Seppo YlÃ¤-Herttuala

List of Publications by Year
in descending order

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679	45,695	1368	3094
papers	citations	108 h-index	187 g-index

705	705	705	39601
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for the presence of oxidatively modified low density lipoprotein in atherosclerotic lesions of rabbit and man.. Journal of Clinical Investigation, 1989, 84, 1086-1095.	3.9	1,772
2	Autoantibody against oxidised LDL and progression of carotid atherosclerosis. Lancet, The, 1992, 339, 883-887.	6.3	1,270
3	Expression of monocyte chemoattractant protein 1 in macrophage-rich areas of human and rabbit atherosclerotic lesions.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 5252-5256.	3.3	822
4	Blocking VEGFR-3 suppresses angiogenic sprouting and vascular network formation. Nature, 2008, 454, 656-660.	13.7	731
5	Inhibition of lymphangiogenesis with resulting lymphedema in transgenic mice expressing soluble VEGF receptor-3. Nature Medicine, 2001, 7, 199-205.	15.2	687
6	Lymphatic endothelial reprogramming of vascular endothelial cells by the Prox-1 homeobox transcription factor. EMBO Journal, 2002, 21, 4593-4599.	3.5	544
7	A model for gene therapy of human hereditary lymphedema. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12677-12682.	3.3	538
8	Defective valves and abnormal mural cell recruitment underlie lymphatic vascular failure in lymphedema distichiasis. Nature Medicine, 2004, 10, 974-981.	15.2	515
9	Safety and Feasibility of Catheter-Based Local Intracoronary Vascular Endothelial Growth Factor Gene Transfer in the Prevention of Postangioplasty and In-Stent Restenosis and in the Treatment of Chronic Myocardial Ischemia. Circulation, 2003, 107, 2677-2683.	1.6	496
10	Rabbit and human atherosclerotic lesions contain IgG that recognizes epitopes of oxidized LDL.. Arteriosclerosis and Thrombosis: A Journal of Vascular Biology, 1994, 14, 32-40.	3.8	483
11	Pathogenesis of persistent lymphatic vessel hyperplasia in chronic airway inflammation. Journal of Clinical Investigation, 2005, 115, 247-257.	3.9	475
12	Distribution of oxidation specific lipid-protein adducts and apolipoprotein B in atherosclerotic lesions of varying severity from WHHL rabbits.. Arteriosclerosis (Dallas, Tex), 1990, 10, 336-349.	4.9	469
13	History of gene therapy. Gene, 2013, 525, 162-169.	1.0	450
14	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	3.7	429
15	Vascular endothelial growth factor B controls endothelial fatty acid uptake. Nature, 2010, 464, 917-921.	13.7	423
16	Biology of vascular endothelial growth factors. FEBS Letters, 2006, 580, 2879-2887.	1.3	419
17	Colocalization of 15-lipoxygenase mRNA and protein with epitopes of oxidized low density lipoprotein in macrophage-rich areas of atherosclerotic lesions.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 6959-6963.	3.3	418
18	Vascular Endothelial Growth Factors. Journal of the American College of Cardiology, 2007, 49, 1015-1026.	1.2	416

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19	Stabilization of HIF-1Î± is critical to improve wound healing in diabetic mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19426-19431.	3.3	416
20	Gene transfer as a tool to induce therapeutic vascular growth. Nature Medicine, 2003, 9, 694-701.	15.2	382
21	Bone marrow-derived circulating endothelial precursors do not contribute to vascular endothelium and are not needed for tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6620-6625.	3.3	380
22	VEGF-D Is the Strongest Angiogenic and Lymphangiogenic Effector Among VEGFs Delivered Into Skeletal Muscle via Adenoviruses. Circulation Research, 2003, 92, 1098-1106.	2.0	374
23	Cardiovascular gene therapy. Lancet, The, 2000, 355, 213-222.	6.3	373
24	Gene expression in macrophage-rich human atherosclerotic lesions. 15-lipoxygenase and acetyl low density lipoprotein receptor messenger RNA colocalize with oxidation specific lipid-protein adducts.. Journal of Clinical Investigation, 1991, 87, 1146-1152.	3.9	367
