

Matti Jauhiainen

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,741
citations

172457

29
h-index

197818

49
g-index

82
all docs

82
docs citations

82
times ranked

4941
citing authors

#	ARTICLE	IF	CITATIONS
1	A metabolic view on menopause and ageing. <i>Nature Communications</i> , 2014, 5, 4708.	12.8	196
2	Human Plasma Phospholipid Transfer Protein Increases the Antiatherogenic Potential of High Density Lipoproteins in Transgenic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 1082-1088.	2.4	188
3	Susceptibility of low-density lipoprotein particles to aggregate depends on particle lipidome, is modifiable, and associates with future cardiovascular deaths. <i>European Heart Journal</i> , 2018, 39, 2562-2573.	2.2	126
4	Composition and lipid spatial distribution of HDL particles in subjects with low and high HDL-cholesterol. <i>Journal of Lipid Research</i> , 2010, 51, 2341-2351.	4.2	111
5	Quantitation of serum angiopoietin-like proteins 3 and 4 in a Finnish population sample. <i>Journal of Lipid Research</i> , 2010, 51, 824-831.	4.2	95
6	Low STAT3 expression sensitizes to toxic effects of β_2 -adrenergic receptor stimulation in peripartum cardiomyopathy. <i>European Heart Journal</i> , 2017, 38, ehw086.	2.2	87
7	Antigenic Differences between AS03 Adjuvanted Influenza A (H1N1) Pandemic Vaccines: Implications for Pandemrix-Associated Narcolepsy Risk. <i>PLoS ONE</i> , 2014, 9, e114361.	2.5	87
8	Dietary determinants of serum paraoxonase activity in healthy humans. <i>Atherosclerosis</i> , 2002, 160, 425-432.	0.8	86
9	Serum, but not monocyte macrophage foam cells derived from low HDL-C subjects, displays reduced cholesterol efflux capacity. <i>Journal of Lipid Research</i> , 2009, 50, 183-192.	4.2	74
10	Regulation of Angiopoietin-Like Proteins (ANGPTLs) 3 and 8 by Insulin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1299-E1307.	3.6	72
11	Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. <i>Scientific Reports</i> , 2016, 6, 24828.	3.3	72
12	The Cholesterol Content of Western Diets Plays a Major Role in the Paradoxical Increase in High-Density Lipoprotein Cholesterol and Upregulates the Macrophage Reverse Cholesterol Transport Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2493-2499.	2.4	64
13	Effects of Whole Grain, Fish and Bilberries on Serum Metabolic Profile and Lipid Transfer Protein Activities: A Randomized Trial (Sysdimet). <i>PLoS ONE</i> , 2014, 9, e90352.	2.5	60
14	USF1 deficiency activates brown adipose tissue and improves cardiometabolic health. <i>Science Translational Medicine</i> , 2016, 8, 323ra13.	12.4	58
15	PCSK9 inhibition alters the lipidome of plasma and lipoprotein fractions. <i>Atherosclerosis</i> , 2018, 269, 159-165.	0.8	56
16	Extracellular Lipids Accumulate in Human Carotid Arteries as Distinct Three-Dimensional Structures and Have Proinflammatory Properties. <i>American Journal of Pathology</i> , 2018, 188, 525-538.	3.8	56
17	Determination of human plasma phospholipid transfer protein mass and activity. <i>Methods</i> , 2005, 36, 97-101.	3.8	53
18	Cholesterol Efflux from Macrophage Foam Cells Is Enhanced by Active Phospholipid Transfer Protein through Generation of Two Types of Acceptor Particles. <i>Biochemistry</i> , 2007, 46, 11979-11986.	2.5	47

