

James D Otvos

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,968
citations

172457

29
h-index

123424

61
g-index

62
all docs

62
docs citations

62
times ranked

5122
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipoprotein Particle Analysis by Nuclear Magnetic Resonance Spectroscopy. <i>Clinics in Laboratory Medicine</i> , 2006, 26, 847-870.	1.4	619
2	Low-Density Lipoprotein and High-Density Lipoprotein Particle Subclasses Predict Coronary Events and Are Favorably Changed by Gemfibrozil Therapy in the Veterans Affairs High-Density Lipoprotein Intervention Trial. <i>Circulation</i> , 2006, 113, 1556-1563.	1.6	522
3	HDL Measures, Particle Heterogeneity, Proposed Nomenclature, and Relation to Atherosclerotic Cardiovascular Events. <i>Clinical Chemistry</i> , 2011, 57, 392-410.	3.2	417
4	LDL particle subclasses, LDL particle size, and carotid atherosclerosis in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2007, 192, 211-217.	0.8	322
5	Clinical implications of discordance between low-density lipoprotein cholesterol and particle number. <i>Journal of Clinical Lipidology</i> , 2011, 5, 105-113.	1.5	311
6	GlycA: A Composite Nuclear Magnetic Resonance Biomarker of Systemic Inflammation. <i>Clinical Chemistry</i> , 2015, 61, 714-723.	3.2	286
7	A New Equation for Calculation of Low-Density Lipoprotein Cholesterol in Patients With Normolipidemia and/or Hypertriglyceridemia. <i>JAMA Cardiology</i> , 2020, 5, 540.	6.1	259
8	Nuclear Magnetic Resonance Lipoprotein Abnormalities in Prediabetic Subjects in the Insulin Resistance Atherosclerosis Study. <i>Circulation</i> , 2005, 111, 3465-3472.	1.6	222
9	Lipids and Lipoproteins and Risk of Different Vascular Events in the MRC/BHF Heart Protection Study. <i>Circulation</i> , 2012, 125, 2469-2478.	1.6	185
10	GlycA, a novel biomarker of systemic inflammation and cardiovascular disease risk. <i>Journal of Translational Medicine</i> , 2017, 15, 219.	4.4	163
11	Lipoprotein Insulin Resistance Index: A Lipoprotein Particle-Derived Measure of Insulin Resistance. <i>Metabolic Syndrome and Related Disorders</i> , 2014, 12, 422-429.	1.3	124
12	Comparison of the Predictive Value of GlycA and Other Biomarkers of Inflammation for Total Death, Incident Cardiovascular Events, Noncardiovascular and Noncancer Inflammatory-Related Events, and Total Cancer Events. <i>Clinical Chemistry</i> , 2016, 62, 1020-1031.	3.2	100
13	TMAO is Associated with Mortality: Impact of Modestly Impaired Renal Function. <i>Scientific Reports</i> , 2017, 7, 13781.	3.3	96
14	GlycA, a marker of acute phase glycoproteins, and the risk of incident type 2 diabetes mellitus: PREVENT study. <i>Clinica Chimica Acta</i> , 2016, 452, 10-17.	1.1	80
15	GlycA, a Pro-Inflammatory Glycoprotein Biomarker, and Incident Cardiovascular Disease: Relationship with C-Reactive Protein and Renal Function. <i>PLoS ONE</i> , 2015, 10, e0139057.	2.5	76
16	A novel NMR-based assay to measure circulating concentrations of branched-chain amino acids: Elevation in subjects with type 2 diabetes mellitus and association with carotid intima media thickness. <i>Clinical Biochemistry</i> , 2018, 54, 92-99.	1.9	71
17	Inflammatory glycoproteins in cardiometabolic disorders, autoimmune diseases and cancer. <i>Clinica Chimica Acta</i> , 2016, 459, 177-186.	1.1	66
18	Plasma Branched-Chain Amino Acids and Risk of Incident Type 2 Diabetes: Results from the PREVENT Prospective Cohort Study. <i>Journal of Clinical Medicine</i> , 2018, 7, 513.	2.4	60

