

Erik A L Biessen

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,528
citations

218381

26
h-index

214527

47
g-index

49
all docs

49
docs citations

49
times ranked

3913
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic resonance imaging contrast-enhancement with superparamagnetic iron oxide nanoparticles amplifies macrophage foam cell apoptosis in human and murine atherosclerosis. <i>Cardiovascular Research</i> , 2023, 118, 3346-3359.	1.8	11
2	Deficiency of myeloid PHD proteins aggravates atherogenesis via macrophage apoptosis and paracrine fibrotic signalling. <i>Cardiovascular Research</i> , 2022, 118, 1232-1246.	1.8	12
3	Two-faced Janus: the dual role of macrophages in atherosclerotic calcification. <i>Cardiovascular Research</i> , 2022, 118, 2768-2777.	1.8	20
4	Protective role of chaperone-mediated autophagy against atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121133119.	3.3	29
5	Proteoglycan 4 Modulates Osteogenic Smooth Muscle Cell Differentiation during Vascular Remodeling and Intimal Calcification. <i>Cells</i> , 2021, 10, 1276.	1.8	9
6	Integrative multiomics analysis of human atherosclerosis reveals a serum response factor-driven network associated with intraplaque hemorrhage. <i>Clinical and Translational Medicine</i> , 2021, 11, e458.	1.7	33
7	A Switch from Cell-Associated to Soluble PDGF-B Protects against Atherosclerosis, despite Driving Extramedullary Hematopoiesis. <i>Cells</i> , 2021, 10, 1746.	1.8	4
8	Efficacy and safety of spore-forming probiotics in the treatment of functional dyspepsia: a pilot randomised, double-blind, placebo-controlled trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2021, 6, 784-792.	3.7	48
9	Non-canonical glutamine transamination sustains efferocytosis by coupling redox buffering to oxidative phosphorylation. <i>Nature Metabolism</i> , 2021, 3, 1313-1326.	5.1	31
10	N-Acetyl Galactosamine Targeting: Paving the Way for Clinical Application of Nucleotide Medicines in Cardiovascular Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2855-2865.	1.1	13
11	Transcriptional Sex Dimorphism in Human Atherosclerosis Relates to Plaque Type. <i>Circulation Research</i> , 2021, 129, 1175-1177.	2.0	3
12	Novel Plaque Enriched Long Noncoding RNA in Atherosclerotic Macrophage Regulation (PELATON). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 697-713.	1.1	46
13	Interruption of the CXCL13/CXCR5 Chemokine Axis Enhances Plasma IgM Levels and Attenuates Atherosclerosis Development. <i>Thrombosis and Haemostasis</i> , 2020, 120, 344-347.	1.8	10
14	Atheroma-Specific Lipids in <i>ldl</i> ^{-/-} and <i>apoe</i> ^{-/-} Mice Using 2D and 3D Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1825-1832.	1.2	13
15	Reactive Oxygen-Forming Nox5 Links Vascular Smooth Muscle Cell Phenotypic Switching and Extracellular Vesicle-Mediated Vascular Calcification. <i>Circulation Research</i> , 2020, 127, 911-927.	2.0	104
16	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.	1.6	5
17	Constitutive CD40 Signaling in Dendritic Cells Limits Atherosclerosis by Provoking Inflammatory Bowel Disease and Ensuing Cholesterol Malabsorption. <i>American Journal of Pathology</i> , 2017, 187, 2912-2919.	1.9	11
18	Proteomic-Biostatistic Integrated Approach for Finding the Underlying Molecular Determinants of Hypertension in Human Plasma. <i>Hypertension</i> , 2017, 70, 412-419.	1.3	19