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19	The effects of VEGF-A on atherosclerosis, lipoprotein profile, and lipoprotein lipase in hyperlipidaemic mouse models. <i>Cardiovascular Research</i> , 2013, 99, 716-723.	3.8	47
20	Lipoprotein-associated estrogens. <i>Cardiovascular Research</i> , 2002, 56, 184-188.	3.8	45
21	LDL Receptor Regulates the Reverse Transport of Macrophage-Derived Unesterified Cholesterol via Concerted Action of the HDL-LDL Axis. <i>Circulation Research</i> , 2020, 127, 778-792.	4.5	45
22	Specific collagen XVIII isoforms promote adipose tissue accrual via mechanisms determining adipocyte number and affect fat deposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3043-52.	7.1	43
23	Human macrophage cholesterol efflux potential is enhanced by HDL-associated 17 β -estradiol fatty acyl esters. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 116, 44-49.	2.5	42
24	IgE Contributes to Atherosclerosis and Obesity by Affecting Macrophage Polarization, Macrophage Protein Network, and Foam Cell Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 597-610.	2.4	41
25	ApoA-I mimetic administration, but not increased apoA-I-containing HDL, inhibits tumour growth in a mouse model of inherited breast cancer. <i>Scientific Reports</i> , 2016, 6, 36387.	3.3	34
26	Apolipoprotein A-I Exerts Bactericidal Activity against <i>Yersinia enterocolitica</i> Serotype O:3*. <i>Journal of Biological Chemistry</i> , 2011, 286, 38211-38219.	3.4	33
27	Complement Factor H Binds to Human Serum Apolipoprotein E and Mediates Complement Regulation on High Density Lipoprotein Particles. <i>Journal of Biological Chemistry</i> , 2015, 290, 28977-28987.	3.4	31
28	Carboxyl-Terminal Cleavage of Apolipoprotein A-I by Human Mast Cell Chymase Impairs Its Anti-Inflammatory Properties. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 274-284.	2.4	31
29	New medications targeting triglyceride-rich lipoproteins: Can inhibition of ANGPTL3 or apoC-III reduce the residual cardiovascular risk?. <i>Atherosclerosis</i> , 2018, 272, 27-32.	0.8	30
30	Metabolomic Signature of Angiotensin-Like Protein 3 Deficiency in Fasting and Postprandial State. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 665-674.	2.4	29
31	The impact of gender and serum estradiol levels on HDL-mediated reverse cholesterol transport. <i>European Journal of Clinical Investigation</i> , 2013, 43, 317-323.	3.4	28
32	Low-Expression Variant of Fatty Acid-Binding Protein 4 Favors Reduced Manifestations of Atherosclerotic Disease and Increased Plaque Stability. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 588-598.	5.1	28
33	Type 2 diabetes enhances arterial uptake of choline in atherosclerotic mice: an imaging study with positron emission tomography tracer 18F-fluoromethylcholine. <i>Cardiovascular Diabetology</i> , 2016, 15, 26.	6.8	27
34	Ketogenic diet attenuates hepatopathy in mouse model of respiratory chain complex III deficiency caused by a <i>Bcs1l</i> mutation. <i>Scientific Reports</i> , 2017, 7, 957.	3.3	27
35	Complement Factor H and Apolipoprotein E Participate in Regulation of Inflammation in THP-1 Macrophages. <i>Frontiers in Immunology</i> , 2018, 9, 2701.	4.8	27
36	Nuclear factor E2-related factor 2 deficiency impairs atherosclerotic lesion development but promotes features of plaque instability in hypercholesterolaemic mice. <i>Cardiovascular Research</i> , 2019, 115, 243-254.	3.8	27

