

Wim Martinet

List of Publications by Year in descending order

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195
papers

21,067
citations

30551

56
h-index

10955

142
g-index

196
all docs

196
docs citations

196
times ranked

36696
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008, 4, 151-175.	4.3	2,064
4	Early Parenteral Nutrition Evokes a Phenotype of Autophagy Deficiency in Liver and Skeletal Muscle of Critically Ill Rabbits. <i>Endocrinology</i> , 2012, 153, 2267-2276.	1.4	672
5	Caspase-3 Deletion Promotes Necrosis in Atherosclerotic Plaques of ApoE Knockout Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	428
6	Phagocytosis of Apoptotic Cells by Macrophages Is Impaired in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1256-1261.	1.1	407
7	Elevated Levels of Oxidative DNA Damage and DNA Repair Enzymes in Human Atherosclerotic Plaques. <i>Circulation</i> , 2002, 106, 927-932.	1.6	397
8	Animal models of atherosclerosis. <i>European Journal of Pharmacology</i> , 2017, 816, 3-13.	1.7	385
9	Vascular smooth muscle cell death, autophagy and senescence in atherosclerosis. <i>Cardiovascular Research</i> , 2018, 114, 622-634.	1.8	356
10	Autophagy in Atherosclerosis. <i>Circulation Research</i> , 2009, 104, 304-317.	2.0	333
11	Molecular and cellular mechanisms of skeletal muscle atrophy: an update. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2012, 3, 163-179.	2.9	264
12	Autophagy in Vascular Disease. <i>Circulation Research</i> , 2015, 116, 468-479.	2.0	236
13	Apoptotic versus autophagic cell death in heart failure. <i>Cardiovascular Research</i> , 2001, 51, 304-312.	1.8	233
14	Defective autophagy in vascular smooth muscle cells accelerates senescence and promotes neointima formation and atherogenesis. <i>Autophagy</i> , 2015, 11, 2014-2032.	4.3	229
15	Phagocytosis in atherosclerosis: Molecular mechanisms and implications for plaque progression and stability. <i>Cardiovascular Research</i> , 2007, 73, 470-480.	1.8	228
16	Insufficient Activation of Autophagy Allows Cellular Damage to Accumulate in Critically Ill Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E633-E645.	1.8	185
17	Selective Clearance of Macrophages in Atherosclerotic Plaques by Autophagy. <i>Journal of the American College of Cardiology</i> , 2007, 49, 706-715.	1.2	181
18	Oxidative DNA Damage and Repair in Experimental Atherosclerosis Are Reversed by Dietary Lipid Lowering. <i>Circulation Research</i> , 2001, 88, 733-739.	2.0	163

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19	Cardiovascular autophagy. <i>Autophagy</i> , 2013, 9, 1455-1466.	4.3	162
20	mTOR inhibition: A promising strategy for stabilization of atherosclerotic plaques. <i>Atherosclerosis</i> , 2014, 233, 601-607.	0.4	162
21	Autophagy in disease: a double-edged sword with therapeutic potential. <i>Clinical Science</i> , 2009, 116, 697-712.	1.8	161
22	Autophagy in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2787-2791.	1.1	160
23	Therapeutic potential of helminth soluble proteins in TNBS-induced colitis in mice. <i>Inflammatory Bowel Diseases</i> , 2009, 15, 491-500.	0.9	152
24	Macrophage Death as a Pharmacological Target in Atherosclerosis. <i>Frontiers in Pharmacology</i> , 2019, 10, 306.	1.6	152
25	Autophagy in the cardiovascular system. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1485-1495.	1.9	148
26	Neuroglobin and cytoglobin overexpression protects human SH-SY5Y neuroblastoma cells against oxidative stress-induced cell death. <i>Neuroscience Letters</i> , 2006, 410, 146-151.	1.0	145
27	Autophagy in cardiovascular disease. <i>Trends in Molecular Medicine</i> , 2007, 13, 482-491.	3.5	144
28	Elastin fragmentation in atherosclerotic mice leads to intraplaque neovascularization, plaque rupture, myocardial infarction, stroke, and sudden death. <i>European Heart Journal</i> , 2015, 36, 1049-1058.	1.0	139
29	Functional Adiponectin Resistance at the Level of the Skeletal Muscle in Mild to Moderate Chronic Heart Failure. <i>Circulation: Heart Failure</i> , 2010, 3, 185-194.	1.6	134
30	Platelet Phagocytosis and Processing of β -Amyloid Precursor Protein as a Mechanism of Macrophage Activation in Atherosclerosis. <i>Circulation Research</i> , 2002, 90, 1197-1204.	2.0	131
31	In Situ Detection of Starvation-induced Autophagy. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 85-96.	1.3	125
32	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> , 2004, 24, 2296-2301.	1.1	120
33	Defective Autophagy in Atherosclerosis: To Die or to Senesce?. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	1.9	113
34	Reactive oxygen species induce RNA damage in human atherosclerosis. <i>European Journal of Clinical Investigation</i> , 2004, 34, 323-327.	1.7	112
35	Apoptosis in atherosclerosis: focus on oxidized lipids and inflammation. <i>Current Opinion in Lipidology</i> , 2001, 12, 535-541.	1.2	111
36	Anoxia or oxygen and glucose deprivation in SH-SY5Y cells: A step closer to the unraveling of neuroglobin and cytoglobin functions. <i>Gene</i> , 2007, 398, 114-122.	1.0	108

