		
184	Cytoprotective effects of transgenic neuroglobin overexpression in an acute and chronic mouse model of ischemic heart disease. <i>Heart and Vessels</i> , <b>2018</b> , 33, 80-88	2.1	10
183	Axitinib attenuates intraplaque angiogenesis, haemorrhages and plaque destabilization in mice. <i>Vascular Pharmacology</i> , <b>2018</b> , 100, 34-40	5.9	14
182	Defective Autophagy in Atherosclerosis: To Die or to Senesce?. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 7687083	6.7	78
181	Evaluating the implementation fidelity of New Medicines Service for asthma patients in community pharmacies in Belgium. <i>Research in Social and Administrative Pharmacy</i> , <b>2017</b> , 13, 98-108	2.9	11
180	Animal models of atherosclerosis. <i>European Journal of Pharmacology</i> , <b>2017</b> , 816, 3-13	5.3	241
179	Endothelial Senescence Contributes to Heart Failure With Preserved Ejection Fraction in an Aging Mouse Model. <i>Circulation: Heart Failure</i> , <b>2017</b> , 10,	7.6	77
178	ATG4B inhibitors with a benzotropolone core structure block autophagy and augment efficiency of chemotherapy in mice. <i>Biochemical Pharmacology</i> , <b>2017</b> , 138, 150-162	6	42
177	Inhibition of VEGF receptor signaling attenuates intraplaque angiogenesis and plaque destabilization in a mouse model of advanced atherosclerosis. <i>Atherosclerosis</i> , <b>2017</b> , 263, e33-e34	3.1	2
176	Inhibitory actions of the NRG-1/ErbB4 pathway in macrophages during tissue fibrosis in the heart, skin, and lung. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 313, H934-H945	5.2	42
175	High frequency ultrasound to assess skin thickness in healthy adults. <i>Vaccine</i> , <b>2017</b> , 35, 1810-1815	4.1	31

174	Isometric Stretch Alters Vascular Reactivity of Mouse Aortic Segments. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 157	4.6	16
173	Standard Immunohistochemical Assays to Assess Autophagy in Mammalian Tissue. <i>Cells</i> , <b>2017</b> , 6,	7.9	15
172	Long-Term Depletion of Conventional Dendritic Cells Cannot Be Maintained in an Atherosclerotic Zbtb46-DTR Mouse Model. <i>PLoS ONE</i> , <b>2017</b> , 12, e0169608	3.7	7
171	Continuous administration of the mTORC1 inhibitor everolimus induces tolerance and decreases autophagy in mice. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 3359-3371	8.6	18
170	A novel set-up for the ex vivo analysis of mechanical properties of mouse aortic segments stretched at physiological pressure and frequency. <i>Journal of Physiology</i> , <b>2016</b> , 594, 6105-6115	3.9	21
169	Angiotensin II increases coronary fibrosis, cardiac hypertrophy and the incidence of myocardial infarctions in ApoE <sup>-/-</sup> Fbn1C1039G <sup>+/-</sup> mice. <i>Acta Cardiologica</i> , <b>2016</b> , 71, 483-488	0.9	2
168	Het begeleidingsgesprek nieuwe medicatie voor astmapatiënten door apothekers. <i>Huisarts Nu</i> , <b>2016</b> , 45, 56-62		
167	Potential therapeutic effects of mTOR inhibition in atherosclerosis. <i>British Journal of Clinical Pharmacology</i> , <b>2016</b> , 82, 1267-1279	3.8	66
166	The influence of anesthesia and fluid-structure interaction on simulated shear stress patterns in the carotid bifurcation of mice. <i>Journal of Biomechanics</i> , <b>2016</b> , 49, 2741-2747	2.9	11
165	Adiponectin and ischemia-reperfusion injury in ST segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2016</b> , 5, 71-6	4.3	16
164	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
163	Cholesterol-independent effects of atorvastatin prevent cardiovascular morbidity and mortality in a mouse model of atherosclerotic plaque rupture. <i>Vascular Pharmacology</i> , <b>2016</b> , 80, 50-8	5.9	28
162	Shear Stress Metrics and Their Relation to Atherosclerosis: An In Vivo Follow-up Study in Atherosclerotic Mice. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 2327-2338	4.7	18
