Erik A L Biessen

List of Publications by Year
in descending order

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48	2,528	218381	214527
papers	citations	26 h-index	47 g-index

49	49	49	3913
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perivascular Mast Cells Promote Atherogenesis and Induce Plaque Destabilization in Apolipoprotein Eâ€“Deficient Mice. Circulation, 2007, 115, 2516-2525.	1.6	248
2	Induction of Rapid Atherogenesis by Perivascular Carotid Collar Placement in Apolipoprotein Eâ€“Deficient and Low-Density Lipoprotein Receptorâ€“Deficient Mice. Circulation, 2001, 103, 1164-1170.	1.6	210
3	Determination of the Upper Size Limit for Uptake and Processing of Ligands by the Asialoglycoprotein Receptor on Hepatocytesin Vitro and in Vivo. Journal of Biological Chemistry, 2001, 276, 37577-37584.	1.6	180
4	Growth differentiation factor 15 deficiency protects against atherosclerosis by attenuating CCR2-mediated macrophage chemotaxis. Journal of Experimental Medicine, 2011, 208, 217-225.	4.2	168
5	Reactive Oxygen Species Can Provide Atheroprotection via NOX4-Dependent Inhibition of Inflammation and Vascular Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 295-307.	1.1	147
6	Synthesis of Cluster Galactosides with High Affinity for the Hepatic Asialoglycoprotein Receptor. Journal of Medicinal Chemistry, 1995, 38, 1538-1546.	2.9	139
7	Design and Synthesis of Novel Amphiphilic Dendritic Galactosides for Selective Targeting of Liposomes to the Hepatic Asialoglycoprotein Receptor. Journal of Medicinal Chemistry, 1999, 42, 609-618.	2.9	133
8	Plasmacytoid Dendritic Cells Protect Against Atherosclerosis by Tuning T-Cell Proliferation and Activity. Circulation Research, 2011, 109, 1387-1395.	2.0	115
9	Reactive Oxygen-Forming Nox5 Links Vascular Smooth Muscle Cell Phenotypic Switching and Extracellular Vesicle-Mediated Vascular Calcification. Circulation Research, 2020, 127, 911-927.	2.0	104
10	Design and Synthesis of NovelN-Acetylgalactosamine-Terminated Glycolipids for Targeting of Lipoproteins to the Hepatic Asialoglycoprotein Receptor. Journal of Medicinal Chemistry, 2004, 47, 5798-5808.	2.9	76
11	Targeted delivery of oligodeoxynucleotides to parenchymal liver cells in vivo. Biochemical Journal, 1999, 340, 783-792.	1.7	72
12	Gallic Acid Antagonizes P-Selectinâ€“Mediated Plateletâ€“Leukocyte Interactions. Circulation, 2005, 111, 106-112.	1.6	66
13	Endothelial Cellâ€“Specific FGD5 Involvement in Vascular Pruning Defines Neovessel Fate in Mice. Circulation, 2012, 125, 3142-3159.	1.6	65
14	Scavenger Receptor-Aâ€“Targeted Iron Oxide Nanoparticles for In Vivo MRI Detection of Atherosclerotic Lesions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1812-1819.	1.1	59
15	Specific inhibition of P-selectinâ€“mediated cell adhesion by phage displayâ€“derived peptide antagonists. Blood, 2002, 100, 3570-3577.	0.6	51
16	Efficacy and safety of spore-forming probiotics in the treatment of functional dyspepsia: a pilot randomised, double-blind, placebo-controlled trial. The Lancet Gastroenterology and Hepatology, 2021, 6, 784-792.	3.7	48
17	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. Circulation, 2010, 121, 2023-2032.	1.6	46
18	Novel Plaque Enriched Long Noncoding RNA in Atherosclerotic Macrophage Regulation (PELATON). Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 697-713.	1.1	46