25	AdvHSV-tk gene therapy with intravenous ganciclovir improves survival in human malignant glioma: a randomised, controlled study. Molecular Therapy, 2004, 10, 967-972.	3.7	364
26	Vascular Endothelial Cell Growth Factor Receptor 3â€“Mediated Activation of Lymphatic Endothelium Is Crucial for Tumor Cell Entry and Spread via Lymphatic Vessels. Cancer Research, 2005, 65, 4739-4746.	0.4	361
27	Endgame: Glybera Finally Recommended for Approval as the First Gene Therapy Drug in the European Union. Molecular Therapy, 2012, 20, 1831-1832.	3.7	361
28	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. Nature, 2018, 558, 301-306.	13.7	359
29	Increased Vascularity Detected by Digital Subtraction Angiography after VEGF Gene Transfer to Human Lower Limb Artery: A Randomized, Placebo-Controlled, Double-Blinded Phase II Study. Molecular Therapy, 2002, 6, 127-133.	3.7	335
30	Somatic Activating KRAS Mutations in Arteriovenous Malformations of the Brain. New England Journal of Medicine, 2018, 378, 250-261.	13.9	330
31	Therapeutic differentiation and maturation of lymphatic vessels after lymph node dissection and transplantation. Nature Medicine, 2007, 13, 1458-1466.	15.2	321
32	Interactions of polymeric and liposomal gene delivery systems with extracellular glycosaminoglycans: physicochemical and transfection studies. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1415, 331-341.	1.4	311
33	FOXC2 controls formation and maturation of lymphatic collecting vessels through cooperation with NFATc1. Journal of Cell Biology, 2009, 185, 439-457.	2.3	295
34	VEGF-A Links Angiogenesis and Inflammation in Inflammatory Bowel Disease Pathogenesis. Gastroenterology, 2009, 136, 585-595.e5.	0.6	289
35	Thymidine Kinase Gene Therapy for Human Malignant Glioma, Using Replication-Deficient Retroviruses or Adenoviruses. Human Gene Therapy, 2000, 11, 2197-2205.	1.4	284
36	Microanatomy of the Human Atherosclerotic Plaque by Single-Cell Transcriptomics. Circulation Research, 2020, 127, 1437-1455.	2.0	283

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37	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. Nature Cell Biology, 2011, 13, 1202-1213.	4.6	272
38	Intrahippocampal injection of a lentiviral vector expressing Nrf2 improves spatial learning in a mouse model of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16505-16510.	3.3	258
39	1H MRS detects polyunsaturated fatty acid accumulation during gene therapy of glioma: Implications for the in vivo detection of apoptosis. Nature Medicine, 1999, 5, 1323-1327.	15.2	249
40	VEGF-B is dispensable for blood vessel growth but critical for their survival, and VEGF-B targeting inhibits pathological angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6152-6157.	3.3	243
41	Expression of Extracellular SOD and iNOS in Macrophages and Smooth Muscle Cells in Human and Rabbit Atherosclerotic Lesions. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 157-167.	1.1	240
42	Lipoprotein-Associated Phospholipase A ₂ , Platelet-Activating Factor Acetylhydrolase, Is Expressed by Macrophages in Human and Rabbit Atherosclerotic Lesions. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 2909-2917.	1.1	233
43	DNA hypomethylation and methyltransferase expression in atherosclerotic lesions. Vascular Medicine, 2002, 7, 5-11.	0.8	218
44	Angiopoietin-1 promotes lymphatic sprouting and hyperplasia. Blood, 2005, 105, 4642-4648.	0.6	218
45	Nuclear factor erythroid 2-related factor 2 protects against beta amyloid. Molecular and Cellular Neurosciences, 2008, 39, 302-313.	1.0	218
46	Catheter-Mediated Vascular Endothelial Growth Factor Gene Transfer to Human Coronary Arteries after Angioplasty. Human Gene Therapy, 2000, 11, 263-270.	1.4	202
