

Liam R Brunham

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.

86
papers

4,032
citations

34
h-index

63
g-index

99
ext. papers

4,944
ext. citations

7.9
avg, IF

5.57
L-index

#	Paper	IF	Citations
86	Intestinal ABCA1 directly contributes to HDL biogenesis in vivo. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1052-62	15.9	389
85	Beta-cell ABCA1 influences insulin secretion, glucose homeostasis and response to thiazolidinedione treatment. <i>Nature Medicine</i> , 2007 , 13, 340-7	50.5	315
84	Efflux and atherosclerosis: the clinical and biochemical impact of variations in the ABCA1 gene. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 1322-32	9.4	212
83	Targeted inactivation of hepatic Abca1 causes profound hypoalphalipoproteinemia and kidney hypercatabolism of apoA-I. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1333-42	15.9	190
82	A coding variant in RARG confers susceptibility to anthracycline-induced cardiotoxicity in childhood cancer. <i>Nature Genetics</i> , 2015 , 47, 1079-84	36.3	155
81	Optimizing Cholesterol Treatment in Patients With Muscle Complaints. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1290-1301	15.1	133
80	Variations on a gene: rare and common variants in ABCA1 and their impact on HDL cholesterol levels and atherosclerosis. <i>Annual Review of Nutrition</i> , 2006 , 26, 105-29	9.9	127
79	Accurate prediction of the functional significance of single nucleotide polymorphisms and mutations in the ABCA1 gene. <i>PLoS Genetics</i> , 2005 , 1, e83	6	107
78	Specific loss of brain ABCA1 increases brain cholesterol uptake and influences neuronal structure and function. <i>Journal of Neuroscience</i> , 2009 , 29, 3579-89	6.6	105
77	Cholesterol in islet dysfunction and type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2008 , 118, 403-8	15.9	105
76	Carriers of loss-of-function mutations in ABCA1 display pancreatic beta-cell dysfunction. <i>Diabetes Care</i> , 2010 , 33, 869-74	14.6	98
75	HDL and LDL cholesterol significantly influence beta-cell function in type 2 diabetes mellitus. <i>Current Opinion in Lipidology</i> , 2010 , 21, 178-85	4.4	98
74	Tissue-specific induction of intestinal ABCA1 expression with a liver X receptor agonist raises plasma HDL cholesterol levels. <i>Circulation Research</i> , 2006 , 99, 672-4	15.7	98
73	Modeling Doxorubicin-Induced Cardiotoxicity in Human Pluripotent Stem Cell Derived-Cardiomyocytes. <i>Scientific Reports</i> , 2016 , 6, 25333	4.9	90
72	Specific mutations in ABCA1 have discrete effects on ABCA1 function and lipid phenotypes both in vivo and in vitro. <i>Circulation Research</i> , 2006 , 99, 389-97	15.7	88
71	Loss of both ABCA1 and ABCG1 results in increased disturbances in islet sterol homeostasis, inflammation, and impaired β cell function. <i>Diabetes</i> , 2012 , 61, 659-64	0.9	85
70	Tissue-specific roles of ABCA1 influence susceptibility to atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 548-54	9.4	85