161	Assessment of shear stress related parameters in the carotid bifurcation using mouse-specific FSI simulations. <i>Journal of Biomechanics</i> , <b>2016</b> , 49, 2135-2142	2.9	23
160	Effect of angiotensin II-induced arterial hypertension on the voltage-dependent contractions of mouse arteries. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2016</b> , 468, 257-67	4.6	13
159	The Dipeptidyl Peptidases 4, 8, and 9 in Mouse Monocytes and Macrophages: DPP8/9 Inhibition Attenuates M1 Macrophage Activation in Mice. <i>Inflammation</i> , <b>2016</b> , 39, 413-424	5.1	23
158	Development and Validation of a Histological Method to Measure Microvessel Density in Whole-Slide Images of Cancer Tissue. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161496	3.7	26
157	Cryotherapy increases features of plaque stability in atherosclerotic rabbits. <i>EuroIntervention</i> , <b>2016</b> , 12, 748-56	3.1	1

156	Autophagy in Atherosclerosis <b>2016</b> , 249-264		1
155	Linking CD11b (+) Dendritic Cells and Natural Killer T Cells to Plaque Inflammation in Atherosclerosis. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 6467375	4.3	15
154	Caspase-3 Deletion Promotes Necrosis in Atherosclerotic Plaques of ApoE Knockout Mice. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 3087469	6.7	410
153	Intraplaque neovascularization as a novel therapeutic target in advanced atherosclerosis. <i>Expert Opinion on Therapeutic Targets</i> , <b>2016</b> , 20, 1247-57	6.4	18
152	Inhibitor screening and enzymatic activity determination for autophagy target Atg4B using a gel electrophoresis-based assay. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 123, 631-638	6.8	9
151	NecroX-7 reduces necrotic core formation in atherosclerotic plaques of Apoe knockout mice. <i>Atherosclerosis</i> , <b>2016</b> , 252, 166-174	3.1	11
150	Spermidine reduces lipid accumulation and necrotic core formation in atherosclerotic plaques via induction of autophagy. <i>Atherosclerosis</i> , <b>2016</b> , 251, 319-327	3.1	46
149	Angiotensin II increases coronary fibrosis, cardiac hypertrophy and the incidence of myocardial infarctions in ApoE-/-Fbn1C1039G+/- mice. <i>Acta Cardiologica</i> , <b>2016</b> , 71, 483-8	0.9	2
148	Predictive tissue biomarkers for bevacizumab-containing therapy in metastatic colorectal cancer: an update. <i>Expert Review of Molecular Diagnostics</i> , <b>2015</b> , 15, 399-414	3.8	7
147	Impaired gait pattern as a sensitive tool to assess hypoxic brain damage in a novel mouse model of atherosclerotic plaque rupture. <i>Physiology and Behavior</i> , <b>2015</b> , 139, 397-402	3.5	13
146	Basal activity of voltage-gated Ca(2+) channels controls the IP3-mediated contraction by $\alpha_1$ -adrenoceptor stimulation of mouse aorta segments. <i>European Journal of Pharmacology</i> , <b>2015</b> , 760, 163-71	5.3	12
145	Fibrillin-1 impairment enhances blood-brain barrier permeability and xanthoma formation in brains of apolipoprotein E-deficient mice. <i>Neuroscience</i> , <b>2015</b> , 295, 11-22	3.9	7
144	Elastin fragmentation in atherosclerotic mice leads to intraplaque neovascularization, plaque rupture, myocardial infarction, stroke, and sudden death. <i>European Heart Journal</i> , <b>2015</b> , 36, 1049-58	9.5	108
143	Defective autophagy in vascular smooth muscle cells accelerates senescence and promotes neointima formation and atherogenesis. <i>Autophagy</i> , <b>2015</b> , 11, 2014-2032	10.2	157
142	Chronic intermittent mental stress promotes atherosclerotic plaque vulnerability, myocardial infarction and sudden death in mice. <i>Atherosclerosis</i> , <b>2015</b> , 242, 288-94	3.1	33
141	AutoTag and AutoSnap: Standardized, semi-automatic capture of regions of interest from whole slide images. <i>MethodsX</i> , <b>2015</b> , 2, 272-7	1.9	3
140	Unintended consequences of co-payment regulations in Belgium: the case of atorvastatin. <i>Journal of Pharmaceutical Policy and Practice</i> , <b>2015</b> , 8,	3.2	1