47	Adenoviral Expression of Vascular Endothelial Growth Factor-C Induces Lymphangiogenesis in the Skin. Circulation Research, 2001, 88, 623-629.	2.0	197
48	VEGF Gene Transfer Reduces Intimal Thickening via Increased Production of Nitric Oxide in Carotid Arteries. Human Gene Therapy, 1997, 8, 1737-1744.	1.4	196
49	Epigenetics and atherosclerosis. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 886-891.	1.1	194
50	Vascular Endothelial Growth Factor-C Accelerates Diabetic Wound Healing. American Journal of Pathology, 2006, 169, 1080-1087.	1.9	192
51	Adenovirus-mediated gene therapy with sitimagene ceradenovec followed by intravenous ganciclovir for patients with operable high-grade glioma (ASPECT): a randomised, open-label, phase 3 trial. Lancet Oncology, The, 2013, 14, 823-833.	5.1	192
52	Adenovirus-Mediated Gene Transfer to Lower Limb Artery of Patients with Chronic Critical Leg Ischemia. Human Gene Therapy, 1998, 9, 1481-1486.	1.4	189
53	Tie1 controls angiopoietin function in vascular remodeling and inflammation. Journal of Clinical Investigation, 2016, 126, 3495-3510.	3.9	189
54	Î²-Galactosidase Gene Transfer to Human Malignant Glioma In Vivo Using Replication-Deficient Retroviruses and Adenoviruses. Human Gene Therapy, 1998, 9, 1769-1774.	1.4	187

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55	Effects of Angiopoietin-2-Blocking Antibody on Endothelial Cellâ€“Cell Junctions and Lung Metastasis. Journal of the National Cancer Institute, 2012, 104, 461-475.	3.0	186
56	Macrophages and smooth muscle cells express lipoprotein lipase in human and rabbit atherosclerotic lesions.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10143-10147.	3.3	184
57	Adenoviral Catheter-Mediated Intramyocardial Gene Transfer Using the Mature Form of Vascular Endothelial Growth Factor-D Induces Transmural Angiogenesis in Porcine Heart. Circulation, 2004, 109, 1029-1035.	1.6	182
58	Electrophilic Nitro-fatty Acids Activate NRF2 by a KEAP1 Cysteine 151-independent Mechanism. Journal of Biological Chemistry, 2011, 286, 14019-14027.	1.6	182
59	Gene Therapy for Malignant Glioma: Current Clinical Status. Molecular Therapy, 2005, 12, 585-598.	3.7	180
60	Hypoxia induces microRNA miRâ€210 in vitro and in vivo. FEBS Letters, 2008, 582, 2397-2401.	1.3	176
61	Angiogenesis-Dependent and Independent Phases of Intimal Hyperplasia. Circulation, 2004, 110, 2436-2443.	1.6	172
62	Vascular Endothelial Growth Factor-B Induces Myocardium-Specific Angiogenesis and Arteriogenesis via Vascular Endothelial Growth Factor Receptor-1â€“ and Neuropilin Receptor-1â€“Dependent Mechanisms. Circulation, 2009, 119, 845-856.	1.6	172
63	Intravesical nadofaragene firadenovec gene therapy for BCG-unresponsive non-muscle-invasive bladder cancer: a single-arm, open-label, repeat-dose clinical trial. Lancet Oncology, The, 2021, 22, 107-117.	5.1	172
64	Nrf2 Gene Transfer Induces Antioxidant Enzymes and Suppresses Smooth Muscle Cell Growth In Vitro and Reduces Oxidative Stress in Rabbit Aorta In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 741-747.	1.1	167
65	Distinct vascular endothelial growth factor signals for lymphatic vessel enlargement and sprouting. Journal of Experimental Medicine, 2007, 204, 1431-1440.	4.2	167
66	KLF2 Primes the Antioxidant Transcription Factor Nrf2 for Activation in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1339-1346.	1.1	167
67	Growth Factor Therapy and Autologous Lymph Node Transfer in Lymphedema. Circulation, 2011, 123, 613-620.	1.6	163
68	Avidin-biotin technology in targeted therapy. Expert Opinion on Drug Delivery, 2010, 7, 551-564.	2.4	159
69	Current Status of Cardiovascular Gene Therapy. Molecular Therapy, 2007, 15, 1233-1247.	3.7	158
70	Involvement of specific macrophage-lineage cells surrounding arterioles in barrier and scavenger function in brain cortex.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3269-3274.	3.3	158