69	Reducing the Clinical and Public Health Burden of Familial Hypercholesterolemia: A Global Call to Action. <i>JAMA Cardiology</i> , 2020 , 5, 217-229	16.2	85
68	Islet cholesterol accumulation due to loss of ABCA1 leads to impaired exocytosis of insulin granules. <i>Diabetes</i> , 2011 , 60, 3186-96	0.9	76
67	Alterations of plasma lipids in mice via adenoviral-mediated hepatic overexpression of human ABCA1. <i>Journal of Lipid Research</i> , 2003 , 44, 1470-80	6.3	74
66	Association of Monogenic vs Polygenic Hypercholesterolemia With Risk of Atherosclerotic Cardiovascular Disease. <i>JAMA Cardiology</i> , 2020 , 5, 390-399	16.2	71
65	Both hepatic and extrahepatic ABCA1 have discrete and essential functions in the maintenance of plasma high-density lipoprotein cholesterol levels in vivo. <i>Circulation</i> , 2006 , 114, 1301-9	16.7	70
64	Decreased high-density lipoprotein cholesterol level is an early prognostic marker for organ dysfunction and death in patients with suspected sepsis. <i>Journal of Critical Care</i> , 2017 , 38, 289-294	4	68
63	Risk of Premature Atherosclerotic Disease in Patients With Monogenic Versus Polygenic Familial Hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 512-522	15.1	67
62	Medicine. Whole-genome sequencing: the new standard of care?. <i>Science</i> , 2012 , 336, 1112-3	33.3	58
61	Canadian Cardiovascular Society Position Statement on Familial Hypercholesterolemia: Update 2018. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1553-1563	3.8	58
60	Regulated cell death pathways in doxorubicin-induced cardiotoxicity. <i>Cell Death and Disease</i> , 2021 , 12, 339	9.8	56
59	The Canadian Pharmacogenomics Network for Drug Safety: a model for safety pharmacology. <i>Thyroid</i> , 2010 , 20, 681-7	6.2	49
58	Cholesterol in beta-cell dysfunction: the emerging connection between HDL cholesterol and type 2 diabetes. <i>Current Diabetes Reports</i> , 2010 , 10, 55-60	5.6	46
57	Prevalence and characteristics of adverse drug reactions at admission to hospital: a prospective observational study. <i>British Journal of Clinical Pharmacology</i> , 2016 , 82, 1636-1646	3.8	44
56	Cholesteryl Ester Transfer Protein Influences High-Density Lipoprotein Levels and Survival in Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 854-862	10.2	44
55	Causal Inference for Genetically Determined Levels of High-Density Lipoprotein Cholesterol and Risk of Infectious Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 267-278	9.4	37
54	Simplified Canadian Definition for Familial Hypercholesterolemia. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1210-1214	3.8	36
53	Human genetics of HDL: Insight into particle metabolism and function. <i>Progress in Lipid Research</i> , 2015 , 58, 14-25	14.3	35
52	Imputation of Baseline LDL Cholesterol Concentration in Patients with Familial Hypercholesterolemia on Statins or Ezetimibe. <i>Clinical Chemistry</i> , 2018 , 64, 355-362	5.5	32

51	Ibrutinib Displays Atrial-Specific Toxicity in Human Stem Cell-Derived Cardiomyocytes. <i>Stem Cell Reports</i> , 2019 , 12, 996-1006	8	30
50	Premature Atherosclerotic Cardiovascular Disease: Trends in Incidence, Risk Factors, and Sex-Related Differences, 2000 to 2016. <i>Journal of the American Heart Association</i> , 2019 , 8, e012178	6	30
49	Hunting human disease genes: lessons from the past, challenges for the future. <i>Human Genetics</i> , 2013 , 132, 603-17	6.3	30
48	Association Between SLC16A5 Genetic Variation and Cisplatin-Induced Ototoxic Effects in Adult Patients With Testicular Cancer. <i>JAMA Oncology</i> , 2017 , 3, 1558-1562	13.4	29
47	Role of genetics in the prediction of statin-associated muscle symptoms and optimization of statin use and adherence. <i>Cardiovascular Research</i> , 2018 , 114, 1073-1081	9.9	29
46	Association and clinical utility of NAT2 in the prediction of isoniazid-induced liver injury in Singaporean patients. <i>PLoS ONE</i> , 2017 , 12, e0186200	3.7	26
45	Targeted next-generation sequencing to diagnose disorders of HDL cholesterol. <i>Journal of Lipid Research</i> , 2015 , 56, 1993-2001	6.3	24
44	Ascertainment Bias in the Association Between Elevated Lipoprotein(a) and Familial Hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 2682-2693	15.1	24
43	Chromosome 1q21.2 and additional loci influence risk of spontaneous coronary artery dissection and myocardial infarction. <i>Nature Communications</i> , 2020 , 11, 4432	17.4	22
42	Progress in understanding the genomic basis for adverse drug reactions: a comprehensive review and focus on the role of ethnicity. <i>Pharmacogenomics</i> , 2015 , 16, 1161-78	2.6	20
41	Estimating the Prevalence of Familial Hypercholesterolemia in Acute Coronary Syndrome: A Systematic Review and Meta-analysis. <i>Canadian Journal of Cardiology</i> , 2019 , 35, 1322-1331	3.8	20
40	Inhibition of Cholesteryl Ester Transfer Protein Preserves High-Density Lipoprotein Cholesterol and Improves Survival in Sepsis. <i>Circulation</i> , 2021 , 143, 921-934	16.7	20
39	CETP genetic variant rs1800777 (allele A) is associated with abnormally low HDL-C levels and increased risk of AKI during sepsis. <i>Scientific Reports</i> , 2018 , 8, 16764	4.9	18
38	Contemporary Trends in the Management and Outcomes of Patients With Familial Hypercholesterolemia in Canada: A Prospective Observational Study. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 385-392	3.8	17
37	Variation in RARG increases susceptibility to doxorubicin-induced cardiotoxicity in patient specific induced pluripotent stem cell-derived cardiomyocytes. <i>Scientific Reports</i> , 2020 , 10, 10363	4.9	16
36	Attainment of Recommended Lipid Targets in Patients With Familial Hypercholesterolemia: Real-World Experience With PCSK9 Inhibitors. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1004-1009	3.8	16
35	Increased prevalence of clinical and subclinical atherosclerosis in patients with damaging mutations in ABCA1 or APOA1. <i>Journal of Clinical Lipidology</i> , 2018 , 12, 116-121	4.9	16
34	Genetic diversity of variants involved in drug response and metabolism in Sri Lankan populations: implications for clinical implementation of pharmacogenomics. <i>Pharmacogenetics and Genomics</i> , 2016 , 26, 28-39	1.9	14