139	Consumer choice between common generic and brand medicines in a country with a small generic market. <i>Journal of Managed Care &amp; Specialty Pharmacy</i> , <b>2015</b> , 21, 288-96	1.9	16

138	Vulnerable plaque detection and quantification with gold nanoparticle-enhanced computed tomography in atherosclerotic mouse models. <i>Molecular Imaging</i> , <b>2015</b> , 14,	3.7	10
137	Dissecting out the complex Ca <sup>2+</sup> -mediated phenylephrine-induced contractions of mouse aortic segments. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121634	3.7	28
136	Elastic and Muscular Arteries Differ in Structure, Basal NO Production and Voltage-Gated Ca(2+)-Channels. <i>Frontiers in Physiology</i> , <b>2015</b> , 6, 375	4.6	36
135	Medicine price awareness in chronic patients in Belgium. <i>Health Policy</i> , <b>2015</b> , 119, 217-23	3.2	1
134	Autophagy in vascular disease. <i>Circulation Research</i> , <b>2015</b> , 116, 468-79	15.7	176
133	Defective autophagy in vascular smooth muscle cells alters contractility and Ca <sup>2+</sup> homeostasis in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 308, H557-67	5.2	44
132	Methods to assess autophagy in situ--transmission electron microscopy versus immunohistochemistry. <i>Methods in Enzymology</i> , <b>2014</b> , 543, 89-114	1.7	45
131	L-type Ca <sup>2+</sup> channel blockers inhibit the window contraction of mouse aorta segments with high affinity. <i>European Journal of Pharmacology</i> , <b>2014</b> , 738, 170-8	5.3	13
130	Development of atherosclerotic plaques in a mouse model of pseudoxanthoma elasticum. <i>Acta Cardiologica</i> , <b>2014</b> , 69, 687-92	0.9	1
129	Improved animal models for testing gene therapy for atherosclerosis. <i>Human Gene Therapy Methods</i> , <b>2014</b> , 25, 106-14	4.9	6
128	mTOR inhibition: a promising strategy for stabilization of atherosclerotic plaques. <i>Atherosclerosis</i> , <b>2014</b> , 233, 601-607	3.1	132
127	Longitudinal follow-up of ascending versus abdominal aortic aneurysm formation in angiotensin II-infused ApoE <sup>-/-</sup> mice. <i>Artery Research</i> , <b>2014</b> , 8, 16	2.2	4
126	The Role of Autophagy in Atherosclerosis <b>2014</b> , 79-90		
125	Aging-Related Changes in Cell Death and Cell Survival Pathways and Implications for Heart Failure Therapy <b>2014</b> , 339-349		
124	Dipeptidyl peptidases in atherosclerosis: expression and role in macrophage differentiation, activation and apoptosis. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 350	11.8	61
123	Drug-induced macrophage autophagy in atherosclerosis: for better or worse?. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 321	11.8	36
122	Immunohistochemical analysis of macroautophagy: recommendations and limitations. <i>Autophagy</i> , <b>2013</b> , 9, 386-402	10.2	57
121	Dendritic Cells in Atherogenesis: From Immune Shapers to Therapeutic Targets <b>2013</b> ,		1

120	Contribution of $\beta$ -adrenoceptor stimulation by phenylephrine to basal nitric oxide production in the isolated mouse aorta. <i>Journal of Cardiovascular Pharmacology</i> , <b>2013</b> , 61, 318-23	3.1	6
119	Therapeutic strategies to deplete macrophages in atherosclerotic plaques. <i>British Journal of Clinical Pharmacology</i> , <b>2012</b> , 74, 246-63	3.8	20
118	Contribution of transient and sustained calcium influx, and sensitization to depolarization-induced contractions of the intact mouse aorta. <i>BMC Physiology</i> , <b>2012</b> , 12, 9	0	25
117	Molecular and cellular mechanisms of macrophage survival in atherosclerosis. <i>Basic Research in Cardiology</i> , <b>2012</b> , 107, 297	11.8	28
116	Selective loss of basal but not receptor-stimulated relaxation by endothelial nitric oxide synthase after isolation of the mouse aorta. <i>European Journal of Pharmacology</i> , <b>2012</b> , 696, 111-9	5.3	17