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37	Autophagy pathways activated in response to PDT contribute to cell resistance against ROS damage. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1402-1414.	1.6	106
38	Role of autophagy in heart failure associated with aging. <i>Heart Failure Reviews</i> , 2010, 15, 423-430.	1.7	103
39	Necrotic cell death in atherosclerosis. <i>Basic Research in Cardiology</i> , 2011, 106, 749-760.	2.5	101
40	Potential therapeutic effects of mTOR inhibition in atherosclerosis. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 1267-1279.	1.1	94
41	Autophagy in atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2008, 10, 216-223.	2.0	89
42	Role of autophagy in the pathophysiology of nonalcoholic fatty liver disease: A controversial issue. <i>World Journal of Gastroenterology</i> , 2014, 20, 7325.	1.4	88
43	Everolimus-Induced mTOR Inhibition Selectively Depletes Macrophages in Atherosclerotic Plaques by Autophagy. <i>Autophagy</i> , 2007, 3, 241-244.	4.3	85
44	Impaired Fibrillin-1 Function Promotes Features of Plaque Instability in Apolipoprotein Eâ€“Deficient Mice. <i>Circulation</i> , 2009, 120, 2478-2487.	1.6	81
45	mTOR Inhibition and Cardiovascular Diseases. <i>Transplantation</i> , 2018, 102, S44-S46.	0.5	80
46	Interactions between cell death induced by statins and 7â€“ketocholesterol in rabbit aorta smooth muscle cells. <i>British Journal of Pharmacology</i> , 2008, 154, 1236-1246.	2.7	77
47	Dipeptidyl peptidases in atherosclerosis: expression and role in macrophage differentiation, activation and apoptosis. <i>Basic Research in Cardiology</i> , 2013, 108, 350.	2.5	71
48	Protection of Mice Against a Lethal Influenza Challenge by Immunization with Yeast-Derived Recombinant Influenza Neuraminidase. <i>FEBS Journal</i> , 1997, 247, 332-338.	0.2	70
49	Gene Expression Profiling of Apoptosis-Related Genes in Human Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 2023-2029.	1.1	69
50	Immunohistochemical analysis of macroautophagy. <i>Autophagy</i> , 2013, 9, 386-402.	4.3	67
51	Clearance of dying autophagic cells of different origin by professional and non-professional phagocytes. <i>Cell Death and Differentiation</i> , 2007, 14, 1117-1128.	5.0	66
52	Pharmacological modulation of cell death in atherosclerosis: a promising approach towards plaque stabilization?. <i>British Journal of Pharmacology</i> , 2011, 164, 1-13.	2.7	64
53	Spermidine reduces lipid accumulation and necrotic core formation inâ€“atherosclerotic plaques via induction of autophagy. <i>Atherosclerosis</i> , 2016, 251, 319-327.	0.4	62
54	Detection of Autophagy in Tissue by Standard Immunohistochemistry: Possibilities and Limitations. <i>Autophagy</i> , 2006, 2, 55-57.	4.3	61