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19	Utility of a novel inflammatory marker, GlycA, for assessment of rheumatoid arthritis disease activity and coronary atherosclerosis. <i>Arthritis Research and Therapy</i> , 2015, 17, 117.	3.5	59
20	Longitudinal Evaluation of Lipoprotein Variables in Systemic Lupus Erythematosus Reveals Adverse Changes with Disease Activity and Prednisone and More Favorable Profiles with Hydroxychloroquine Therapy. <i>Journal of Rheumatology</i> , 2016, 43, 745-750.	2.0	53
21	Concentration of Branched-Chain Amino Acids Is a Strong Risk Marker for Incident Hypertension. <i>Hypertension</i> , 2019, 74, 1428-1435.	2.7	46
22	GlycA, a biomarker of inflammatory glycoproteins, is more closely related to the leptin/adiponectin ratio than to glucose tolerance status. <i>Clinical Biochemistry</i> , 2015, 48, 811-814.	1.9	42
23	Lipid profile and effect of statin treatment in pooled phase II and phase III baricitinib studies. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 988-995.	0.9	41
24	Relations of GlycA and lipoprotein particle subspecies with cardiovascular events and mortality: A post hoc analysis of the AIM-HIGH trial. <i>Journal of Clinical Lipidology</i> , 2018, 12, 348-355.e2.	1.5	41
25	Ketone Bodies Are Mildly Elevated in Subjects with Type 2 Diabetes Mellitus and Are Inversely Associated with Insulin Resistance as Measured by the Lipoprotein Insulin Resistance Index. <i>Journal of Clinical Medicine</i> , 2020, 9, 321.	2.4	40
26	A novel inflammatory biomarker, GlycA, associates with disease activity in rheumatoid arthritis and cardio-metabolic risk in BMI-matched controls. <i>Arthritis Research and Therapy</i> , 2016, 18, 86.	3.5	39
27	High-density lipoprotein and inflammation in cardiovascular disease. <i>Translational Research</i> , 2016, 173, 7-18.	5.0	35
28	NMR quantification of trimethylamine- N -oxide in human serum and plasma in the clinical laboratory setting. <i>Clinical Biochemistry</i> , 2017, 50, 947-955.	1.9	34
29	Comparability of Lipoprotein Particle Number Concentrations Across ES-DMA, NMR, LC-MS/MS, Immunonephelometry, and VAP: In Search of a Candidate Reference Measurement Procedure for apoB and non-HDL-P Standardization. <i>Clinical Chemistry</i> , 2018, 64, 1485-1495.	3.2	31
30	Association of N-Linked Glycoprotein Acetyls and Colorectal Cancer Incidence and Mortality. <i>PLoS ONE</i> , 2016, 11, e0165615.	2.5	31
31	A novel protein glycan biomarker and LCAT activity in metabolic syndrome. <i>European Journal of Clinical Investigation</i> , 2015, 45, 850-859.	3.4	30
32	Association Between Smoking and Serum GlycA and High-Sensitivity C-Reactive Protein Levels: The Multi-Ethnic Study of Atherosclerosis (MESA) and Brazilian Longitudinal Study of Adult Health (ELSA-Brazil). <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	27
33	High Betaine, a Trimethylamine N-Oxide Related Metabolite, Is Prospectively Associated with Low Future Risk of Type 2 Diabetes Mellitus in the PREVENTD Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 1813.	2.4	27
34	GlycA, a novel inflammatory marker, is associated with subclinical coronary disease. <i>Aids</i> , 2019, 33, 547-557.	2.2	27
35	The extended lipid panel assay: a clinically-deployed high-throughput nuclear magnetic resonance method for the simultaneous measurement of lipids and Apolipoprotein B. <i>Lipids in Health and Disease</i> , 2020, 19, 247.	3.0	27
36	GlycA and hsCRP are independent and additive predictors of future cardiovascular events among patients undergoing angiography: The intermountain heart collaborative study. <i>American Heart Journal</i> , 2018, 202, 27-32.	2.7	26

