

Bart De Geest

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

72
papers

2,049
citations

26
h-index

42
g-index

79
ext. papers

2,284
ext. citations

5.8
avg, IF

4.46
L-index

#	Paper	IF	Citations
72	Mesangial matrix expansion in a novel mouse model of diabetic kidney disease associated with the metabolic syndrome. <i>Journal of Nephrology</i> , 2021 , 10, e17-e17	0.6	1
71	Doxorubicin-induced cardiomyopathy: TERT gets to the heart of the matter. <i>Molecular Therapy</i> , 2021 , 29, 1363-1365	11.7	1
70	Role of high-density lipoproteins in cardioprotection and in reverse remodeling: Therapeutic implications. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 159022	5	1
69	Administration of apo A-I (Milano) nanoparticles reverses pathological remodelling, cardiac dysfunction, and heart failure in a murine model of HFpEF associated with hypertension. <i>Scientific Reports</i> , 2020 , 10, 8382	4.9	8
68	High-Density Lipoprotein-Targeted Therapies for Heart Failure. <i>Biomedicines</i> , 2020 , 8,	4.8	3
67	Cholesterol-Lowering Gene Therapy Prevents Heart Failure with Preserved Ejection Fraction in Obese Type 2 Diabetic Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
66	Effective Treatment of Diabetic Cardiomyopathy and Heart Failure with Reconstituted HDL (Milano) in Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
65	Cholesterol lowering attenuates pressure overload-induced heart failure in mice with mild hypercholesterolemia. <i>Aging</i> , 2019 , 11, 6872-6891	5.6	7
64	Successful treatment of established heart failure in mice with recombinant HDL (Milano). <i>British Journal of Pharmacology</i> , 2018 , 175, 4167-4182	8.6	21
63	Hepatocyte-Specific SR-BI Gene Transfer Corrects Cardiac Dysfunction in Scarb1-Deficient Mice and Improves Pressure Overload-Induced Cardiomyopathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2028-2040	9.4	15
62	Reconstituted HDL (Milano) Treatment Efficaciously Reverses Heart Failure with Preserved Ejection Fraction in Mice. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	14
61	Cholesterol-Lowering Gene Therapy Counteracts the Development of Non-ischemic Cardiomyopathy in Mice. <i>Molecular Therapy</i> , 2017 , 25, 2513-2525	11.7	10
60	Selective HDL-Raising Human Apo A-I Gene Therapy Counteracts Cardiac Hypertrophy, Reduces Myocardial Fibrosis, and Improves Cardiac Function in Mice with Chronic Pressure Overload. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	20
59	Coconut Oil Aggravates Pressure Overload-Induced Cardiomyopathy without Inducing Obesity, Systemic Insulin Resistance, or Cardiac Steatosis. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	17
58	Apolipoprotein A-I gene transfer exerts immunomodulatory effects and reduces vascular inflammation and fibrosis in ob/ob mice. <i>Journal of Inflammation</i> , 2016 , 13, 25	6.7	17
57	Selective homocysteine-lowering gene transfer attenuates pressure overload-induced cardiomyopathy via reduced oxidative stress. <i>Journal of Molecular Medicine</i> , 2015 , 93, 609-18	5.5	27
56	Endothelium-enriched microRNAs as diagnostic biomarkers for cardiac allograft vasculopathy. <i>Journal of Heart and Lung Transplantation</i> , 2015 , 34, 1376-84	5.8	37