115	Pharmaceutical countermeasures have opposite effects on the utricles and semicircular canals in man. <i>Audiology and Neuro-Otology</i> , <b>2012</b> , 17, 235-42	2.2	7
114	Evaluation of the Anti-angiogenic Activity of Saponins from <i>Maesa lanceolata</i> by Different Assays. <i>Natural Product Communications</i> , <b>2012</b> , 7, 1934578X1200700	0.9	1
113	Toll-like receptor 7 stimulation by imiquimod induces macrophage autophagy and inflammation in atherosclerotic plaques. <i>Basic Research in Cardiology</i> , <b>2012</b> , 107, 269	11.8	50
112	Everolimus triggers cytokine release by macrophages: rationale for stents eluting everolimus and a glucocorticoid. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 1228-35	9.4	23
111	Potential impact of policy regulation and generic competition on sales of cholesterol lowering medication, antidepressants and acid blocking agents in Belgium. <i>Acta Clinica Belgica</i> , <b>2012</b> , 67, 160-71	1.8	10
110	Expression and spatial heterogeneity of dipeptidyl peptidases in endothelial cells of conduct vessels and capillaries. <i>Biological Chemistry</i> , <b>2011</b> , 392, 189-98	4.5	59
109	Attenuated atherogenesis in apolipoprotein E-deficient mice lacking amyloid precursor protein. <i>Atherosclerosis</i> , <b>2011</b> , 216, 54-8	3.1	18
108	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. <i>Clinical Science</i> , <b>2011</b> , 120, 415-26	6.5	28
107	Immunohistochemical characterisation of dendritic cells in human atherosclerotic lesions: possible pitfalls. <i>Pathology</i> , <b>2011</b> , 43, 239-47	1.6	28
106	Inhibition of inositol monophosphatase by lithium chloride induces selective macrophage apoptosis in atherosclerotic plaques. <i>British Journal of Pharmacology</i> , <b>2011</b> , 162, 1410-23	8.6	30
105	Pharmacological modulation of cell death in atherosclerosis: a promising approach towards plaque stabilization?. <i>British Journal of Pharmacology</i> , <b>2011</b> , 164, 1-13	8.6	17
104	Autophagy in atherosclerosis: a potential drug target for plaque stabilization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 2787-91	9.4	142
103	Necrotic cell death in atherosclerosis. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 749-60	11.8	76



102	Transglutaminase 2 deficiency decreases plaque fibrosis and increases plaque inflammation in apolipoprotein-E-deficient mice. <i>Journal of Vascular Research</i> , <b>2010</b> , 47, 231-40	1.9	21
101	Cell death-mediated cleavage of the attraction signal p43 in human atherosclerosis: implications for plaque destabilization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 1415-22	9.4	7
100	In vivo antioxidative activity of a quantified Pueraria lobata root extract. <i>Journal of Ethnopharmacology</i> , <b>2010</b> , 127, 112-7	5	72
99	Effect of statins on the viability of macrophages and smooth muscle cells. <i>Journal of Cardiovascular Pharmacology</i> , <b>2010</b> , 55, 269-75	3.1	13
98	Multi-slice computed tomography with N1177 identifies ruptured atherosclerotic plaques in rabbits. <i>Basic Research in Cardiology</i> , <b>2010</b> , 105, 51-9	11.8	25
97	Proteasome inhibitor bortezomib promotes a rupture-prone plaque phenotype in ApoE-deficient mice. <i>Basic Research in Cardiology</i> , <b>2010</b> , 105, 39-50	11.8	26
96	Role of autophagy in heart failure associated with aging. <i>Heart Failure Reviews</i> , <b>2010</b> , 15, 423-30	5	85
95	Expression of dendritic cell markers CD11c/BDCA-1 and CD123/BDCA-2 in coronary artery disease upon activation in whole blood. <i>Journal of Immunological Methods</i> , <b>2010</b> , 362, 168-75	2.5	17
94	Selective removal of macrophages in atherosclerotic plaques as a pharmacological approach for plaque stabilization: benefits versus potential complications. <i>Current Vascular Pharmacology</i> , <b>2010</b> , 8, 495-508	3.3	11