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37	Calorie restriction improves lipid-related emerging cardiometabolic risk factors in healthy adults without obesity: Distinct influences of BMI and sex from CALERIE, a multicentre, phase 2, randomised controlled trial. <i>EClinicalMedicine</i> , 2022, 43, 101261.	7.1	26
38	Differences in GlycA and lipoprotein particle parameters may help distinguish acute kawasaki disease from other febrile illnesses in children. <i>BMC Pediatrics</i> , 2016, 16, 151.	1.7	25
39	Associations of ideal cardiovascular health with GlycA, a novel inflammatory marker: The Multi-Ethnic Study of Atherosclerosis. <i>Clinical Cardiology</i> , 2018, 41, 1439-1445.	1.8	23
40	The novel inflammatory marker GlycA and the prevalence and progression of valvular and thoracic aortic calcification: The Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2019, 282, 91-99.	0.8	23
41	The NIH Lipo-COVID Study: A Pilot NMR Investigation of Lipoprotein Subfractions and Other Metabolites in Patients with Severe COVID-19. <i>Biomedicines</i> , 2021, 9, 1090.	3.2	22
42	Increase in the Inflammatory Marker GlycA over 13 Years in Young Adults Is Associated with Poorer Cognitive Function in Midlife. <i>PLoS ONE</i> , 2015, 10, e0138036.	2.5	21
43	A Newly Developed Diabetes Risk Index, Based on Lipoprotein Subfractions and Branched Chain Amino Acids, is Associated with Incident Type 2 Diabetes Mellitus in the PREVEND Cohort. <i>Journal of Clinical Medicine</i> , 2020, 9, 2781.	2.4	21
44	GlycA, a novel proinflammatory glycoprotein biomarker, and high-sensitivity C-reactive protein are inversely associated with sodium intake after controlling for adiposity: the Prevention of Renal and Vascular End-Stage Disease study. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 415-422.	4.7	17
45	GlycA, a Novel Inflammatory Marker and Its Association With Peripheral Arterial Disease and Carotid Plaque: The Multi-Ethnic Study of Atherosclerosis. <i>Angiology</i> , 2019, 70, 737-746.	1.8	17
46	The surprising AIM-HIGH results are not surprising when viewed through a particle lens. <i>Journal of Clinical Lipidology</i> , 2011, 5, 368-370.	1.5	16
47	Lower Plasma Magnesium, Measured by Nuclear Magnetic Resonance Spectroscopy, is Associated with Increased Risk of Developing Type 2 Diabetes Mellitus in Women: Results from a Dutch Prospective Cohort Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 169.	2.4	16
48	Association of the Novel Inflammatory Marker GlycA and Incident Heart Failure and Its Subtypes of Preserved and Reduced Ejection Fraction. <i>Circulation: Heart Failure</i> , 2020, 13, e007067.	3.9	16
49	Does a lack of physical activity explain the rheumatoid arthritis lipid profile?. <i>Lipids in Health and Disease</i> , 2017, 16, 39.	3.0	15
50	Effect of olezarsen targeting APOC-III on lipoprotein size and particle number measured by NMR in patients with hypertriglyceridemia. <i>Journal of Clinical Lipidology</i> , 2022, 16, 617-625.	1.5	15
51	Effects of Amount, Intensity, and Mode of Exercise Training on Insulin Resistance and Type 2 Diabetes Risk in the STRRIDE Randomized Trials. <i>Frontiers in Physiology</i> , 2021, 12, 626142.	2.8	11
52	A Pathophysiologic Approach Combining Genetics and Insulin Resistance to Predict the Severity of Nonalcoholic Fatty Liver Disease. <i>Hepatology Communications</i> , 2018, 2, 1467-1478.	4.3	9
53	High-throughput nuclear magnetic resonance measurement of citrate in serum and plasma in the clinical laboratory. <i>Practical Laboratory Medicine</i> , 2021, 25, e00213.	1.3	9
54	High Plasma Branched-Chain Amino Acids Are Associated with Higher Risk of Post-Transplant Diabetes Mellitus in Renal Transplant Recipients. <i>Journal of Clinical Medicine</i> , 2020, 9, 511.	2.4	6

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55	A new phenotypic classification system for dyslipidemias based on the standard lipid panel. <i>Lipids in Health and Disease</i> , 2021, 20, 170.	3.0	6
56	Nuclear Magnetic Resonance Derived Biomarkers for Evaluating Cardiometabolic Risk in Youth and Young Adults Across the Spectrum of Glucose Tolerance. <i>Frontiers in Endocrinology</i> , 2021, 12, 665292.	3.5	5
57	Effects of hepato-preferential basal insulin peglispro on nuclear magnetic resonance biomarkers lipoprotein insulin resistance index and GlycA in patients with diabetes. <i>Biomarkers in Medicine</i> , 2017, 11, 991-1001.	1.4	3
58	The association of novel inflammatory marker GlycA and incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>PLoS ONE</i> , 2021, 16, e0248644.	2.5	3
59	Abstract 14731: Glyc A, a Novel Marker of Inflammation, Predicts Cardiovascular Events in HIV-Positive Patients: Results of SMART Study. <i>Circulation</i> , 2014, 130, .	1.6	2
60	GlycA is associated with neuropsychological impairment in men with HIV. <i>Aids</i> , 2022, 36, 156-159.	2.2	0