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55	ATG4B inhibitors with a benzotropolone core structure block autophagy and augment efficiency of chemotherapy in mice. <i>Biochemical Pharmacology</i> , 2017, 138, 150-162.	2.0	61
56	Selective Depletion of Macrophages in Atherosclerotic Plaques via Macrophage-Specific Initiation of Cell Death. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 69-75.	2.3	59
57	Molecular cloning and enzymatic characterization of a <i>Trichoderma reesei</i> 1,2- α -D-mannosidase. <i>Journal of Biotechnology</i> , 2000, 77, 255-263.	1.9	54
58	Toll-like receptor 7 stimulation by imiquimod induces macrophage autophagy and inflammation in atherosclerotic plaques. <i>Basic Research in Cardiology</i> , 2012, 107, 269.	2.5	54
59	Amino Acid Deprivation Induces Both Apoptosis and Autophagy in Murine C2C12 Muscle Cells. <i>Biotechnology Letters</i> , 2005, 27, 1157-1163.	1.1	53
60	Methods to Assess Autophagy In Situ—Transmission Electron Microscopy Versus Immunohistochemistry. <i>Methods in Enzymology</i> , 2014, 543, 89-114.	0.4	53
61	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> , 2009, 329, 856-864.	1.3	52
62	Protection of mice against a lethal influenza virus challenge after immunization with yeast-derived secreted influenza virus hemagglutinin. <i>FEBS Journal</i> , 1999, 260, 166-175.	0.2	50
63	Defective autophagy in vascular smooth muscle cells alters contractility and Ca^{2+} homeostasis in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H557-H567.	1.5	50
64	Nucleofection as an efficient nonviral transfection method for human monocytic cells. <i>Biotechnology Letters</i> , 2003, 25, 1025-1029.	1.1	49
65	Drug-induced macrophage autophagy in atherosclerosis: for better or worse?. <i>Basic Research in Cardiology</i> , 2013, 108, 321.	2.5	46
66	Altered mitochondrial quality control in Atg7-deficient VSMCs promotes enhanced apoptosis and is linked to unstable atherosclerotic plaque phenotype. <i>Cell Death and Disease</i> , 2019, 10, 119.	2.7	46
67	Dissecting out the Complex Ca^{2+} -Mediated Phenylephrine-Induced Contractions of Mouse Aortic Segments. <i>PLoS ONE</i> , 2015, 10, e0121634.	1.1	43
68	Selective Clearance of Macrophages in Atherosclerotic Plaques by the Protein Synthesis Inhibitor Cycloheximide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 986-993.	1.3	42
69	TRPV1 receptor signaling mediates afferent nerve sensitization during colitis-induced motility disorders in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, G245-G253.	1.6	42
70	Chronic intermittent mental stress promotes atherosclerotic plaque vulnerability, myocardial infarction and sudden death in mice. <i>Atherosclerosis</i> , 2015, 242, 288-294.	0.4	42
71	Pharmacological strategies to inhibit intra-plaque angiogenesis in atherosclerosis. <i>Vascular Pharmacology</i> , 2019, 112, 72-78.	1.0	39
72	Flow cytometric evaluation of a model for phagocytosis of cells undergoing apoptosis. <i>Journal of Immunological Methods</i> , 2004, 287, 101-108.	0.6	37