71	Baculovirus: an Insect-derived Vector for Diverse Gene Transfer Applications. Molecular Therapy, 2013, 21, 739-749.	3.7	155
72	Efficient adventitial gene delivery to rabbit carotid artery with cationic polymerâ€“plasmid complexes. Gene Therapy, 1999, 6, 6-11.	2.3	153

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73	Hypoxia and platelet-derived growth factor-BB synergistically upregulate the expression of vascular endothelial growth factor in vascular smooth muscle cells. FEBS Letters, 1995, 358, 311-315.	1.3	150
74	Nrf2-dependent and -independent Responses to Nitro-fatty Acids in Human Endothelial Cells. Journal of Biological Chemistry, 2009, 284, 33233-33241.	1.6	150
75	VEGF receptor 2/-3 heterodimers detected in situ by proximity ligation on angiogenic sprouts. EMBO Journal, 2010, 29, 1377-1388.	3.5	149
76	Adenoviral VEGFâ€€ overexpression induces blood vessel enlargement, tortuosity, and leakiness but no sprouting angiogenesis in the skin or mucous membranes. FASEB Journal, 2002, 16, 1041-1049.	0.2	147
77	Lymphangiogenic Gene Therapy With Minimal Blood Vascular Side Effects. Journal of Experimental Medicine, 2002, 196, 719-730.	4.2	147
78	Evaluation of Î± _v Î² ₃ Integrin-Targeted Positron Emission Tomography Tracer ¹⁸ F-Galacto-RGD for Imaging of Vascular Inflammation in Atherosclerotic Mice. Circulation: Cardiovascular Imaging, 2009, 2, 331-338.	1.3	145
79	Baculovirus-mediated periadventitial gene transfer to rabbit carotid artery. Gene Therapy, 2000, 7, 1499-1504.	2.3	144
80	Local Hypomethylation in Atherosclerosis Found in Rabbitec-sodGene. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 2171-2178.	1.1	143
81	Cardiovascular Gene Therapy: Past, Present, and Future. Molecular Therapy, 2017, 25, 1095-1106.	3.7	141
82	Stabilisation of atherosclerotic plaques. Thrombosis and Haemostasis, 2011, 106, 1-19.	1.8	139
83	Fibroblast growth factorâ€€4 induces vascular permeability, angiogenesis, and arteriogenesis in a rabbit hind limb ischemia model. FASEB Journal, 2003, 17, 100-102.	0.2	136
84	Challenges in monoclonal antibody-based therapies. Annals of Medicine, 2009, 41, 322-331.	1.5	133
85	Expression of alpha 2-macroglobulin receptor/low density lipoprotein receptor-related protein and scavenger receptor in human atherosclerotic lesions.. Journal of Clinical Investigation, 1994, 93, 2014-2021.	3.9	133
86	Overexpression of Vascular Endothelial Growth Factor-B in Mouse Heart Alters Cardiac Lipid Metabolism and Induces Myocardial Hypertrophy. Circulation Research, 2008, 103, 1018-1026.	2.0	131
87	Targeting Lymphatic Vessel Activation and CCL21 Production by Vascular Endothelial Growth Factor Receptor-3 Inhibition Has Novel Immunomodulatory and Antiarteriosclerotic Effects in Cardiac Allografts. Circulation, 2010, 121, 1413-1422.	1.6	131
88	Vascular Endothelial Growth Factor-B Acts as a Coronary Growth Factor in Transgenic Rats Without Inducing Angiogenesis, Vascular Leak, or Inflammation. Circulation, 2010, 122, 1725-1733.	1.6	129
89	Intravascular Adenovirus-Mediated VEGF-C Gene Transfer Reduces Neointima Formation in Balloon-Denuded Rabbit Aorta. Circulation, 2000, 102, 2262-2268.	1.6	127
90	Adenoviral VEGF-A gene transfer induces angiogenesis and promotes bone formation in healing osseous tissues. Journal of Gene Medicine, 2003, 5, 560-566.	1.4	125

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91	Lymphangiogenic Growth Factor Responsiveness Is Modulated by Postnatal Lymphatic Vessel Maturation. American Journal of Pathology, 2006, 169, 708-718.	1.9	125
92	Lymphatic vasculature is increased in heart valves, ischaemic and inflamed hearts and in cholesterol-rich and calcified atherosclerotic lesions. European Journal of Clinical Investigation, 2011, 41, 487-497.	1.7	124
93	Intravesical rAdâ€“IFNÎ±/Syn3 for Patients With High-Grade, Bacillus Calmette-Guerinâ€“Refractory or Relapsed Nonâ€“Muscle-Invasive Bladder Cancer: A Phase II Randomized Study. Journal of Clinical Oncology, 2017, 35, 3410-3416.	0.8	124