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37	Atomistic MD simulation reveals the mechanism by which CETP penetrates into HDL enabling lipid transfer from HDL to CETP. <i>Journal of Lipid Research</i> , 2015, 56, 98-108.	4.2	26
38	A Novel Positron Emission Tomography (PET) Approach to Monitor Cardiac Metabolic Pathway Remodeling in Response to Sunitinib Malate. <i>PLoS ONE</i> , 2017, 12, e0169964.	2.5	26
39	Differential effects of gemfibrozil and fenofibrate on reverse cholesterol transport from macrophages to feces in vivo. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 104-110.	2.4	25
40	Silencing of ANGPTL 3 (angiopoietin-like protein 3) in human hepatocytes results in decreased expression of gluconeogenic genes and reduced triacylglycerol-rich VLDL secretion upon insulin stimulation. <i>Bioscience Reports</i> , 2014, 34, e00160.	2.4	24
41	PPAR- α activation promotes phospholipid transfer protein expression. <i>Biochemical Pharmacology</i> , 2015, 94, 101-108.	4.4	23
42	Caspase-2 and p75 neurotrophin receptor (p75NTR) are involved in the regulation of SREBP and lipid genes in hepatocyte cells. <i>Cell Death and Disease</i> , 2019, 10, 537.	6.3	21
43	Mast Cell Activation In Vivo Impairs the Macrophage Reverse Cholesterol Transport Pathway in the Mouse. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 520-527.	2.4	20
44	Matrix metalloproteinase 8 degrades apolipoprotein A α and reduces its cholesterol efflux capacity. <i>FASEB Journal</i> , 2015, 29, 1435-1445.	0.5	18
45	Effects of atorvastatin and diet interventions on atherosclerotic plaque inflammation and [18F]FDG uptake in <i>Ldlr</i> $^{-/-}$ / <i>ApoB</i> mice. <i>Atherosclerosis</i> , 2017, 263, 369-376.	0.8	18
46	Patients with type 1 diabetes show signs of vascular dysfunction in response to multiple high-fat meals. <i>Nutrition and Metabolism</i> , 2014, 11, 28.	3.0	17
47	Chymase released from hypoxia-activated cardiac mast cells cleaves human apoA-I at Tyr192 and compromises its cardioprotective activity. <i>Journal of Lipid Research</i> , 2018, 59, 945-957.	4.2	17
48	High-density lipoprotein-associated 17 β -estradiol fatty acyl ester uptake by Fu5AH hepatoma cells: Implications of the roles of scavenger receptor class B, type I and the low-density lipoprotein receptor. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 1329-1334.	2.4	16
49	Consumption of polyunsaturated fat improves the saturated fatty acid-mediated impairment of HDL antioxidant potential. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1987-1996.	3.3	16
50	USF1 deficiency alleviates inflammation, enhances cholesterol efflux and prevents cholesterol accumulation in macrophages. <i>Lipids in Health and Disease</i> , 2018, 17, 285.	3.0	16
51	Transcription Factor USF1 Is Required for Maintenance of Germline Stem Cells in Male Mice. <i>Endocrinology</i> , 2019, 160, 1119-1136.	2.8	16
52	LCAT facilitates transacylation of 17 beta-estradiol in the presence of HDL3 subfraction. <i>Journal of Lipid Research</i> , 2002, 43, 392-7.	4.2	16
53	Enhanced vascular permeability facilitates entry of plasma HDL and promotes macrophage-reverse cholesterol transport from skin in mice. <i>Journal of Lipid Research</i> , 2015, 56, 241-253.	4.2	14
54	Haptoglobin Hp2 Variant Promotes Premature Cardiovascular Death in Stroke Survivors. <i>Stroke</i> , 2017, 48, 1463-1469.	2.0	14