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73	Hepatocellular autophagy modulates the unfolded protein response and fasting-induced steatosis in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G599-G609.	1.6	37
74	A novel setâ€p for the <i>ex vivo</i> analysis of mechanical properties of mouse aortic segments stretched at physiological pressure and frequency. <i>Journal of Physiology</i> , 2016, 594, 6105-6115.	1.3	36
75	Western array analysis of human atherosclerotic plaques: downregulation of apoptosis-linked gene 2. <i>Cardiovascular Research</i> , 2003, 60, 259-267.	1.8	35
76	mRNA but not plasmid DNA is efficiently transfected in murine J774A.1 macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 356-360.	1.0	34
77	Overexpression of the Anti-Apoptotic Caspase-2 Short Isoform in Macrophage-Derived Foam Cells of Human Atherosclerotic Plaques. <i>American Journal of Pathology</i> , 2003, 162, 731-736.	1.9	33
78	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> , 2004, 202, 382-388.	2.1	33
79	Immunohistostaining Assays for Detection of Chlamydia pneumoniae in Atherosclerotic Arteries Indicate Cross-Reactions with Nonchlamydial Plaque Constituents. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3219-3224.	1.8	32
80	Inhibition of inositol monophosphatase by lithium chloride induces selective macrophage apoptosis in atherosclerotic plaques. <i>British Journal of Pharmacology</i> , 2011, 162, 1410-1423.	2.7	32
81	Differential Effect of the Protein Synthesis Inhibitors Puromycin and Cycloheximide on Vascular Smooth Muscle Cell Viability. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 824-832.	1.3	31
82	Contribution of transient and sustained calcium influx, and sensitization to depolarization-induced contractions of the intact mouse aorta. <i>BMC Physiology</i> , 2012, 12, 9.	3.6	31
83	Molecular and cellular mechanisms of macrophage survival in atherosclerosis. <i>Basic Research in Cardiology</i> , 2012, 107, 297.	2.5	31
84	Cholesterol-independent effects of atorvastatin prevent cardiovascular morbidity and mortality in a mouse model of atherosclerotic plaque rupture. <i>Vascular Pharmacology</i> , 2016, 80, 50-58.	1.0	31
85	Basal ryanodine receptor activity suppresses autophagic flux. <i>Biochemical Pharmacology</i> , 2017, 132, 133-142.	2.0	31
86	z-VAD-fmk-Induced Non-Apoptotic Cell Death of Macrophages: Possibilities and Limitations for Atherosclerotic Plaque Stabilization. <i>Autophagy</i> , 2006, 2, 312-314.	4.3	30
87	Partial Inhibition of Glycolysis Reduces Atherogenesis Independent of Intraplaque Neovascularization in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1168-1181.	1.1	30
88	MET15 as a visual selection marker for <i>Candida albicans</i> . <i>Yeast</i> , 2000, 16, 1205-1215.	0.8	29
89	Intraplaque neovascularization as a novel therapeutic target in advanced atherosclerosis. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 1247-1257.	1.5	29
90	Multi-slice computed tomography with N1177 identifies ruptured atherosclerotic plaques in rabbits. <i>Basic Research in Cardiology</i> , 2010, 105, 51-59.	2.5	28

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91	Proteasome inhibitor bortezomib promotes a rupture-prone plaque phenotype in ApoE-deficient mice. <i>Basic Research in Cardiology</i> , 2010, 105, 39-50.	2.5	28
92	The Role of Autophagy in Critical Illness-induced Liver Damage. <i>Scientific Reports</i> , 2017, 7, 14150.	1.6	28
93	RNA Damage in Human Atherosclerosis: Pathophysiological Significance and Implications for Gene Expression Studies. <i>RNA Biology</i> , 2005, 2, 4-7.	1.5	27
94	Phagocytosis of bacteria is enhanced in macrophages undergoing nutrient deprivation. <i>FEBS Journal</i> , 2009, 276, 2227-2240.	2.2	27
95	Nitric Oxide Donor Molsidomine Favors Features of Atherosclerotic Plaque Stability During Cholesterol Lowering in Rabbits. <i>Journal of Cardiovascular Pharmacology</i> , 2003, 41, 970-978.	0.8	26
96	Everolimus Triggers Cytokine Release by Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1228-1235.	1.1	26
97	Effect of Non-Steroidal Anti-Inflammatory Drugs on Amyloid- β^2 Formation and Macrophage Activation after Platelet Phagocytosis. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 43, 462-470.	0.8	24
98	Transcription Profiles of Aortic Smooth Muscle Cells from Atherosclerosis-Prone and -Resistant Regions in Young Apolipoprotein E-Deficient Mice before Plaque Development. <i>Journal of Vascular Research</i> , 2011, 48, 31-42.	0.6	24
99	Everolimus depletes plaque macrophages, abolishes intraplaque neovascularization and improves survival in mice with advanced atherosclerosis. <i>Vascular Pharmacology</i> , 2019, 113, 70-76.	1.0	24
100	Macrophages but Not Smooth Muscle Cells Undergo Benzoyloxycarbonyl-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> , 2006, 317, 1356-1364.	1.3	23
101	Transglutaminase 2 Deficiency Decreases Plaque Fibrosis and Increases Plaque Inflammation in Apolipoprotein-E-Deficient Mice. <i>Journal of Vascular Research</i> , 2010, 47, 231-240.	0.6	23
102	Attenuated atherogenesis in apolipoprotein E-deficient mice lacking amyloid precursor protein. <i>Atherosclerosis</i> , 2011, 216, 54-58.	0.4	23
103	Therapeutic strategies to deplete macrophages in atherosclerotic plaques. <i>British Journal of Clinical Pharmacology</i> , 2012, 74, 246-263.	1.1	23
104	Continuous administration of the mTORC1 inhibitor everolimus induces tolerance and decreases autophagy in mice. <i>British Journal of Pharmacology</i> , 2016, 173, 3359-3371.	2.7	23
105	Novel drug discovery strategies for atherosclerosis that target necrosis and necroptosis. <i>Expert Opinion on Drug Discovery</i> , 2018, 13, 477-488.	2.5	23
106	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> , 2012, 696, 111-119.	1.7	22
107	Standard Immunohistochemical Assays to Assess Autophagy in Mammalian Tissue. <i>Cells</i> , 2017, 6, 17.	1.8	22
108	Dipeptidyl peptidase II and leukocyte cell death. <i>Biochemical Pharmacology</i> , 2006, 72, 70-79.	2.0	21