94	Angiogenic gene therapy in cardiovascular diseases: dream or vision?. European Heart Journal, 2017, 38, ehw547.	1.0	123
95	Transfer of 15-lipoxygenase gene into rabbit iliac arteries results in the appearance of oxidation-specific lipid-protein adducts characteristic of oxidized low density lipoprotein.. Journal of Clinical Investigation, 1995, 95, 2692-2698.	3.9	123
96	Low-grade inflammation and the phenotypic expression of myocardial fibrosis in hypertrophic cardiomyopathy. Heart, 2012, 98, 1007-1013.	1.2	122
97	Nrf2 Regulates Antioxidant Gene Expression Evoked by Oxidized Phospholipids in Endothelial Cells and Murine Arteries In Vivo. Circulation Research, 2008, 103, e1-9.	2.0	121
98	Evolving revascularization approaches for myocardial ischemia. American Journal of Cardiology, 2003, 92, 9-17.	0.7	120
99	Granulocyte transmigration through the endothelium is regulated by the oxidase activity of vascular adhesion protein-1 (VAP-1). Blood, 2004, 103, 3388-3395.	0.6	120
100	Enhanced Polyamine Catabolism Alters Homeostatic Control of White Adipose Tissue Mass, Energy Expenditure, and Glucose Metabolism. Molecular and Cellular Biology, 2007, 27, 4953-4967.	1.1	120
101	Vascular Endothelial Growth Factor Enhances Cardiac Allograft Arteriosclerosis. Circulation, 2002, 105, 2524-2530.	1.6	119
102	Global DNA methylation analysis of human atherosclerotic plaques reveals extensive genomic hypomethylation and reactivation at imprinted locus 14q32 involving induction of a miRNA cluster. European Heart Journal, 2015, 36, 993-1000.	1.0	119
103	Stabilized HIFâ€1Î± is superior to VEGF for angiogenesis in skeletal muscle via adenoâ€associated virus gene transfer. FASEB Journal, 2005, 19, 1365-1367.	0.2	118
104	Stable RNA interference: comparison of U6 and H1 promoters in endothelial cells and in mouse brain. Journal of Gene Medicine, 2006, 8, 433-441.	1.4	116
105	Eight-year safety follow-up of coronary artery disease patients after local intracoronary VEGF gene transfer. Gene Therapy, 2009, 16, 629-634.	2.3	116
106	Notch restricts lymphatic vessel sprouting induced by vascular endothelial growth factor. Blood, 2011, 118, 1154-1162.	0.6	116
107	Oxidized LDL and Atherogenesisa. Annals of the New York Academy of Sciences, 1999, 874, 134-137.	1.8	115
108	Gene Transfer into the Carotid Artery Using an Adventitial Collar: Comparison of the Effectiveness of the Plasmidâ€“Liposome Complexes, Retroviruses, Pseudotyped Retroviruses, and Adenoviruses. Human Gene Therapy, 1997, 8, 1645-1650.	1.4	113

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109	Baseline Diene Conjugation in LDL Lipids as a Direct Measure of In Vivo LDL Oxidation. Clinical Biochemistry, 1998, 31, 257-261.	0.8	111
110	Upregulated Signaling Pathways in Ruptured Human Saccular Intracranial Aneurysm Wall: An Emerging Regulative Role of Toll-Like Receptor Signaling and Nuclear Factor-Î¹B, Hypoxia-Inducible Factor-1A, and ETS Transcription Factors. Neurosurgery, 2011, 68, 1667-1676.	0.6	111
111	Simvastatin has an anti-inflammatory effect on macrophages via upregulation of an atheroprotective transcription factor, Kruppel-like factor 2. Cardiovascular Research, 2008, 78, 175-184.	1.8	109
112	Hyperbaric oxygen therapy activates hypoxiaâ€inducible factor 1 (<scp>HIF</scp>â€1), which contributes to improved wound healing in diabetic mice. Wound Repair and Regeneration, 2015, 23, 98-103.	1.5	109
113	Adenoviral intramyocardial VEGF-DÎ”NÎ”C gene transfer increases myocardial perfusion reserve in refractory angina patients: a phase I/IIa study with 1-year follow-up. European Heart Journal, 2017, 38, 2547-2555.	1.0	109
114	Evaluation of angiogenesis and side effects in ischemic rabbit hindlimbs after intramuscular injection of adenoviral vectors encoding VEGF andLacZ. Journal of Gene Medicine, 2002, 4, 371-380.	1.4	108
