

# Tomas Vaisar

## List of Publications by Citations

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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.

64

papers

2,825

citations

26

h-index

53

g-index

68

ext. papers

3,498

ext. citations

9.2

avg, IF

4.87

L-index

#	Paper	IF	Citations
64	Shotgun proteomics implicates protease inhibition and complement activation in the antiinflammatory properties of HDL. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 746-56	15.9	713
63	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , <b>2019</b> , 364,	33.3	300
62	Parallel reaction monitoring (PRM) and selected reaction monitoring (SRM) exhibit comparable linearity, dynamic range and precision for targeted quantitative HDL proteomics. <i>Journal of Proteomics</i> , <b>2015</b> , 113, 388-99	3.9	132
61	Inflammatory remodeling of the HDL proteome impairs cholesterol efflux capacity. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1519-30	6.3	115
60	Multiple-reaction monitoring-mass spectrometric assays can accurately measure the relative protein abundance in complex mixtures. <i>Clinical Chemistry</i> , <b>2012</b> , 58, 777-81	5.5	112
59	Combined statin and niacin therapy remodels the high-density lipoprotein proteome. <i>Circulation</i> , <b>2008</b> , 118, 1259-67	16.7	109
58	Serum amyloid A impairs the antiinflammatory properties of HDL. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 266-81	15.9	88
57	Interactome Screening Identifies the ER Luminal Chaperone Hsp47 as a Regulator of the Unfolded Protein Response Transducer IRE1. <i>Molecular Cell</i> , <b>2018</b> , 69, 238-252.e7	17.6	86
56	MMP-9 sheds the beta2 integrin subunit (CD18) from macrophages. <i>Molecular and Cellular Proteomics</i> , <b>2009</b> , 8, 1044-60	7.6	69
55	Serum amyloid A3 does not contribute to circulating SAA levels. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 1353-62	16.2	64
54	HDL in humans with cardiovascular disease exhibits a proteomic signature. <i>Clinica Chimica Acta</i> , <b>2010</b> , 411, 972-9	6.2	60
53	A macrophage sterol-responsive network linked to atherogenesis. <i>Cell Metabolism</i> , <b>2010</b> , 11, 125-35	24.6	59
52	Quantification of HDL particle concentration by calibrated ion mobility analysis. <i>Clinical Chemistry</i> , <b>2014</b> , 60, 1393-401	5.5	56
51	Proteomics investigations of HDL: challenges and promise. <i>Current Vascular Pharmacology</i> , <b>2012</b> , 10, 410-21	3.3	48
50	Niacin Therapy Increases High-Density Lipoprotein Particles and Total Cholesterol Efflux Capacity But Not ABCA1-Specific Cholesterol Efflux in Statin-Treated Subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 404-11	9.4	45
49	Phospholipid transfer protein in human plasma associates with proteins linked to immunity and inflammation. <i>Biochemistry</i> , <b>2010</b> , 49, 7314-22	3.2	45
48	Patients With Coronary Endothelial Dysfunction Have Impaired Cholesterol Efflux Capacity and Reduced HDL Particle Concentration. <i>Circulation Research</i> , <b>2016</b> , 119, 83-90	15.7	44