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109	Axitinib attenuates intraplaque angiogenesis, haemorrhages and plaque destabilization in mice. <i>Vascular Pharmacology</i> , 2018, 100, 34-40.	1.0	21
110	Small molecule 3PO inhibits glycolysis but does not bind to 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (PFKFB3). <i>FEBS Letters</i> , 2020, 594, 3067-3075.	1.3	20
111	Gasdermin D Deficiency Limits the Transition of Atherosclerotic Plaques to an Inflammatory Phenotype in ApoE Knock-Out Mice. <i>Biomedicines</i> , 2022, 10, 1171.	1.4	20
112	Nitric oxide selectively depletes macrophages in atherosclerotic plaques via induction of endoplasmic reticulum stress. <i>British Journal of Pharmacology</i> , 2007, 152, 493-500.	2.7	19
113	Death and Survival Signals in Photodynamic Therapy. <i>Methods in Molecular Biology</i> , 2010, 635, 7-33.	0.4	19
114	Inhibitor screening and enzymatic activity determination for autophagy target Atg4B using a gel electrophoresis-based assay. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 631-638.	2.6	19
115	Bax-induced cell death in <i>Pichia pastoris</i> . <i>Biotechnology Letters</i> , 1999, 21, 821-829.	1.1	17
116	Mitochondrial uncoupling protein 2 mediates temperature heterogeneity in atherosclerotic plaques. <i>Cardiovascular Research</i> , 2007, 77, 425-431.	1.8	17
117	Effect of Statins on the Viability of Macrophages and Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 55, 269-275.	0.8	17
118	NecroX-7 reduces necrotic core formation in atherosclerotic plaques of ApoE knockout mice. <i>Atherosclerosis</i> , 2016, 252, 166-174.	0.4	17
119	Characterization of the role of N-glycosylation sites in the respiratory syncytial virus fusion protein in virus replication, syncytium formation and antigenicity. <i>Virus Research</i> , 2019, 266, 58-68.	1.1	17
120	Modification of the protein glycosylation pathway in the methylotrophic yeast <i>Pichia pastoris</i> . <i>Biotechnology Letters</i> , 1998, 20, 1171-1177.	1.1	16
121	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> , 2021, 8, 651215.	1.6	16
122	L-type Ca ²⁺ channel blockers inhibit the window contraction of mouse aorta segments with high affinity. <i>European Journal of Pharmacology</i> , 2014, 738, 170-178.	1.7	15
123	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> , 2015, 139, 397-402.	1.0	15
124	Defective autophagy in vascular smooth muscle cells increases passive stiffness of the mouse aortic vessel wall. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1031-1040.	1.3	15
125	Doxorubicin induces arterial stiffness: A comprehensive in vivo and ex vivo evaluation of vascular toxicity in mice. <i>Toxicology Letters</i> , 2021, 346, 23-33.	0.4	15
126	Selective Depletion of Macrophages in Atherosclerotic Plaques. <i>Circulation Research</i> , 2007, 100, 751-753.	2.0	14