115	Angiopoietinâ€regulated recruitment of vascular smooth muscle cells by endothelialâ€derived heparin binding EGFâ€like growth factor. FASEB Journal, 2003, 17, 1609-1621.	0.2	106
116	Progress and Prospects: Gene Therapy Clinical Trials (Part 1). Gene Therapy, 2007, 14, 1439-1447.	2.3	106
117	DNA Methylation, Smooth Muscle Cells, and Atherogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1750-1753.	1.1	104
118	The Tyrosine Kinase Inhibitor Cediranib Blocks Ligand-Induced Vascular Endothelial Growth Factor Receptor-3 Activity and Lymphangiogenesis. Cancer Research, 2008, 68, 4754-4762.	0.4	104
119	Efficient Regulation of VEGF Expression by Promoter-Targeted Lentiviral shRNAs Based on Epigenetic Mechanism. Circulation Research, 2009, 105, 604-609.	2.0	103
120	Photodynamic Ablation of Lymphatic Vessels and Intralymphatic Cancer Cells Prevents Metastasis. Science Translational Medicine, 2011, 3, 69ra11.	5.8	103
121	Blood Flow Remodels Growing Vasculature During Vascular Endothelial Growth Factor Gene Therapy and Determines Between Capillary Arterialization and Sprouting Angiogenesis. Circulation, 2005, 112, 3937-3946.	1.6	102
122	Differential but Complementary HIF1Î± and HIF2Î± Transcriptional Regulation. Molecular Therapy, 2018, 26, 1735-1745.	3.7	102
123	Antioxidant Gene Therapy for Cardiovascular Disease. Circulation, 2008, 117, 2142-2150.	1.6	101
124	Stabilization of atherosclerotic plaques: an update. European Heart Journal, 2013, 34, 3251-3258.	1.0	101
125	Cell-Type-Specific Characteristics Modulate the Transduction Efficiency of Adeno-Associated Virus Type 2 and Restrain Infection of Endothelial Cells. Journal of Virology, 2002, 76, 11530-11540.	1.5	99
126	Adenovirus-Mediated Extracellular Superoxide Dismutase Gene Therapy Reduces Neointima Formation in Balloon-Denuded Rabbit Aorta. Circulation, 2002, 106, 1999-2003.	1.6	99

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127	Angiopoietin-1 Protects Against the Development of Cardiac Allograft Arteriosclerosis. Circulation, 2003, 107, 1308-1314.	1.6	99
128	In Vivo Low Density Lipoprotein Oxidation Relates to Coronary Reactivity in Young Men. Journal of the American College of Cardiology, 1997, 30, 97-102.	1.2	98
129	Monitoring thymidine kinase and ganciclovir-induced changes in rat malignant glioma in vivo by nuclear magnetic resonance imaging. Cancer Gene Therapy, 1998, 5, 101-9.	2.2	97
130	Down's syndrome and atherosclerosis. Atherosclerosis, 1989, 76, 269-272.	0.4	94
131	Silencing of either SR-A or CD36 reduces atherosclerosis in hyperlipidaemic mice and reveals reciprocal upregulation of these receptors. Cardiovascular Research, 2010, 88, 530-538.	1.8	94
132	HIF-VEGF-VEGFR-2, TNF-Î± and IGF pathways are upregulated in critical human skeletal muscle ischemia as studied with DNA array. Atherosclerosis, 2004, 174, 111-120.	0.4	93
133	Overexpression of PHGPx inhibits hydroperoxide-induced oxidation, NFÎºB activation and apoptosis and affects oxLDL-mediated proliferation of rabbit aortic smooth muscle cells. Atherosclerosis, 2000, 152, 307-316.	0.4	92
134	Biodistribution of adenoviral vector to nontarget tissues after local in vivo gene transfer to arterial wall using intravascular and periadventitial gene delivery methods. FASEB Journal, 2000, 14, 2230-2236.	0.2	91
135	Enhanced Gene Delivery by Avidin-Displaying Baculovirus. Molecular Therapy, 2004, 9, 282-291.	3.7	91
136	Lymphatic Vessel Insufficiency in Hypercholesterolemic Mice Alters Lipoprotein Levels and Promotes Atherogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1162-1170.	1.1	91
137	BMP6/TAZ-Hippo signaling modulates angiogenesis and endothelial cell response to VEGF. Angiogenesis, 2021, 24, 129-144.	3.7	91
138	Is oxidized lowâ€density lipoprotein present in vivo?. Current Opinion in Lipidology, 1998, 9, 337-344.	1.2	91