47	Apolipoprotein AI Promotes Atherosclerosis Regression in Diabetic Mice by Suppressing Myelopoiesis and Plaque Inflammation. <i>Circulation</i> , <b>2019</b> , 140, 1170-1184	16.7	42
46	Obesity and Insulin Resistance Promote Atherosclerosis through an IFN $\beta$ -Regulated Macrophage Protein Network. <i>Cell Reports</i> , <b>2018</b> , 23, 3021-3030	10.6	41
45	Increased apolipoprotein C3 drives cardiovascular risk in type 1 diabetes. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 4165-4179	15.9	41
44	Remnants of the Triglyceride-Rich Lipoproteins, Diabetes, and Cardiovascular Disease. <i>Diabetes</i> , <b>2020</b> , 69, 508-516	0.9	38
43	Proteomic analysis of HDL from inbred mouse strains implicates APOE associated with HDL in reduced cholesterol efflux capacity via the ABCA1 pathway. <i>Journal of Lipid Research</i> , <b>2016</b> , 57, 246-57	6.3	36
42	Type 2 diabetes is associated with loss of HDL endothelium protective functions. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192616	3.7	36
41	HDL-apolipoprotein A-I exchange is independently associated with cholesterol efflux capacity. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 2002-9	6.3	28
40	Plasminogen promotes cholesterol efflux by the ABCA1 pathway. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	27
39	Kidney function is associated with an altered protein composition of high-density lipoprotein. <i>Kidney International</i> , <b>2017</b> , 92, 1526-1535	9.9	26
38	Testosterone replacement in hypogonadal men alters the HDL proteome but not HDL cholesterol efflux capacity. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 1376-83	6.3	25
37	Deepening our understanding of HDL proteome. <i>Expert Review of Proteomics</i> , <b>2019</b> , 16, 749-760	4.2	22
36	HDL lipids and insulin resistance. <i>Current Diabetes Reports</i> , <b>2010</b> , 10, 78-86	5.6	22
35	Neutrophil elastase selectively kills cancer cells and attenuates tumorigenesis. <i>Cell</i> , <b>2021</b> , 184, 3163-3176	36.2	21
34	Concentration of Smaller High-Density Lipoprotein Particle (HDL-P) Is Inversely Correlated With Carotid Intima Media Thickening After Confounder Adjustment: The Multi Ethnic Study of Atherosclerosis (MESA). <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	21
33	Proteome analysis of mast cell releasates reveals a role for chymase in the regulation of coagulation factor XIIIa levels via proteolytic degradation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 139, 323-334	11.5	20
32	Myeloperoxidase and inflammatory proteins: pathways for generating dysfunctional high-density lipoprotein in humans. <i>Current Atherosclerosis Reports</i> , <b>2007</b> , 9, 417-24	6	20
31	High Concentration of Medium-Sized HDL Particles and Enrichment in HDL Paraoxonase 1 Associate With Protection From Vascular Complications in People With Long-standing Type 1 Diabetes. <i>Diabetes Care</i> , <b>2020</b> , 43, 178-186	14.6	19
30	Thematic review series: proteomics. Proteomic analysis of lipid-protein complexes. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 781-6	6.3	18