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127	The cytosolic sialidase Neu2 is degraded by autophagy during myoblast atrophy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 817-828.	1.1	14
128	Comparative EPR study of different macrophage types stimulated for superoxide and nitric oxide production. <i>Free Radical Research</i> , 2010, 44, 763-772.	1.5	14
129	Fibrillin-1 impairment enhances bloodâ€“brain barrier permeability and xanthoma formation in brains of apolipoprotein E-deficient mice. <i>Neuroscience</i> , 2015, 295, 11-22.	1.1	14
130	Nitric oxide donor molsidomine favors features of atherosclerotic plaque stability and reduces myocardial infarction in mice. <i>Vascular Pharmacology</i> , 2019, 118-119, 106561.	1.0	14
131	Autophagy as an emerging therapeutic target for age-related vascular pathologies. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 131-145.	1.5	14
132	The PFKFB3 Inhibitor AZ67 Inhibits Angiogenesis Independently of Glycolysis Inhibition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5970.	1.8	14
133	Postconditioning effects of argon or xenon on early graft function in a porcine model of kidney autotransplantation. <i>British Journal of Surgery</i> , 2018, 105, 1051-1060.	0.1	13
134	Doxorubicin Impairs Smooth Muscle Cell Contraction: Novel Insights in Vascular Toxicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12812.	1.8	13
135	Removal of the N-Glycosylation Sequon at Position N116 Located in p27 of the Respiratory Syncytial Virus Fusion Protein Elicits Enhanced Antibody Responses after DNA Immunization. <i>Viruses</i> , 2018, 10, 426.	1.5	12
136	Selective Removal of Macrophages in Atherosclerotic Plaques as a Pharmacological Approach for Plaque Stabilization: Benefits Vs. Potential Complications. <i>Current Vascular Pharmacology</i> , 2010, 8, 495-508.	0.8	12
137	Progressive aortic stiffness in aging C57Bl/6 mice displays altered contractile behaviour and extracellular matrix changes. <i>Communications Biology</i> , 2022, 5, .	2.0	12
138	Exercise capacity in chronic heart failure patients is related to active gene transcription in skeletal muscle and not apoptosis. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2009, 16, 325-332.	3.1	11
139	Serum Corticosterone and Insulin Resistance as Early Biomarkers in the hAPP23 Overexpressing Mouse Model of Alzheimerâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6656.	1.8	11
140	PFKFB3 gene deletion in endothelial cells inhibits intraplaque angiogenesis and lesion formation in a murine model of venous bypass grafting. <i>Angiogenesis</i> , 2022, 25, 129-143.	3.7	11
141	The enzymatic activity of sialidase Neu2 is inversely regulated during in vitro myoblast hypertrophy and atrophy. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 376-381.	1.0	10
142	Transcript and Protein Analysis Reveals Better Survival Skills of Monocyte-Derived Dendritic Cells Compared to Monocytes during Oxidative Stress. <i>PLoS ONE</i> , 2012, 7, e43357.	1.1	10
143	Cytoprotective effects of transgenic neuroglobin overexpression in an acute and chronic mouse model of ischemic heart disease. <i>Heart and Vessels</i> , 2018, 33, 80-88.	0.5	10
144	Synthesis and evaluation of novel benzotropolones as Atg4B inhibiting autophagy blockers. <i>Bioorganic Chemistry</i> , 2019, 87, 163-168.	2.0	10

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145	Autophagy Dynamics and Modulation in a Rat Model of Renal Ischemia-Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7185.	1.8	10
146	Impact of myeloid RIPK1 gene deletion on atherogenesis in ApoE-deficient mice. <i>Atherosclerosis</i> , 2021, 322, 51-60.	0.4	10
147	Cell Death Mediated Cleavage of the Attraction Signal p43 in Human Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1415-1422.	1.1	8
148	Predictive tissue biomarkers for bevacizumab-containing therapy in metastatic colorectal cancer: an update. <i>Expert Review of Molecular Diagnostics</i> , 2015, 15, 399-414.	1.5	8
149	Contribution of α -Adrenoceptor Stimulation by Phenylephrine to Basal Nitric Oxide Production in the Isolated Mouse Aorta. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 61, 318-323.	0.8	7
150	Autophagy in Non-Alcoholic Fatty Liver Disease (NAFLD). , 0, , .		7
151	The Protective Effects of the Autophagic and Lysosomal Machinery in Vascular and Valvular Calcification: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8933.	1.8	7
152	Coupling Additive Manufacturing with Hot Melt Extrusion Technologies to Validate a Ventilator-Associated Pneumonia Mouse Model. <i>Pharmaceutics</i> , 2021, 13, 772.	2.0	7
153	High Pulsatile Load Decreases Arterial Stiffness: An ex vivo Study. <i>Frontiers in Physiology</i> , 2021, 12, 741346.	1.3	7
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