33	Global perspective of familial hypercholesterolaemia: a cross-sectional study from the EAS Familial Hypercholesterolaemia Studies Collaboration (FHSC). <i>Lancet, The</i> , 2021 , 398, 1713-1725	4.0	14
32	Polygenic Contribution to Low-Density Lipoprotein Cholesterol Levels and Cardiovascular Risk in Monogenic Familial Hypercholesterolemia. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, 515-523 ^{5.2}	5.2	13
31	Molecular regulation of plasma lipid levels during systemic inflammation and sepsis. <i>Current Opinion in Lipidology</i> , 2019 , 30, 108-116	4.4	13
30	Pharmacogenomics in Asia: a systematic review on current trends and novel discoveries. <i>Pharmacogenomics</i> , 2017 , 18, 891-910	2.6	12
29	CRISPR/Cas9-mediated genome editing in human stem cell-derived cardiomyocytes: Applications for cardiovascular disease modelling and cardiotoxicity screening. <i>Drug Discovery Today: Technologies</i> , 2018 , 28, 13-21	7.1	12
28	Familial hypercholesterolemia in Canada: Initial results from the FH Canada national registry. <i>Atherosclerosis</i> , 2018 , 277, 419-424	3.1	10
27	Diagnostic accuracy of ultrasound and MRI for Achilles tendon xanthoma in people with familial hypercholesterolemia: A systematic review. <i>Journal of Clinical Lipidology</i> , 2019 , 13, 40-48	4.9	9
26	The design and rationale of SAVE BC: The Study to Avoid CardioVascular Events in British Columbia. <i>Clinical Cardiology</i> , 2018 , 41, 888-895	3.3	8
25	HDL as a Causal Factor in Atherosclerosis: Insights from Human Genetics. <i>Current Atherosclerosis Reports</i> , 2016 , 18, 71	6	7
24	The Clinical Genome Resource (ClinGen) Familial Hypercholesterolemia Variant Curation Expert Panel consensus guidelines for LDLR variant classification.. <i>Genetics in Medicine</i> , 2021 ,	8.1	6
23	Familial Hypercholesterolemia-Risk-Score: A New Score Predicting Cardiovascular Events and Cardiovascular Mortality in Familial Hypercholesterolemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2632-2640	9.4	6
22	Economic burden of adverse drug reactions and potential for pharmacogenomic testing in Singaporean adults. <i>Pharmacogenomics Journal</i> , 2019 , 19, 401-410	3.5	5
21	Polygenic scores for dyslipidemia: the emerging genomic model of plasma lipoprotein trait inheritance. <i>Current Opinion in Lipidology</i> , 2021 , 32, 103-111	4.4	3
20	The Interplay Between Titin, Polygenic Risk, and Modifiable Cardiovascular Risk Factors in Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 848-856	3.8	3
19	Comment on Rickels et al. Loss-of-Function Mutations in ABCA1 and Enhanced ECell Secretory Capacity in Young Adults. <i>Diabetes</i> 2015;64:193-199. <i>Diabetes</i> , 2015 , 64, e25-6; discussion e27	0.9	2
18	Time course and clinical characterization of cisplatin-induced ototoxicity after treatment for nasopharyngeal carcinoma in a South East Asian population. <i>Head and Neck</i> , 2018 , 40, 1425-1433	4.2	2
17	Use of Human Pluripotent Stem Cell Derived-Cardiomyocytes to Study Drug-Induced Cardiotoxicity. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2017 , 73, 22.5.1-22.5.22 ²	22.5.1-22.5.22 ²	
16	Personalized Medicine: Temper Expectations--Response. <i>Science</i> , 2012 , 337, 911-911	33.3	2