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55	Dietary cholesterol is essential to mast cell activation and associated obesity and diabetes in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1690-1700.	3.8	14
56	Cholesterol loading suppresses the atheroinflammatory gene polarization of human macrophages induced by colony stimulating factors. <i>Scientific Reports</i> , 2021, 11, 4923.	3.3	14
57	The Orientation and Dynamics of Estradiol and Estradiol Oleate in Lipid Membranes and HDL Disc Models. <i>Biophysical Journal</i> , 2014, 107, 114-125.	0.5	13
58	Altered HDL Remodeling and Functionality in Familial Hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 2018, 71, 466-468.	2.8	13
59	Impaired HDL (High-Density Lipoprotein)-Mediated Macrophage Cholesterol Efflux in Patients With Abdominal Aortic Aneurysmâ€”Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2750-2754.	2.4	13
60	Angiotensin-like protein 3, an emerging cardiometabolic therapy target with systemic and cell-autonomous functions. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158791.	2.4	13
61	TNFÎ± induces endothelial dysfunction in rheumatoid arthritis via LOX-1 and arginase 2: reversal by monoclonal TNFÎ± antibodies. <i>Cardiovascular Research</i> , 2022, 118, 254-266.	3.8	13
62	Impaired HDL2-mediated cholesterol efflux is associated with metabolic syndrome in families with early onset coronary heart disease and low HDL-cholesterol level. <i>PLoS ONE</i> , 2017, 12, e0171993.	2.5	12
63	Salivary biomarkers in association with periodontal parameters and the periodontitis risk haplotype. <i>Innate Immunity</i> , 2018, 24, 439-447.	2.4	11
64	Fasting reveals largely intact systemic lipid mobilization mechanisms in respiratory chain complex III deficient mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165573.	3.8	9
65	Phenol-Enriched Virgin Olive Oil Promotes Macrophage-Specific Reverse Cholesterol Transport In Vivo. <i>Biomedicines</i> , 2020, 8, 266.	3.2	9
66	Short-Term Cooling Increases Plasma ANGPTL3 and ANGPTL8 in Young Healthy Lean Men but Not in Middle-Aged Men with Overweight and Prediabetes. <i>Journal of Clinical Medicine</i> , 2019, 8, 1214.	2.4	7
67	Why and how increased plasma ceramides predict future cardiovascular events?. <i>Atherosclerosis</i> , 2020, 314, 71-73.	0.8	7
68	ANGPTL3 deficiency alters the lipid profile and metabolism of cultured hepatocytes and human lipoproteins. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158679.	2.4	7
69	ANGPTL3 serum concentration and rare genetic variants in Finnish population. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2017, 77, 601-609.	1.2	6
70	Human ApoA-I Overexpression Enhances Macrophage-Specific Reverse Cholesterol Transport but Fails to Prevent Inherited Diabetes in Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 655.	4.1	6
71	LXR-dependent regulation of macrophage-specific reverse cholesterol transport is impaired in a model of genetic diabetes. <i>Translational Research</i> , 2017, 186, 19-35.e5.	5.0	5
72	Evaluation of glucagon-like peptide-1 receptor expression in nondiabetic and diabetic atherosclerotic mice using PET tracer ⁶⁸ Ga-NODAGA-exendin-4. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E989-E998.	3.5	5

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73	Streptococcus pneumoniae pneumolysin and neuraminidase A convert high-density lipoproteins into pro-atherogenic particles. IScience, 2021, 24, 102535.	4.1	5
74	Hematopoietic upstream stimulating factor 1 deficiency is associated with increased atherosclerosis susceptibility in LDL receptor knockout mice. Scientific Reports, 2021, 11, 16419.	3.3	4
75	Menaquinone 4 increases plasma lipid levels in hypercholesterolemic mice. Scientific Reports, 2021, 11, 3014.	3.3	3
76	Three two-site apoA-I immunoassays using phage expressed detector antibodies – Preliminary clinical evaluation with cardiac patients. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113772.	2.8	1
77	The homeoviscous adaptation to dietary lipids (HADL) hypothesis is probably incorrect. American Journal of Clinical Nutrition, 2021, 113, 1711-1712.	4.7	1
78	Abstract 13152: A Novel Link between Energy Expenditure, Plasma Lipid Turnover, and Cardiovascular Health. Circulation, 2014, 130, .	1.6	0
79	Abstract 13133: Silencing of Angiopoietin-like Protein 3 (<i>ANGPTL3</i>) in IHH- Hepatocytes Results in Increased Insulin Sensitivity and Reduced Triglyceride-rich VLDL Secretion. Circulation, 2014, 130, .	1.6	0