

Ilze Bot

List of Publications by Citations

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

102
papers

3,865
citations

36
h-index

60
g-index

104
ext. papers

4,454
ext. citations

7.4
avg, IF

5.09
L-index

#	Paper	IF	Citations
102	Protective role of CXC receptor 4/CXC ligand 12 unveils the importance of neutrophils in atherosclerosis. <i>Circulation Research</i> , 2008 , 102, 209-17	15.7	322
101	SDF-1alpha/CXCR4 axis is instrumental in neointimal hyperplasia and recruitment of smooth muscle progenitor cells. <i>Circulation Research</i> , 2005 , 96, 784-91	15.7	314
100	Perivascular mast cells promote atherogenesis and induce plaque destabilization in apolipoprotein E-deficient mice. <i>Circulation</i> , 2007 , 115, 2516-25	16.7	214
99	Growth differentiation factor 15 deficiency protects against atherosclerosis by attenuating CCR2-mediated macrophage chemotaxis. <i>Journal of Experimental Medicine</i> , 2011 , 208, 217-25	16.6	131
98	Acute and chronic psychological stress as risk factors for cardiovascular disease: Insights gained from epidemiological, clinical and experimental studies. <i>Brain, Behavior, and Immunity</i> , 2015 , 50, 18-30	16.6	130
97	Fibrin and activated platelets cooperatively guide stem cells to a vascular injury and promote differentiation towards an endothelial cell phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 1653-9	9.4	118
96	Microanatomy of the Human Atherosclerotic Plaque by Single-Cell Transcriptomics. <i>Circulation Research</i> , 2020 , 127, 1437-1455	15.7	96
95	Mast cells as effectors in atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 265-71	9.4	80
94	Y-box binding protein-1 controls CC chemokine ligand-5 (CCL5) expression in smooth muscle cells and contributes to neointima formation in atherosclerosis-prone mice. <i>Circulation</i> , 2007 , 116, 1812-20	16.7	78
93	Mast cells in human and experimental cardiometabolic diseases. <i>Nature Reviews Cardiology</i> , 2015 , 12, 643-58	14.8	76
92	Differential effects of regulatory T cells on the initiation and regression of atherosclerosis. <i>Atherosclerosis</i> , 2011 , 218, 53-60	3.1	75
91	Myocardin regulates vascular smooth muscle cell inflammatory activation and disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 817-28	9.4	71
90	Vascular endothelial growth factor-A induces plaque expansion in ApoE knock-out mice by promoting de novo leukocyte recruitment. <i>Blood</i> , 2007 , 109, 122-9	2.2	69
89	Exendin-4 decreases liver inflammation and atherosclerosis development simultaneously by reducing macrophage infiltration. <i>British Journal of Pharmacology</i> , 2014 , 171, 723-34	8.6	67
88	Quaking promotes monocyte differentiation into pro-atherogenic macrophages by controlling pre-mRNA splicing and gene expression. <i>Nature Communications</i> , 2016 , 7, 10846	17.4	66
87	Vaccination against Foxp3(+) regulatory T cells aggravates atherosclerosis. <i>Atherosclerosis</i> , 2010 , 209, 74-80	3.1	66
86	Mast cells in human carotid atherosclerotic plaques are associated with intraplaque microvessel density and the occurrence of future cardiovascular events. <i>European Heart Journal</i> , 2013 , 34, 3699-706	9.5	65