93	Autophagy in atherosclerosis: a cell survival and death phenomenon with therapeutic potential. <i>Circulation Research</i> , <b>2009</b> , 104, 304-17	15.7	291
92	Impaired fibrillin-1 function promotes features of plaque instability in apolipoprotein E-deficient mice. <i>Circulation</i> , <b>2009</b> , 120, 2478-87	16.7	68
91	The protein synthesis inhibitor anisomycin induces macrophage apoptosis in rabbit atherosclerotic plaques through p38 mitogen-activated protein kinase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2009</b> , 329, 856-64	4.7	47
90	Autophagy in the cardiovascular system. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2009</b> , 1793, 1485-95	4.9	129
89	Phagocytosis of bacteria is enhanced in macrophages undergoing nutrient deprivation. <i>FEBS Journal</i> , <b>2009</b> , 276, 2227-40	5.7	24
88	Apoptosis does not mediate macrophage depletion in rabbit atherosclerotic plaques after dietary lipid lowering. <i>Annals of the New York Academy of Sciences</i> , <b>2009</b> , 1171, 365-71	6.5	1
87	Autophagy in disease: a double-edged sword with therapeutic potential. <i>Clinical Science</i> , <b>2009</b> , 116, 697-712	6.5	138
86	Validation of in vivo plaque characterisation by virtual histology in a rabbit model of atherosclerosis. <i>EuroIntervention</i> , <b>2009</b> , 5, 149-56	3.1	39
85	Phagocytosis of Dying Cells in the Pathogenesis of Atherosclerosis <b>2009</b> , 371-392		

84	Cyanide and uncoupling protein function: reply. <i>Cardiovascular Research</i> , <b>2008</b> , 78, 198-198	9.9	
83	Differential effect of the protein synthesis inhibitors puromycin and cycloheximide on vascular smooth muscle cell viability. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2008</b> , 325, 824-32	4.7	28
82	Autophagy in atherosclerosis. <i>Current Atherosclerosis Reports</i> , <b>2008</b> , 10, 216-23	6	80
81	Mitochondrial uncoupling protein 2 mediates temperature heterogeneity in atherosclerotic plaques. <i>Cardiovascular Research</i> , <b>2008</b> , 77, 425-31	9.9	14
80	Study of potential systemic oxidative stress animal models for the evaluation of antioxidant activity: status of lipid peroxidation and fat-soluble antioxidants. <i>Journal of Pharmacy and Pharmacology</i> , <b>2007</b> , 59, 131-6	4.8	15
79	Selective clearance of macrophages in atherosclerotic plaques by autophagy. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 706-15	15.1	167
78	Nitric oxide selectively depletes macrophages in atherosclerotic plaques via induction of endoplasmic reticulum stress. <i>British Journal of Pharmacology</i> , <b>2007</b> , 152, 493-500	8.6	18
77	Selective depletion of macrophages in atherosclerotic plaques via macrophage-specific initiation of cell death. <i>Trends in Cardiovascular Medicine</i> , <b>2007</b> , 17, 69-75	6.9	50
76	Everolimus-induced mTOR inhibition selectively depletes macrophages in atherosclerotic plaques by autophagy. <i>Autophagy</i> , <b>2007</b> , 3, 241-4	10.2	77
75	Selective clearance of macrophages in atherosclerotic plaques by the protein synthesis inhibitor cycloheximide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 320, 986-93	4.7	36
74	Phagocytosis in atherosclerosis: Molecular mechanisms and implications for plaque progression and stability. <i>Cardiovascular Research</i> , <b>2007</b> , 73, 470-80	9.9	187
73	Autophagy in cardiovascular disease. <i>Trends in Molecular Medicine</i> , <b>2007</b> , 13, 482-91	11.5	127
72	Comparison of apoptosis detection markers combined with macrophage immunostaining to study phagocytosis of apoptotic cells in situ. <i>Biomarker Insights</i> , <b>2007</b> , 1, 193-200	3.5	4
71	Uncoupling protein 2-mediated thermogenesis in vulnerable atherosclerotic plaques. <i>EuroIntervention</i> , <b>2007</b> , 3, 275-9	3.1	2
70	Dipeptidyl peptidase II and leukocyte cell death. <i>Biochemical Pharmacology</i> , <b>2006</b> , 72, 70-9	6	19