15	Polygenic architecture and cardiovascular risk of familial combined hyperlipidemia.. <i>Atherosclerosis</i> , 2022 , 340, 35-43	3.1	2
14	Patient Perspectives Regarding Genetic Testing for Familial Hypercholesterolemia. <i>CJC Open</i> , 2021 , 3, 557-564	2	2
13	Priorities for Services in Young Patients With Atherosclerotic Cardiovascular Disease and Their Family Members: An Exploratory Mixed-Methods Study. <i>CJC Open</i> , 2019 , 1, 107-114	2	1
12	Influence of the LDL-receptor genotype on statin response in heterozygous familial hypercholesterolemia: insights from the Canadian FH Registry. <i>Canadian Journal of Cardiology</i> , 2021 ,	3.8	1
11	Lipid-lowering therapy for primary prevention of premature atherosclerotic coronary artery disease: Eligibility, utilization, target achievement, and predictors of initiation. <i>American Journal of Preventive Cardiology</i> , 2020 , 2, 100036	1.9	1
10	Sex Differences in the Presentation, Treatment, and Outcome of Patients With Familial Hypercholesterolemia. <i>Journal of the American Heart Association</i> , 2021 , 10, e019286	6	1
9	HDL and pancreatic βcells: a SMO-king gun?. <i>Journal of Lipid Research</i> , 2020 , 61, 468-469	6.3	1
8	Familial Hypercholesterolemia, Familial Combined Hyperlipidemia, and Elevated Lipoprotein(a) in Patients With Premature Coronary Artery Disease. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 1733-1742	3.8	1
7	The effects of cholesterol accumulation on Achilles tendon biomechanics: A cross-sectional study. <i>PLoS ONE</i> , 2021 , 16, e0257269	3.7	1
6	Response by Brunham et al to Letter Regarding Article, "Inhibition of Cholesteryl Ester Transfer Protein Preserves High-Density Lipoprotein Cholesterol and Improves Survival in Sepsis". <i>Circulation</i> , 2021 , 144, e122	16.7	0
5	Discoveries in sphingolipid metabolism, spinocerebellar ataxia and autoimmune disease. <i>Clinical Genetics</i> , 2003 , 64, 1-3	4	
4	Clarity is essential when using nucleotide number systems. <i>Atherosclerosis</i> , 2003 , 170, 349	3.1	
3	The design and rationale of the Advancing Cardiac Care Unit-based Rapid Assessment and Treatment of hypercholesterolemia (ACCURATE) study. <i>American Heart Journal Plus</i> , 2022 , 13, 100097		
2	Genetic Confirmation of Monogenic Familial Hypercholesterolemia Advises a More Intensive Lipid-Lowering Approach-Reply. <i>JAMA Cardiology</i> , 2020 , 5, 1453	16.2	
1	Predicting Anthracycline-induced Cardiotoxicity in Children [Genome-Wide Association Study]. <i>FASEB Journal</i> , 2013 , 27, 663.3	0.9	