85	Quaking, an RNA-binding protein, is a critical regulator of vascular smooth muscle cell phenotype. <i>Circulation Research</i> , 2013 , 113, 1065-75	15.7	63
84	The neuropeptide substance P mediates adventitial mast cell activation and induces intraplaque hemorrhage in advanced atherosclerosis. <i>Circulation Research</i> , 2010 , 106, 89-92	15.7	58
83	Scavenger receptor-AI-targeted iron oxide nanoparticles for in vivo MRI detection of atherosclerotic lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1812-9	9.4	52
82	Mast cells in atherosclerosis. <i>Thrombosis and Haemostasis</i> , 2011 , 106, 820-6	7	52
81	Atherosclerotic lesion progression changes lysophosphatidic acid homeostasis to favor its accumulation. <i>American Journal of Pathology</i> , 2010 , 176, 3073-84	5.8	52
80	Mast cell chymase inhibition reduces atherosclerotic plaque progression and improves plaque stability in ApoE ^{-/-} mice. <i>Cardiovascular Research</i> , 2011 , 89, 244-52	9.9	52
79	Serine protease inhibitor Serp-1 strongly impairs atherosclerotic lesion formation and induces a stable plaque phenotype in ApoE ^{-/-} mice. <i>Circulation Research</i> , 2003 , 93, 464-71	15.7	51
78	Protease-activated receptor-2 induces myofibroblast differentiation and tissue factor up-regulation during bleomycin-induced lung injury: potential role in pulmonary fibrosis. <i>American Journal of Pathology</i> , 2010 , 177, 2753-64	5.8	49
77	Lysophosphatidic acid triggers mast cell-driven atherosclerotic plaque destabilization by increasing vascular inflammation. <i>Journal of Lipid Research</i> , 2013 , 54, 1265-74	6.3	46
76	Leukocyte-specific CCL3 deficiency inhibits atherosclerotic lesion development by affecting neutrophil accumulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, e75-83	9.4	44
75	Leukocyte cathepsin S is a potent regulator of both cell and matrix turnover in advanced atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 188-94	9.4	43
74	Interruption of the OX40-OX40 ligand pathway in LDL receptor-deficient mice causes regression of atherosclerosis. <i>Journal of Immunology</i> , 2013 , 191, 4573-80	5.3	42
73	Complement factor C5a as mast cell activator mediates vascular remodelling in vein graft disease. <i>Cardiovascular Research</i> , 2013 , 97, 311-20	9.9	42
72	Increased Plasma IgE Accelerate Atherosclerosis in Secreted IgM Deficiency. <i>Circulation Research</i> , 2017 , 120, 78-84	15.7	40
71	Myocardin regulates vascular response to injury through miR-24/-29a and platelet-derived growth factor receptor- α . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2355-65	9.4	39
70	Mast cells induce vascular smooth muscle cell apoptosis via a toll-like receptor 4 activation pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1960-9	9.4	39
69	Atorvastatin inhibits plaque development and adventitial neovascularization in ApoE deficient mice independent of plasma cholesterol levels. <i>Atherosclerosis</i> , 2011 , 214, 295-300	3.1	38
68	A novel CCR2 antagonist inhibits atherogenesis in apoE deficient mice by achieving high receptor occupancy. <i>Scientific Reports</i> , 2017 , 7, 52	4.9	37

67	Systemic MCP1/CCR2 blockade and leukocyte specific MCP1/CCR2 inhibition affect aortic aneurysm formation differently. <i>Atherosclerosis</i> , 2010 , 211, 84-9	3.1	37
66	CXCR4 blockade induces atherosclerosis by affecting neutrophil function. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 74, 44-52	5.8	36
65	Lentiviral shRNA silencing of murine bone marrow cell CCR2 leads to persistent knockdown of CCR2 function in vivo. <i>Blood</i> , 2005 , 106, 1147-53	2.2	36
64	Nuclear receptor Nurr1 is expressed in and is associated with human restenosis and inhibits vascular lesion formation in mice involving inhibition of smooth muscle cell proliferation and inflammation. <i>Circulation</i> , 2010 , 121, 2023-32	16.7	35
63	Mast cells in atherosclerotic cardiovascular disease - Activators and actions. <i>European Journal of Pharmacology</i> , 2017 , 816, 37-46	5.3	34
62	Local lentiviral short hairpin RNA silencing of CCR2 inhibits vein graft thickening in hypercholesterolemic apolipoprotein E3-Leiden mice. <i>Journal of Vascular Surgery</i> , 2009 , 50, 152-60	3.5	34
61	Mast cells mediate neutrophil recruitment during atherosclerotic plaque progression. <i>Atherosclerosis</i> , 2015 , 241, 289-96	3.1	32
60	Inhibition of MicroRNA-494 Reduces Carotid Artery Atherosclerotic Lesion Development and Increases Plaque Stability. <i>Annals of Surgery</i> , 2015 , 262, 841-7; discussion 847-8	7.8	31
59	T-cell immunoglobulin and mucin domain 3 acts as a negative regulator of atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2558-65	9.4	30
58	Complement factor C5a induces atherosclerotic plaque disruptions. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 2020-30	5.6	29
57	CD8+ T-cells contribute to lesion stabilization in advanced atherosclerosis by limiting macrophage content and CD4+ T-cell responses. <i>Cardiovascular Research</i> , 2019 , 115, 729-738	9.9	29
56	Myocardial regeneration by transplantation of modified endothelial progenitor cells expressing SDF-1 in a rat model. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 2311-20	5.6	27
55	Leucocyte cathepsin K affects atherosclerotic lesion composition and bone mineral density in low-density lipoprotein receptor deficient mice. <i>Cardiovascular Research</i> , 2009 , 81, 278-85	9.9	27
54	The serpin saga; development of a new class of virus derived anti-inflammatory protein immunotherapeutics. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 666, 132-56	3.6	27
53	Akt2/LDLr double knockout mice display impaired glucose tolerance and develop more complex atherosclerotic plaques than LDLr knockout mice. <i>Cardiovascular Research</i> , 2014 , 101, 277-87	9.9	25
52	Vascular neuropeptide Y contributes to atherosclerotic plaque progression and perivascular mast cell activation. <i>Atherosclerosis</i> , 2014 , 235, 196-203	3.1	25
51	Viral cross-class serpin inhibits vascular inflammation and T lymphocyte fratricide; a study in rodent models in vivo and human cell lines in vitro. <i>PLoS ONE</i> , 2012 , 7, e44694	3.7	25
50	Mast Cells in Cardiovascular Disease: From Bench to Bedside. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	23