55	Markers of endothelial injury and platelet microparticles are distinct in patients with stable native coronary artery disease and with cardiac allograft vasculopathy. <i>International Journal of Cardiology</i> , 2015 , 179, 331-3	3.2	2
54	Role of lipids and lipoproteins in myocardial biology and in the development of heart failure. <i>Clinical Lipidology</i> , 2015 , 10, 329-342		4
53	Corrective effects of hepatotoxicity by hepatic Dyrk1a gene delivery in mice with intermediate hyperhomocysteinemia. <i>Molecular Genetics and Metabolism Reports</i> , 2015 , 2, 51-60	1.8	3
52	Therapeutic potential of HDL in cardioprotection and tissue repair. <i>Handbook of Experimental Pharmacology</i> , 2015 , 224, 527-65	3.2	31
51	Impaired cholesterol efflux capacity and vasculoprotective function of high-density lipoprotein in heart transplant recipients. <i>Journal of Heart and Lung Transplantation</i> , 2014 , 33, 499-506	5.8	11
50	The Impact of Lipoproteins on Wound Healing: Topical HDL Therapy Corrects Delayed Wound Healing in Apolipoprotein E Deficient Mice. <i>Pharmaceuticals</i> , 2014 , 7, 419-32	5.2	17
49	Plasminogen activation by staphylokinase enhances local spreading of <i>S. aureus</i> in skin infections. <i>BMC Microbiology</i> , 2014 , 14, 310	4.5	29
48	Permanent ligation of the left anterior descending coronary artery in mice: a model of post-myocardial infarction remodelling and heart failure. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	21
47	Hepatocyte-specific Dyrk1a gene transfer rescues plasma apolipoprotein A-I levels and aortic Akt/GSK3 pathways in hyperhomocysteinemic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 718-28	6.9	12
46	Selective homocysteine lowering gene transfer improves infarct healing, attenuates remodelling, and enhances diastolic function after myocardial infarction in mice. <i>PLoS ONE</i> , 2013 , 8, e63710	3.7	6
45	Circulating apoptotic endothelial cells and apoptotic endothelial microparticles independently predict the presence of cardiac allograft vasculopathy. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 324-31	15.1	41
44	Enhanced antitumor efficacy of a vascular disrupting agent combined with an antiangiogenic in a rat liver tumor model evaluated by multiparametric MRI. <i>PLoS ONE</i> , 2012 , 7, e41140	3.7	13
43	Lipid lowering and HDL raising gene transfer increase endothelial progenitor cells, enhance myocardial vascularity, and improve diastolic function. <i>PLoS ONE</i> , 2012 , 7, e46849	3.7	22
42	Correlation of atherosclerosis between different topographic sites is highly dependent on the type of hyperlipidemia. <i>Heart and Vessels</i> , 2012 , 27, 231-4	2.1	4
41	Construction of an oncolytic herpes simplex virus that precisely targets hepatocellular carcinoma cells. <i>Molecular Therapy</i> , 2012 , 20, 339-46	11.7	44
40	The liver as a target organ for gene therapy: state of the art, challenges, and future perspectives. <i>Pharmaceuticals</i> , 2012 , 5, 1372-92	5.2	25
39	The diameter of liver sinusoidal fenestrae is not a major determinant of lipoprotein levels and atherosclerosis in cholesterol-fed rabbits. <i>Cardiovascular Pathology</i> , 2011 , 20, 44-50	3.8	4
38	Why the diameter of sinusoidal fenestrae unlikely matters for lipoprotein metabolism and atherosclerosis susceptibility. <i>Cardiovascular Pathology</i> , 2011 , 20, 193-194	3.8	1

37	Topical HDL administration reduces vein graft atherosclerosis in apo E deficient mice. <i>Atherosclerosis</i> , 2011 , 214, 271-8	3.1	24
36	Gene transfer for inherited metabolic disorders of the liver: immunological challenges. <i>Current Pharmaceutical Design</i> , 2011 , 17, 2542-9	3.3	4
35	Gene therapy for familial hypercholesterolemia. <i>Current Pharmaceutical Design</i> , 2011 , 17, 2575-91	3.3	26
34	Down-regulation of endothelial TLR4 signalling after apo A-I gene transfer contributes to improved survival in an experimental model of lipopolysaccharide-induced inflammation. <i>Journal of Molecular Medicine</i> , 2011 , 89, 151-60	5.5	28
33	Regression and stabilization of advanced murine atherosclerotic lesions: a comparison of LDL lowering and HDL raising gene transfer strategies. <i>Journal of Molecular Medicine</i> , 2011 , 89, 555-67	5.5	53
32	Correction of endothelial dysfunction after selective homocysteine lowering gene therapy reduces arterial thrombogenicity but has no effect on atherogenesis. <i>Journal of Molecular Medicine</i> , 2011 , 89, 1051-8	5.5	10
31	Blood vessel density in de novo formed adipose tissue is decreased upon overexpression of TIMP-1. <i>Obesity</i> , 2010 , 18, 638-40	8	10
30	Fixation methods for electron microscopy of human and other liver. <i>World Journal of Gastroenterology</i> , 2010 , 16, 2851-66	5.6	66
29	The relative atherogenicity of VLDL and LDL is dependent on the topographic site. <i>Journal of Lipid Research</i> , 2010 , 51, 1478-85	6.3	10
28	Hepatocyte-specific ABCA1 transfer increases HDL cholesterol but impairs HDL function and accelerates atherosclerosis. <i>Cardiovascular Research</i> , 2010 , 88, 376-85	9.9	17
27	Impact of HDL on adipose tissue metabolism and adiponectin expression. <i>Atherosclerosis</i> , 2010 , 210, 438-44	3.1	58
26	The role of liver sinusoidal cells in hepatocyte-directed gene transfer. <i>American Journal of Pathology</i> , 2010 , 176, 14-21	5.8	93
25	Gene therapy to improve high-density lipoprotein metabolism and function. <i>Current Pharmaceutical Design</i> , 2010 , 16, 1531-44	3.3	17
24	The origin of intimal smooth muscle cells: are we on a steady road back to the past?. <i>Cardiovascular Research</i> , 2009 , 81, 7-8	9.9	5
23	Vascular-protective effects of high-density lipoprotein include the downregulation of the angiotensin II type 1 receptor. <i>Hypertension</i> , 2009 , 53, 682-7	8.5	70
22	Wild-type apo A-I and apo A-I(Milano) gene transfer reduce native and transplant arteriosclerosis to a similar extent. <i>Journal of Molecular Medicine</i> , 2009 , 87, 287-97	5.5	27
21	Early effect of a single intravenous injection of ethanol on hepatic sinusoidal endothelial fenestrae in rabbits. <i>Comparative Hepatology</i> , 2009 , 8, 4		2
20	Effect of plasminogen activator inhibitor-1 on adipogenesis in vivo. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 388-393	7	14