139	Doxycycline-regulated lentiviral vector system with a novel reverse transactivator rtTA2S-M2 shows a tight control of gene expression in vitro and in vivo. Gene Therapy, 2003, 10, 459-466.	2.3	90
140	The absence of macrophage Nrf2 promotes early atherogenesis. Cardiovascular Research, 2013, 98, 107-115.	1.8	90
141	Baculoviruses exhibit restricted cell type specificity in rat brain: a comparison of baculovirus- and adenovirus-mediated intracerebral gene transfer in vivo. Gene Therapy, 2002, 9, 1693-1699.	2.3	89
142	Baculovirus capsid display: a novel tool for transduction imaging. Molecular Therapy, 2003, 8, 853-862.	3.7	89
143	Vascular endothelial growth factorâ€C gene therapy restores lymphatic flow across incision wounds. FASEB Journal, 2004, 18, 1707-1709.	0.2	89
144	Activated Forms of VEGF-C and VEGF-D Provide Improved Vascular Function in Skeletal Muscle. Circulation Research, 2009, 104, 1302-1312.	2.0	89

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145	HIF-1 Induction Attenuates Nrf2-Dependent IL-8 Expression in Human Endothelial Cells. Antioxidants and Redox Signaling, 2009, 11, 1501-1517.	2.5	89
146	Macrophages and Oxidized Low Density Lipoproteins in the Pathogenesis of Atherosclerosis. Annals of Medicine, 1991, 23, 561-567.	1.5	88
147	Characterization of two lipoproteins containing apolipoproteins B and E from lesion-free human aortic intima.. Journal of Lipid Research, 1988, 29, 563-572.	2.0	88
148	Gene Therapy for Ischemic Cardiovascular Diseases: Some Lessons Learned from the First Clinical Trials. Trends in Cardiovascular Medicine, 2004, 14, 295-300.	2.3	85
149	Heme oxygenase 1 is induced by miR-155 via reduced BACH1 translation in endothelial cells. Free Radical Biology and Medicine, 2011, 51, 2124-2131.	1.3	84
150	Endothelial PDGF-CC regulates angiogenesis-dependent thermogenesis in beige fat. Nature Communications, 2016, 7, 12152.	5.8	84
151	Acute infections in children are accompanied by oxidative modification of LDL and decrease of HDL cholesterol, and are followed by thickening of carotid intimaâ€“media. European Heart Journal, 2003, 24, 515-521.	1.0	83
152	Changes in gene expression in atherosclerotic plaques analyzed using DNA array. Atherosclerosis, 2002, 165, 23-32.	0.4	81
153	Lipoproteins in normal and atherosclerotic aorta. European Heart Journal, 1990, 11, 88-99.	1.0	80
154	Lymph Node Transfer and Perinodal Lymphatic Growth Factor Treatment for Lymphedema. Annals of Surgery, 2013, 257, 961-967.	2.1	80
155	Low interleukin-2 concentration favors generation of early memory T cells over effector phenotypes during chimeric antigen receptor T-cell expansion. Cytotherapy, 2017, 19, 689-702.	0.3	80
156	Gene Transfers of Vascular Endothelial Growth Factor-A, Vascular Endothelial Growth Factor-B, Vascular Endothelial Growth Factor-C, and Vascular Endothelial Growth Factor-D Have No Effects on Atherosclerosis in Hypercholesterolemic Low-Density Lipoprotein-Receptor/Apolipoprotein B48-Deficient Mice. Circulation, 2005, 112, 1347-1352.	1.6	79
157	Rhizavidin from Rhizobium etli: the first natural dimer in the avidin protein family. Biochemical Journal, 2007, 405, 397-405.	1.7	77
158	Structural determinants of vascular endothelial growth factor-D receptor binding and specificity. Blood, 2011, 117, 1507-1515.	0.6	76
159	In Vitro Targeting of Avidin-Expressing Glioma Cells with Biotinylated Persistent Luminescence Nanoparticles. Bioconjugate Chemistry, 2012, 23, 472-478.	1.8	76
160	Promoting blood vessel growth in ischemic diseases: challenges in translating preclinical potential into clinical success. DMM Disease Models and Mechanisms, 2013, 6, 312-22.	1.2	76
161	Angiogenic Responses of Vascular Endothelial Growth Factors in Periadventitial Tissue. Human Gene Therapy, 2003, 14, 1451-1462.	1.4	75
162	Growth factor-induced therapeutic angiogenesis and arteriogenesis in the heart?gene therapy. Cardiovascular Research, 2005, 65, 656-664.	1.8	75

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