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19	Ets2 Determines the Inflammatory State of Endothelial Cells in Advanced Atherosclerotic Lesions. Circulation Research, 2011, 109, 382-395.	2.0	45
20	Specific targeting of the antiviral drug 5-Iodo 2â€²-deoxyuridine to the parenchymal liver cell using lactosylated poly-L-lysine. Journal of Hepatology, 1994, 21, 806-815.	1.8	43
21	bis-Cholesteryl-Conjugated Phosphorothioate Oligodeoxynucleotides Are Highly Selectively Taken Up by the Liver. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 619-626.	1.3	42
22	Antagonists of the Mannose Receptor and the LDL Receptorâ€“Related Protein Dramatically Delay the Clearance of Tissue Plasminogen Activator. Circulation, 1997, 95, 46-52.	1.6	39
23	Design of a Targeted Peptide Nucleic Acid Prodrug To Inhibit Hepatic Human Microsomal Triglyceride Transfer Protein Expression in Hepatocytesâ€. Bioconjugate Chemistry, 2002, 13, 295-302.	1.8	33
24	Integrative multiomics analysis of human atherosclerosis reveals a serum response factorâ€driven network associated with intraplaque hemorrhage. Clinical and Translational Medicine, 2021, 11, e458.	1.7	33
25	Non-canonical glutamine transamination sustains efferocytosis by coupling redox buffering to oxidative phosphorylation. Nature Metabolism, 2021, 3, 1313-1326.	5.1	31
26	Rational Optimization of a Short Human P-selectin-binding Peptide Leads to Nanomolar Affinity Antagonists. Journal of Biological Chemistry, 2003, 278, 10201-10207.	1.6	30
27	THSD1preserves vascular integrity and protects against intraplaque haemorrhaging in ApoE^{â^'/â^'}mice. Cardiovascular Research, 2016, 110, 129-139.	1.8	30
28	Protective role of chaperone-mediated autophagy against atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121133119.	3.3	29
29	Design and Validation of a Specific Scavenger Receptor Class AI Binding Peptide for Targeting the Inflammatory Atherosclerotic Plaque. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 971-978.	1.1	28
30	Two-faced Janus: the dual role of macrophages in atherosclerotic calcification. Cardiovascular Research, 2022, 118, 2768-2777.	1.8	20
31	Proteomic-Biostatistic Integrated Approach for Finding the Underlying Molecular Determinants of Hypertension in Human Plasma. Hypertension, 2017, 70, 412-419.	1.3	19
32	A Targeted Peptide Nucleic Acid To Down-Regulate Mouse Microsomal Triglyceride Transfer Protein Expression in Hepatocytes. Bioconjugate Chemistry, 2003, 14, 1077-1082.	1.8	13
33	Atheroma-Specific Lipids in ldlr^{â€“/â€“} and apoe^{â€“/â€“} Mice Using 2D and 3D Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. Journal of the American Society for Mass Spectrometry, 2020, 31, 1825-1832.	1.2	13
34	N-Acetyl Galactosamine Targeting: Paving the Way for Clinical Application of Nucleotide Medicines in Cardiovascular Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2855-2865.	1.1	13
35	Deficiency of myeloid PHD proteins aggravates atherogenesis via macrophage apoptosis and paracrine fibrotic signalling. Cardiovascular Research, 2022, 118, 1232-1246.	1.8	12
36	Constitutive CD40 Signaling in Dendritic Cells Limits Atherosclerosis by Provoking Inflammatory Bowel Disease and Ensuing Cholesterol Malabsorption. American Journal of Pathology, 2017, 187, 2912-2919.	1.9	11

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37	Magnetic resonance imaging contrast-enhancement with superparamagnetic iron oxide nanoparticles amplifies macrophage foam cell apoptosis in human and murine atherosclerosis. Cardiovascular Research, 2023, 118, 3346-3359.	1.8	11
38	Interruption of the CXCL13/CXCR5 Chemokine Axis Enhances Plasma IgM Levels and Attenuates Atherosclerosis Development. Thrombosis and Haemostasis, 2020, 120, 344-347.	1.8	10
39	Cathepsin K Deficiency Prevents the Aggravated Vascular Remodeling Response to Flow Cessation in ApoE-/- Mice. PLoS ONE, 2016, 11, e0162595.	1.1	9
40	Proteoglycan 4 Modulates Osteogenic Smooth Muscle Cell Differentiation during Vascular Remodeling and Intimal Calcification. Cells, 2021, 10, 1276.	1.8	9
41	Identification of a novel CD40 ligand for targeted imaging of inflammatory plaques by phage display. FASEB Journal, 2013, 27, 4136-4146.	0.2	7
42	Staging Lymphocyte Presence in Human Atherosclerosis: A Tale Told by Numbers. Journal of the American Heart Association, 2015, 4, .	1.6	6
43	Cholesterol Derivative of a New Triantennary Cluster Galactoside Lowers Serum Cholesterol Levels and Enhances Secretion of Bile Acids in the Rat. Circulation, 1995, 91, 1847-1854.	1.6	6
44	Low human and murine Mcl-1 expression leads to a pro-apoptotic plaque phenotype enriched in giant-cells. Scientific Reports, 2019, 9, 14547.	1.6	5
45	A Switch from Cell-Associated to Soluble PDGF-B Protects against Atherosclerosis, despite Driving Extramedullary Hematopoiesis. Cells, 2021, 10, 1746.	1.8	4
46	Transcriptional Sex Dimorphism in Human Atherosclerosis Relates to Plaque Type. Circulation Research, 2021, 129, 1175-1177.	2.0	3
47	Commentary: Indoleamine 2,3-Dioxygenase-Expressing Aortic Plasmacytoid Dendritic Cells Protect against Atherosclerosis by Induction of Regulatory T Cells. Frontiers in Immunology, 2017, 8, 140.	2.2	1
48	PS1 - 10. Obesity induces CD11c+ macrophages in murine adipose tissue which are distinctive from, but resemble, dendritic cells. Nederlands Tijdschrift Voor Diabetologie, 2013, 11, 148-149.	0.0	0