19	Critical role of scavenger receptor-BI-expressing bone marrow-derived endothelial progenitor cells in the attenuation of allograft vasculopathy after human apo A-I transfer. <i>Blood</i> , 2009 , 113, 755-64	2.2	69
18	Species differences in hepatocyte-directed gene transfer: implications for clinical translation. <i>Current Gene Therapy</i> , 2009 , 9, 83-90	4.3	16
17	Adenoviral low density lipoprotein receptor attenuates progression of atherosclerosis and decreases tissue cholesterol levels in a murine model of familial hypercholesterolemia. <i>Atherosclerosis</i> , 2008 , 201, 289-97	3.1	26
16	Human ApoA-I transfer attenuates transplant arteriosclerosis via enhanced incorporation of bone marrow-derived endothelial progenitor cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 278-83	9.4	76
15	Human apolipoprotein A-I gene transfer reduces the development of experimental diabetic cardiomyopathy. <i>Circulation</i> , 2008 , 117, 1563-73	16.7	88
14	An efficient and safe herpes simplex virus type 1 amplicon vector for transcriptionally targeted therapy of human hepatocellular carcinomas. <i>Molecular Therapy</i> , 2007 , 15, 1129-36	11.7	22
13	Lipid emulsions potently increase transgene expression in hepatocytes after adenoviral transfer. <i>Molecular Therapy</i> , 2006 , 13, 98-107	11.7	35
12	Overexpression of tissue inhibitor of matrix metalloproteinases-1 (TIMP-1) in mice does not affect adipogenesis or adipose tissue development. <i>Thrombosis and Haemostasis</i> , 2006 , 95, 1019-24	7	21
11	Adenoviral gene transfer of ABIN-1 protects mice from TNF/galactosamine-induced acute liver failure and lethality. <i>Hepatology</i> , 2005 , 42, 381-9	11.2	38
10	Elimination of innate immune responses and liver inflammation by PEGylation of adenoviral vectors and methylprednisolone. <i>Human Gene Therapy</i> , 2005 , 16, 1439-51	4.8	59
9	Elimination of Innate Immune Responses and Liver Inflammation by PEGylation of Adenoviral Vectors and Methylprednisolone. <i>Human Gene Therapy</i> , 2005 , 051102061744001	4.8	
8	Effect of promoters and enhancers on expression, transgene DNA persistence, and hepatotoxicity after adenoviral gene transfer of human apolipoprotein A-I. <i>Human Gene Therapy</i> , 2002 , 13, 829-40	4.8	40
7	Adenovirus-mediated gene transfer of human platelet-activating factor-acetylhydrolase prevents injury-induced neointima formation and reduces spontaneous atherosclerosis in apolipoprotein E-deficient mice. <i>Circulation</i> , 2001 , 103, 2495-500	16.7	186
6	Sustained expression of human apolipoprotein A-I after adenoviral gene transfer in C57BL/6 mice: role of apolipoprotein A-I promoter, apolipoprotein A-I introns, and human apolipoprotein E enhancer. <i>Human Gene Therapy</i> , 2000 , 11, 101-12	4.8	41
5	HDL-associated PAF-AH reduces endothelial adhesiveness in apoE ^{-/-} mice. <i>FASEB Journal</i> , 2000 , 14, 2032-9	12.2	122
4	Effect of overexpression of human apo A-I in C57BL/6 and C57BL/6 apo E-deficient mice on 2 lipoprotein-associated enzymes, platelet-activating factor acetylhydrolase and paraoxonase. Comparison of adenovirus-mediated human apo A-I gene transfer and human apo A-I transgenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 512-7	9.4	41
3	The Arg123-Tyr166 central domain of human ApoAI is critical for lecithin:cholesterol acyltransferase-induced hyperalphalipoproteinemia and HDL remodeling in transgenic mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 459-66	9.4	11
2	Role of the Arg123-Tyr166 paired helix of apolipoprotein A-I in lecithin:cholesterol acyltransferase activation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 15967-72	5.4	28

- 1 Effects of adenovirus-mediated human apo A-I gene transfer on neointima formation after endothelial denudation in apo E-deficient mice. *Circulation*, **1997**, 96, 4349-56

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