29	PLTP activity inversely correlates with CAAD: effects of PON1 enzyme activity and genetic variants on PLTP activity. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1351-62	6.3	13
28	Alteration of HDL Protein Composition with Hemodialysis Initiation. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2018</b> , 13, 1225-1233	6.9	13
27	Urine Complement Proteins and the Risk of Kidney Disease Progression and Mortality in Type 2 Diabetes. <i>Diabetes Care</i> , <b>2018</b> , 41, 2361-2369	14.6	13
26	Naturally occurring variant of mouse apolipoprotein A-I alters the lipid and HDL association properties of the protein. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 951-963	6.3	13
25	Sex steroids mediate discrete effects on HDL cholesterol efflux capacity and particle concentration in healthy men. <i>Journal of Clinical Lipidology</i> , <b>2018</b> , 12, 1072-1082	4.9	12
24	Development of an LC-MS/MS Proposed Candidate Reference Method for the Standardization of Analytical Methods to Measure Lipoprotein(a). <i>Clinical Chemistry</i> , <b>2021</b> , 67, 490-499	5.5	12
23	High-density lipoprotein cholesterol efflux capacity is not associated with atherosclerosis and prevalence of cardiovascular outcome: The CODAM study. <i>Journal of Clinical Lipidology</i> , <b>2020</b> , 14, 122-132.e4	4.9	11
22	Isolating and Quantifying Plasma HDL Proteins by Sequential Density Gradient Ultracentrifugation and Targeted Proteomics. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1410, 105-20	1.4	10
21	Atherosclerosis Regression and Cholesterol Efflux in Hypertriglyceridemic Mice. <i>Circulation Research</i> , <b>2021</b> , 128, 690-705	15.7	10
20	Statin dose reduction with complementary diet therapy: A pilot study of personalized medicine. <i>Molecular Metabolism</i> , <b>2018</b> , 11, 137-144	8.8	9
19	A lysosome-targeted DNA nanodevice selectively targets macrophages to attenuate tumours. <i>Nature Nanotechnology</i> , <b>2021</b> ,	28.7	8
18	Postprandial remodeling of high-density lipoprotein following high saturated fat and high carbohydrate meals. <i>Journal of Clinical Lipidology</i> , <b>2020</b> , 14, 66-76.e11	4.9	8
17	Copper-mediated intra-ligand oxygen transfer in gas-phase complexes with 3-nitrotyrosine. <i>Journal of Mass Spectrometry</i> , <b>2005</b> , 40, 608-14	2.2	7
16	Blocking endothelial lipase with monoclonal antibody MEDI5884 durably increases high density lipoprotein in nonhuman primates and in a phase 1 trial. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	7
15	Presence of serum amyloid A3 in mouse plasma is dependent on the nature and extent of the inflammatory stimulus. <i>Scientific Reports</i> , <b>2020</b> , 10, 10397	4.9	6
14	Parallel Murine and Human Plaque Proteomics Reveals Pathways of Plaque Rupture. <i>Circulation Research</i> , <b>2020</b> , 127, 997-1022	15.7	5
13	Effect of niacin monotherapy on high density lipoprotein composition and function. <i>Lipids in Health and Disease</i> , <b>2020</b> , 19, 190	4.4	3
12	CREBH normalizes dyslipidemia and halts atherosclerosis in diabetes by decreasing circulating remnant lipoproteins. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	3

11	Sexually Dimorphic Relationships Among Saa3 (Serum Amyloid A3), Inflammation, and Cholesterol Metabolism Modulate Atherosclerosis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, e299-e313	9.4	2
10	The Authors Reply. <i>Kidney International</i> , <b>2017</b> , 92, 1556	9.9	1
9	Conformational Flexibility of Apolipoprotein A-I amino- and carboxy-Termini is necessary for Lipid Binding but not Cholesterol Efflux.. <i>Journal of Lipid Research</i> , <b>2022</b> , 100168	6.3	1
8	Short-Term Acyl-CoA:Cholesterol Acyltransferase Inhibition, Combined with Apoprotein A1 Overexpression, Promotes Atherosclerosis Inflammation Resolution in Mice. <i>Molecular Pharmacology</i> , <b>2021</b> , 99, 175-183	4.3	1
7	Hematopoietic Cell-Expressed Endothelial Nitric Oxide Protects the Liver From Insulin Resistance. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 670-681	9.4	1
6	Niacin Increases Atherogenic Proteins in High-Density Lipoprotein of Statin-Treated Subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 2330-2341	9.4	1
5	Perimenopausal transdermal estradiol replacement reduces serum HDL cholesterol efflux capacity but improves cardiovascular risk factors. <i>Journal of Clinical Lipidology</i> , <b>2021</b> , 15, 151-161.e0	4.9	1
4	Apolipoprotein A-I modulates HDL particle size in the absence of apolipoprotein A-II. <i>Journal of Lipid Research</i> , <b>2021</b> , 62, 100099	6.3	1
3	Small HDL, diabetes, and proinflammatory effects in macrophages. <i>FASEB Journal</i> , <b>2019</b> , 33, 238.3	0.9	0
2	Oxidation of Artery Wall Proteins by Myeloperoxidase: A Proteomics Approach <b>2006</b> , 787-811		
1	Cellular Model of Severe Congenital Neutropenia Reveals the Molecular Mechanism of Mutant Elastase-Mediated Agranulocytosis.. <i>Blood</i> , <b>2004</b> , 104, 1453-1453	2.2	