69	z-VAD-fmk-induced non-apoptotic cell death of macrophages: possibilities and limitations for atherosclerotic plaque stabilization. <i>Autophagy</i> , <b>2006</b> , 2, 312-4	10.2	26
68	Detection of autophagy in tissue by standard immunohistochemistry: possibilities and limitations. <i>Autophagy</i> , <b>2006</b> , 2, 55-7	10.2	57
67	In situ detection of starvation-induced autophagy. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2006</b> , 54, 85-96	3.4	116

66	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 1, 117727190600100	4.7	23
65	Comparison of Apoptosis Detection Markers Combined with Macrophage Immunostaining to Study Phagocytosis of Apoptotic Cells in Situ. <i>Biomarker Insights</i> , <b>2006</b> , 1, 117727190600100	3.5	1
64	Processing of amyloid precursor protein as a biochemical link between atherosclerosis and Alzheimer's disease. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , <b>2006</b> , 6, 21-34	1.1	20
63	Abstract no.: 10DNA fragmentation, but not caspase-3 activation or PARP-1 cleavage, combined with macrophage immunostaining as a tool to study phagocytosis of apoptotic cells in situ. <i>Fundamental and Clinical Pharmacology</i> , <b>2006</b> , 20, 333-333	3.1	
62	RNA damage in human atherosclerosis: pathophysiological significance and implications for gene expression studies. <i>RNA Biology</i> , <b>2005</b> , 2, 4-7	4.8	22
61	mRNA but not plasmid DNA is efficiently transfected in murine J774A.1 macrophages. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 327, 356-60	3.4	29
60	Abstract no.: 3 Impaired clearance of apoptotic cells in atherosclerosis. <i>Fundamental and Clinical Pharmacology</i> , <b>2005</b> , 19, 401-401	3.1	
59	Amino acid deprivation induces both apoptosis and autophagy in murine C2C12 muscle cells. <i>Biotechnology Letters</i> , <b>2005</b> , 27, 1157-63	3	45
58	Phagocytosis of apoptotic cells by macrophages is impaired in atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 1256-61	9.4	328
57	Smooth muscle cell hypertrophy in varicose veins is associated with expression of estrogen receptor-beta. <i>Journal of Vascular Research</i> , <b>2005</b> , 42, 8-12	1.9	23
56	Nitric oxide-related interventions and restenosis <b>2005</b> , 181-196		
55	Cytosolic prostaglandin E2 synthase/p23 but not apoptosis-linked gene 2 is downregulated in human atherosclerotic plaques. <i>Cardiovascular Research</i> , <b>2004</b> , 61, 360-1	9.9	
54	7-ketocholesterol induces protein ubiquitination, myelin figure formation, and light chain 3 processing in vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 2296-301	9.4	111
53	Effect of non-steroidal anti-inflammatory drugs on amyloid-beta formation and macrophage activation after platelet phagocytosis. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 43, 462-70	3.1	20
52	Histopathologic evaluation of a novel-design nitinol stent: the Biflex stent. <i>International Journal of Cardiovascular Interventions</i> , <b>2004</b> , 6, 13-9		8
51	Reactive oxygen species induce RNA damage in human atherosclerosis. <i>European Journal of Clinical Investigation</i> , <b>2004</b> , 34, 323-7	4.6	98
50	Flow cytometric evaluation of a model for phagocytosis of cells undergoing apoptosis. <i>Journal of Immunological Methods</i> , <b>2004</b> , 287, 101-8	2.5	33
49	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. <i>Journal of Pathology</i> , <b>2004</b> , 202, 382-8	9.4	32

48	Intravascular thermography: Immediate functional and morphological vascular findings. <i>European Heart Journal</i> , <b>2004</b> , 25, 158-65	9.5	32
47	Western array analysis of human atherosclerotic plaques: downregulation of apoptosis-linked gene 2. <i>Cardiovascular Research</i> , <b>2003</b> , 60, 259-67	9.9	28
46	Nitric oxide donor molsidomine favors features of atherosclerotic plaque stability during cholesterol lowering in rabbits. <i>Journal of Cardiovascular Pharmacology</i> , <b>2003</b> , 41, 970-8	3.1	25