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19	Commentary: Indoleamine 2,3-Dioxygenase-Expressing Aortic Plasmacytoid Dendritic Cells Protect against Atherosclerosis by Induction of Regulatory T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 140.	2.2	1
20	Cathepsin K Deficiency Prevents the Aggravated Vascular Remodeling Response to Flow Cessation in ApoE ^{-/-} Mice. <i>PLoS ONE</i> , 2016, 11, e0162595.	1.1	9
21	<i>THSD1</i> preserves vascular integrity and protects against intraplaque haemorrhaging in ApoE ^{-/-} mice. <i>Cardiovascular Research</i> , 2016, 110, 129-139.	1.8	30
22	Reactive Oxygen Species Can Provide Atheroprotection via NOX4-Dependent Inhibition of Inflammation and Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 295-307.	1.1	147
23	Staging Lymphocyte Presence in Human Atherosclerosis: A Tale Told by Numbers. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	6
24	Identification of a novel CD40 ligand for targeted imaging of inflammatory plaques by phage display. <i>FASEB Journal</i> , 2013, 27, 4136-4146.	0.2	7
25	PS1 - 10. Obesity induces CD11c+ macrophages in murine adipose tissue which are distinctive from, but resemble, dendritic cells. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2013, 11, 148-149.	0.0	0
26	Scavenger Receptor- <i>AI</i> Targeted Iron Oxide Nanoparticles for In Vivo MRI Detection of Atherosclerotic Lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1812-1819.	1.1	59
27	Design and Validation of a Specific Scavenger Receptor Class <i>AI</i> Binding Peptide for Targeting the Inflammatory Atherosclerotic Plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 971-978.	1.1	28
28	Endothelial Cell-Specific <i>FGD5</i> Involvement in Vascular Pruning Defines Neovessel Fate in Mice. <i>Circulation</i> , 2012, 125, 3142-3159.	1.6	65
29	Plasmacytoid Dendritic Cells Protect Against Atherosclerosis by Tuning T-Cell Proliferation and Activity. <i>Circulation Research</i> , 2011, 109, 1387-1395.	2.0	115
30	<i>Ets2</i> Determines the Inflammatory State of Endothelial Cells in Advanced Atherosclerotic Lesions. <i>Circulation Research</i> , 2011, 109, 382-395.	2.0	45
31	Growth differentiation factor 15 deficiency protects against atherosclerosis by attenuating <i>CCR2</i> -mediated macrophage chemotaxis. <i>Journal of Experimental Medicine</i> , 2011, 208, 217-225.	4.2	168
32	Nuclear Receptor <i>Nurr1</i> 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, 2023-2032.	1.6	46
33	Perivascular Mast Cells Promote Atherogenesis and Induce Plaque Destabilization in Apolipoprotein E-Deficient Mice. <i>Circulation</i> , 2007, 115, 2516-2525.	1.6	248
34	Gallic Acid Antagonizes P-Selectin-Mediated Platelet-Leukocyte Interactions. <i>Circulation</i> , 2005, 111, 106-112.	1.6	66
35	Design and Synthesis of Novel N-Acetylgalactosamine-Terminated Glycolipids for Targeting of Lipoproteins to the Hepatic Asialoglycoprotein Receptor. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 5798-5808.	2.9	76
36	A Targeted Peptide Nucleic Acid To Down-Regulate Mouse Microsomal Triglyceride Transfer Protein Expression in Hepatocytes. <i>Bioconjugate Chemistry</i> , 2003, 14, 1077-1082.	1.8	13

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37	Rational Optimization of a Short Human P-selectin-binding Peptide Leads to Nanomolar Affinity Antagonists. <i>Journal of Biological Chemistry</i> , 2003, 278, 10201-10207.	1.6	30
38	bis-Cholesteryl-Conjugated Phosphorothioate Oligodeoxynucleotides Are Highly Selectively Taken Up by the Liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 619-626.	1.3	42
39	Specific inhibition of P-selectin-mediated cell adhesion by phage display-derived peptide antagonists. <i>Blood</i> , 2002, 100, 3570-3577.	0.6	51
40	Design of a Targeted Peptide Nucleic Acid Prodrug To Inhibit Hepatic Human Microsomal Triglyceride Transfer Protein Expression in Hepatocytes. <i>Bioconjugate Chemistry</i> , 2002, 13, 295-302.	1.8	33
41	Induction of Rapid Atherogenesis by Perivascular Carotid Collar Placement in Apolipoprotein E-Deficient and Low-Density Lipoprotein Receptor-Deficient Mice. <i>Circulation</i> , 2001, 103, 1164-1170.	1.6	210
42	Determination of the Upper Size Limit for Uptake and Processing of Ligands by the Asialoglycoprotein Receptor on Hepatocytes in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2001, 276, 37577-37584.	1.6	180
43	Design and Synthesis of Novel Amphiphilic Dendritic Galactosides for Selective Targeting of Liposomes to the Hepatic Asialoglycoprotein Receptor. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 609-618.	2.9	133
44	Targeted delivery of oligodeoxynucleotides to parenchymal liver cells in vivo. <i>Biochemical Journal</i> , 1999, 340, 783-792.	1.7	72
45	Antagonists of the Mannose Receptor and the LDL Receptor-Related Protein Dramatically Delay the Clearance of Tissue Plasminogen Activator. <i>Circulation</i> , 1997, 95, 46-52.	1.6	39
46	Synthesis of Cluster Galactosides with High Affinity for the Hepatic Asialoglycoprotein Receptor. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 1538-1546.	2.9	139
47	Cholesterol Derivative of a New Triantennary Cluster Galactoside Lowers Serum Cholesterol Levels and Enhances Secretion of Bile Acids in the Rat. <i>Circulation</i> , 1995, 91, 1847-1854.	1.6	6
48	Specific targeting of the antiviral drug 5-Iodo 2-deoxyuridine to the parenchymal liver cell using lactosylated poly-L-lysine. <i>Journal of Hepatology</i> , 1994, 21, 806-815.	1.8	43