49	Low-dose FK506 blocks collar-induced atherosclerotic plaque development and stabilizes plaques in ApoE ^{-/-} mice. <i>American Journal of Transplantation</i> , 2005 , 5, 1204-15	8.7	23
48	Adenosine A _{2B} receptor agonism inhibits neointimal lesion development after arterial injury in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2197-205	9.4	20
47	Mast cells in rheumatic disease. <i>European Journal of Pharmacology</i> , 2016 , 778, 116-24	5.3	19
46	RP105 deficiency attenuates early atherosclerosis via decreased monocyte influx in a CCR2 dependent manner. <i>Atherosclerosis</i> , 2015 , 238, 132-9	3.1	19
45	Inhibition of lysophosphatidic acid receptors 1 and 3 attenuates atherosclerosis development in LDL-receptor deficient mice. <i>Scientific Reports</i> , 2016 , 6, 37585	4.9	19
44	The impact of mast cells on cardiovascular diseases. <i>European Journal of Pharmacology</i> , 2016 , 778, 103-15	5.3	19
43	An unexpected intriguing effect of Toll-like receptor regulator RP105 (CD180) on atherosclerosis formation with alterations on B-cell activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2810-7	9.4	19
42	Interference of the CD30-CD30L pathway reduces atherosclerosis development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2862-8	9.4	19
41	Mast cells: pivotal players in cardiovascular diseases. <i>Current Cardiology Reviews</i> , 2008 , 4, 170-8	2.4	19
40	Hematopoietic sphingosine 1-phosphate lyase deficiency decreases atherosclerotic lesion development in LDL-receptor deficient mice. <i>PLoS ONE</i> , 2013 , 8, e63360	3.7	19
39	Oxidized low-density lipoprotein-induced apoptotic dendritic cells as a novel therapy for atherosclerosis. <i>Journal of Immunology</i> , 2015 , 194, 2208-18	5.3	15
38	Hematopoietic G-protein-coupled receptor kinase 2 deficiency decreases atherosclerotic lesion formation in LDL receptor-knockout mice. <i>FASEB Journal</i> , 2013 , 27, 265-76	0.9	15
37	Deficiency of the TLR4 analogue RP105 aggravates vein graft disease by inducing a pro-inflammatory response. <i>Scientific Reports</i> , 2016 , 6, 24248	4.9	15
36	Flow Cytometry-Based Characterization of Mast Cells in Human Atherosclerosis. <i>Cells</i> , 2019 , 8,	7.9	14
35	Systemic mastocytosis associates with cardiovascular events despite lower plasma lipid levels. <i>Atherosclerosis</i> , 2018 , 268, 152-156	3.1	13
34	Stressed brain, stressed heart?. <i>Lancet, The</i> , 2017 , 389, 770-771	4.0	12
33	Defective Autophagy in T Cells Impairs the Development of Diet-Induced Hepatic Steatosis and Atherosclerosis. <i>Frontiers in Immunology</i> , 2018 , 9, 2937	8.4	12
32	CD39 identifies a microenvironment-specific anti-inflammatory CD8 T-cell population in atherosclerotic lesions. <i>Atherosclerosis</i> , 2019 , 285, 71-78	3.1	11