45	Upregulation and formation of SDS-resistant oligomers of the proapoptotic factor Bax in experimental atherosclerosis. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 1010, 738-41	6.5	4
44	Overexpression of the anti-apoptotic caspase-2 short isoform in macrophage-derived foam cells of human atherosclerotic plaques. <i>American Journal of Pathology</i> , <b>2003</b> , 162, 731-6	5.8	31
43	Phagocytosis and macrophage activation associated with hemorrhagic microvessels in human atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 440-6	9.4	176
42	In vivo temperature heterogeneity of atherosclerotic plaques is determined by plaque composition. <i>Circulation</i> , <b>2002</b> , 105, 1596-601	16.7	115
41	Elevated levels of oxidative DNA damage and DNA repair enzymes in human atherosclerotic plaques. <i>Circulation</i> , <b>2002</b> , 106, 927-32	16.7	345
40	Gene expression profiling of apoptosis-related genes in human atherosclerosis: upregulation of death-associated protein kinase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 2023-9	9.4	61
39	Platelet phagocytosis and processing of beta-amyloid precursor protein as a mechanism of macrophage activation in atherosclerosis. <i>Circulation Research</i> , <b>2002</b> , 90, 1197-204	15.7	115
38	Oxidative DNA damage and repair in experimental atherosclerosis are reversed by dietary lipid lowering. <i>Circulation Research</i> , <b>2001</b> , 88, 733-9	15.7	138
37	Collar-induced elevation of mRNA and functional activity of 5-HT(1B) receptor in the rabbit carotid artery. <i>British Journal of Pharmacology</i> , <b>2000</b> , 131, 1723-31	8.6	8
36	Periadventitial inducible nitric oxide synthase expression and intimal thickening. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 1896-902	9.4	27
35	Decreased apoptosis and tissue factor expression after lipid lowering. <i>Circulation</i> , <b>2000</b> , 102, E99	16.7	8
34	Nitric Oxide and Vascular Endothelial Dysfunction <b>2000</b> , 547-567		7
33	Inducible nitric oxide synthase colocalizes with signs of lipid oxidation/peroxidation in human atherosclerotic plaques. <i>Cardiovascular Research</i> , <b>1999</b> , 43, 744-54	9.9	92
32	Intimal deposition of functional von Willebrand factor in atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1999</b> , 19, 2524-34	9.4	52
31	Role of polymorphonuclear leukocytes in collar-induced intimal thickening in the rabbit carotid artery. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1998</b> , 18, 915-21	9.4	14

30	Apoptosis and related proteins in different stages of human atherosclerotic plaques. <i>Circulation</i> , <b>1998</b> , 97, 2307-15	16.7	353
29	Cell composition, replication, and apoptosis in atherosclerotic plaques after 6 months of cholesterol withdrawal. <i>Circulation Research</i> , <b>1998</b> , 83, 378-87	15.7	147
28	Mechanisms of neointima formation--lessons from experimental models. <i>Vascular Medicine</i> , <b>1997</b> , 2, 179-89	3.3	45
27	In vivo inhibition of dipeptidyl peptidase IV activity by pro-pro-diphenyl-phosphonate (Prodiptine). <i>Biochemical Pharmacology</i> , <b>1997</b> , 54, 173-9	6	21
26	Vascular endothelial dysfunction. <i>Progress in Cardiovascular Diseases</i> , <b>1997</b> , 39, 325-42	8.5	109
25	Possible mechanisms of collar-induced intimal thickening. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1997</b> , 17, 1924-30	9.4	63
24	The effect of chronic treatment with NO donors during intimal thickening and fatty streak formation. <i>BioFactors</i> , <b>1997</b> , 6, 209-15	6.1	6
23	Fibrin(ogen) and von Willebrand factor deposition are associated with intimal thickening after balloon angioplasty of the rabbit carotid artery. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1997</b> , 17, 634-45	9.4	32