31	Stress-induced mast cell activation contributes to atherosclerotic plaque destabilization. <i>Scientific Reports</i> , 2019 , 9, 2134	4.9	11
30	Circulating immunoglobulins are not associated with intraplaque mast cell number and other vulnerable plaque characteristics in patients with carotid artery stenosis. <i>PLoS ONE</i> , 2014 , 9, e88984	3.7	11
29	Lipocalin-2 contributes to experimental atherosclerosis in a stage-dependent manner. <i>Atherosclerosis</i> , 2018 , 275, 214-224	3.1	11
28	Hypercholesterolemia Induces a Mast Cell-CD4 T Cell Interaction in Atherosclerosis. <i>Journal of Immunology</i> , 2019 , 202, 1531-1539	5.3	10
27	Antisense Oligonucleotide Inhibition of MicroRNA-494 Halts Atherosclerotic Plaque Progression and Promotes Plaque Stabilization. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 18, 638-649	10.7	10
26	Agonistic anti-TIGIT treatment inhibits T cell responses in LDLr deficient mice without affecting atherosclerotic lesion development. <i>PLoS ONE</i> , 2013 , 8, e83134	3.7	9
25	B- and T-lymphocyte attenuator stimulation protects against atherosclerosis by regulating follicular B cells. <i>Cardiovascular Research</i> , 2020 , 116, 295-305	9.9	7
24	Local Mast Cell Activation Promotes Neovascularization. <i>Cells</i> , 2020 , 9,	7.9	7
23	Selective modulation of nuclear factor of activated T-cell function in restenosis by a potent bipartite peptide inhibitor. <i>Circulation Research</i> , 2012 , 110, 200-10	15.7	7
22	Identification of an internalising peptide in differentiated Calu-3 cells by phage display technology; application to gene delivery to the airways. <i>Journal of Drug Targeting</i> , 2003 , 11, 383-90	5.4	7
21	Identification of a novel CD40 ligand for targeted imaging of inflammatory plaques by phage display. <i>FASEB Journal</i> , 2013 , 27, 4136-46	0.9	6
20	Diet-induced dyslipidemia induces metabolic and migratory adaptations in regulatory T cells. <i>Cardiovascular Research</i> , 2021 , 117, 1309-1324	9.9	6
19	Mutation in KERA identified by linkage analysis and targeted resequencing in a pedigree with premature atherosclerosis. <i>PLoS ONE</i> , 2014 , 9, e98289	3.7	5
18	Uremia does not affect neointima formation in mice. <i>Scientific Reports</i> , 2017 , 7, 6496	4.9	4
17	The role of mast cells in atherosclerosis. <i>Hamostaseologie</i> , 2015 , 35, 113-20	1.9	4
16	Reply: The complexity of substance P-mediated mast cell activation. <i>Nature Reviews Cardiology</i> , 2017 , 14, 124	14.8	3
15	Leukocyte Bim deficiency does not impact atherogenesis in ldlr mice, despite a pronounced induction of autoimmune inflammation. <i>Scientific Reports</i> , 2017 , 7, 3086	4.9	3
14	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC working group on myocardial function and the ESC Working Group on Cellular Biology of the Heart.. <i>Cardiovascular Research</i> , 2022 ,	9.9	3

13	Induction of HLA-A2 restricted CD8 T cell responses against ApoB100 peptides does not affect atherosclerosis in a humanized mouse model. <i>Scientific Reports</i> , 2019 , 9, 17391	4.9	3
12	Disruption of a CD1d-mediated interaction between mast cells and NKT cells aggravates atherosclerosis. <i>Atherosclerosis</i> , 2019 , 280, 132-139	3.1	3
11	Low human and murine Mcl-1 expression leads to a pro-apoptotic plaque phenotype enriched in giant-cells. <i>Scientific Reports</i> , 2019 , 9, 14547	4.9	2
10	Inhibition of microRNA-494-3p activates Wnt signaling and reduces proinflammatory macrophage polarization in atherosclerosis. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 26, 1228-1239	10.7	2
9	Tc17 CD8+ T-cells accumulate in murine atherosclerotic lesions, but do not contribute to early atherosclerosis development. <i>Cardiovascular Research</i> , 2020 ,	9.9	2
8	The origin of atherosclerotic plaque cells: Plasticity or not?. <i>Atherosclerosis</i> , 2016 , 251, 536-537	3.1	2
7	Mast Cell Distribution in Human Carotid Atherosclerotic Plaque Differs Significantly by Histological Segment. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021 , 62, 808-815	2.3	2
6	Viral serine protease inhibitors as anti-atherosclerotic therapy. <i>Current Opinion in Investigational Drugs</i> , 2007 , 8, 729-35		2
5	Stimulation of the PD-1 Pathway Decreases Atherosclerotic Lesion Development in Ldlr Deficient Mice. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 740531	5.4	1
4	High LDL levels lessen bone destruction during antigen-induced arthritis by inhibiting osteoclast formation and function. <i>Bone</i> , 2020 , 130, 115140	4.7	1
3	Reply to: "The "cholesterol paradox" in patients with mastocytosis". <i>Atherosclerosis</i> , 2019 , 284, 262-263	3.1	
2	Relaxing the artery: A new strategy to limit atherogenesis. <i>Atherosclerosis</i> , 2016 , 251, 510-511	3.1	
1	Reply to "Lipocalin-2 contributes to experimental atherosclerosis in a stage-dependent manner". <i>Atherosclerosis</i> , 2018 , 278, 323-324	3.1	