22	Distribution of cell replication and apoptosis in atherosclerotic plaques of cholesterol-fed rabbits. <i>Atherosclerosis</i> , <b>1996</b> , 120, 115-24	3.1	96
21	The influence of collapse of the lung parenchyma on the morphology of pulmonary blood vessels in the rat. <i>Cells Tissues Organs</i> , <b>1996</b> , 155, 22-8	2.1	
20	Luminal foam cell accumulation is associated with smooth muscle cell death in the intimal thickening of human saphenous vein grafts. <i>Circulation</i> , <b>1996</b> , 94, 1255-62	16.7	47
19	Effect of nitric oxide donors on neointima formation and vascular reactivity in the collared carotid artery of rabbits. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 26, 272-9	3.1	40
18	Effect of angiotensin-converting enzyme inhibition on intimal thickening in rabbit collared carotid artery. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 26, 614-20	3.1	10
17	Dexamethasone influences intimal thickening and vascular reactivity in the rabbit collared carotid artery. <i>European Journal of Pharmacology</i> , <b>1995</b> , 294, 753-61	5.3	40
16	Influence of chronic treatment with a nitric oxide donor on fatty streak development and reactivity of the rabbit aorta. <i>British Journal of Pharmacology</i> , <b>1995</b> , 114, 1371-82	8.6	33
15	Apoptosis in human atherosclerosis and restenosis. <i>Circulation</i> , <b>1995</b> , 91, 2703-11	16.7	425
14	The relationship between pre-existing subendothelial smooth muscle cell accumulations and foam cell lesions in cholesterol-fed rabbits. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , <b>1994</b> , 425, 41-7	5.1	5
13	Foam cell replication and smooth muscle cell apoptosis in human saphenous vein grafts. <i>Histopathology</i> , <b>1994</b> , 25, 365-71	7.3	63

12	Vasoconstrictor responses after neo-intima formation and endothelial removal in the rabbit carotid artery. <i>British Journal of Pharmacology</i> , <b>1994</b> , 112, 471-6	8.6	25
11	The endothelium during cuff-induced neointima formation in the rabbit carotid artery. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , <b>1993</b> , 13, 1874-84		64
10	Longitudinally oriented smooth muscle cells in rabbit arteries. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , <b>1993</b> , 422, 293-9		15
9	Selective muscarinic alterations of nitric oxide-mediated relaxations by neointima. <i>Journal of Cardiovascular Pharmacology</i> , <b>1992</b> , 20 Suppl 12, S205-7	3.1	9
8	Triphasic sequence of neointimal formation in the cuffed carotid artery of the rabbit. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , <b>1992</b> , 12, 1447-57		99
7	The role of endothelial cells in the relaxations induced by 13-hydroxy- and 13-hydroperoxylinoleic acid in canine arteries. <i>British Journal of Pharmacology</i> , <b>1992</b> , 107, 597-603	8.6	21
6	The modulation of smooth muscle cell phenotype is an early event in human aorto-coronary saphenous vein grafts. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , <b>1992</b> , 420, 155-62		34
5	Chronic Exposure to Exogenous Nitric Oxide May Suppress Its Endogenous Release and Efficacy. <i>Journal of Cardiovascular Pharmacology</i> , <b>1991</b> , 17, S79-S82	3.1	21
4	Neointima formation impairs endothelial muscarinic receptors while enhancing prostacyclin-mediated responses in the rabbit carotid artery. <i>Circulation Research</i> , <b>1991</b> , 68, 1669-80	15.7	43
3	Early atherosclerosis is accompanied by a decreased rather than an increased accumulation of fatty acid hydroxyderivatives. <i>Biochemical Pharmacology</i> , <b>1991</b> , 42, 279-83	6	18
2	The effect of a developing neo-intima on serotonergic and adrenergic contractions. <i>European Journal of Pharmacology</i> , <b>1990</b> , 187, 519-24	5.3	28
1	Platelet Adhesion to Subendothelial Structures under Flow Conditions: No Effect of the Lipoxygenase Product 13-HODE. <i>Thrombosis and Haemostasis</i> , <b>1989</b> , 62, 802-806	7	10