

# Brian J Bennett

## 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.

78  
papers

8,989  
citations

38  
h-index

91  
g-index

91  
ext. papers

10,696  
ext. citations

7.5  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
78	Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. <i>Nature</i> , <b>2011</b> , 472, 57-63	50.4	3217
77	Trimethylamine-N-oxide, a metabolite associated with atherosclerosis, exhibits complex genetic and dietary regulation. <i>Cell Metabolism</i> , <b>2013</b> , 17, 49-60	24.6	602
76	Ambient particulate pollutants in the ultrafine range promote early atherosclerosis and systemic oxidative stress. <i>Circulation Research</i> , <b>2008</b> , 102, 589-96	15.7	484
75	Comparative analysis of proteome and transcriptome variation in mouse. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1001303		417
74	Genetic control of obesity and gut microbiota composition in response to high-fat, high-sucrose diet in mice. <i>Cell Metabolism</i> , <b>2013</b> , 17, 141-52	24.6	383
73	Transmission of atherosclerosis susceptibility with gut microbial transplantation. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 5647-60	5.4	294
72	A high-resolution association mapping panel for the dissection of complex traits in mice. <i>Genome Research</i> , <b>2010</b> , 20, 281-90	9.7	246
71	Osteoprotegerin inactivation accelerates advanced atherosclerotic lesion progression and calcification in older ApoE <sup>-/-</sup> mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 2117-24	9.4	238
70	Flavin containing monooxygenase 3 exerts broad effects on glucose and lipid metabolism and atherosclerosis. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 22-37	6.3	209
69	Inhibition of bone morphogenetic proteins protects against atherosclerosis and vascular calcification. <i>Circulation Research</i> , <b>2010</b> , 107, 485-94	15.7	197
68	Effect of egg ingestion on trimethylamine-N-oxide production in humans: a randomized, controlled, dose-response study. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 100, 778-86	7	165
67	Calcification of advanced atherosclerotic lesions in the innominate arteries of ApoE-deficient mice: potential role of chondrocyte-like cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 1420-5	9.4	133
66	Simvastatin promotes atherosclerotic plaque stability in apoE-deficient mice independently of lipid lowering. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 1832-7	9.4	125
65	Hybrid mouse diversity panel: a panel of inbred mouse strains suitable for analysis of complex genetic traits. <i>Mammalian Genome</i> , <b>2012</b> , 23, 680-92	3.2	101
64	Unraveling inflammatory responses using systems genetics and gene-environment interactions in macrophages. <i>Cell</i> , <b>2012</b> , 151, 658-70	56.2	96
63	Mouse genome-wide association and systems genetics identify <i>Asxl2</i> as a regulator of bone mineral density and osteoclastogenesis. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002038	6	95
62	Comparative genome-wide association studies in mice and humans for trimethylamine N-oxide, a proatherogenic metabolite of choline and L-carnitine. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1307-13	9.4	94

61	Microbiota-Dependent Metabolite Trimethylamine N-Oxide and Coronary Artery Calcium in the Coronary Artery Risk Development in Young Adults Study (CARDIA). <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	92
60	The Hybrid Mouse Diversity Panel: a resource for systems genetics analyses of metabolic and cardiovascular traits. <i>Journal of Lipid Research</i> , <b>2016</b> , 57, 925-42	6.3	86
59	Genetic Architecture of Atherosclerosis in Mice: A Systems Genetics Analysis of Common Inbred Strains. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005711	6	83
58	Expanding role of gut microbiota in lipid metabolism. <i>Current Opinion in Lipidology</i> , <b>2016</b> , 27, 141-7	4.4	81
57	Genetic Background Heavily Impacts Effects of Diet on Obesity in a Collaborative Cross Population. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 1282-1282	0.4	78
56	Sexual Dimorphism of Atherosclerosis by Gut Microbiome in a Hyperlipidemic Diversity Outbred F1 Mouse Population. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 1569-1569	0.4	78
55	The Association of Plasma Choline With Growth and Development Among Young Malawian Children Enrolled in an Egg Intervention Trial. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 627-627	0.4	78
54	Assessment of FMO3 SNPs in Relation to TMAO in Generally Healthy United States Adults. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 940-940	0.4	78
53	A Mediterranean-style Eating Pattern Lower in Lean Red Meat Reduced Plasma Trimethylamine N-Oxide in Adults Classified as Overweight or Obese (P08-030-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
52	A Randomized Controlled-feeding Trial Based on the Dietary Guidelines for Americans Does Not Affect Plasma Trimethylamine N-oxide Levels in Women (P08-031-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
51	Granulocyte macrophage colony-stimulating factor regulates dendritic cell content of atherosclerotic lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 621-7	9.4	72
50	Epigenome-wide association of liver methylation patterns and complex metabolic traits in mice. <i>Cell Metabolism</i> , <b>2015</b> , 21, 905-17	24.6	68
49	Nutrigenomics, the Microbiome, and Gene-Environment Interactions: New Directions in Cardiovascular Disease Research, Prevention, and Treatment: A Scientific Statement From the American Heart Association. <i>Circulation: Cardiovascular Genetics</i> , <b>2016</b> , 9, 291-313		66
48	Gene networks associated with conditional fear in mice identified using a systems genetics approach. <i>BMC Systems Biology</i> , <b>2011</b> , 5, 43	3.5	64
47	Myeloid -Deficient Murine Model Revealed Macrophage Activation and Metabolic Phenotype Are Fueled by GLUT1. <i>Journal of Immunology</i> , <b>2019</b> , 202, 1265-1286	5.3	55
46	Responsiveness of cardiometabolic-related microbiota to diet is influenced by host genetics. <i>Mammalian Genome</i> , <b>2014</b> , 25, 583-99	3.2	48
45	Chronic inhibition of cyclooxygenase-2 does not alter plaque composition in a mouse model of advanced unstable atherosclerosis. <i>Cardiovascular Research</i> , <b>2003</b> , 60, 198-204	9.9	48
44	Adropin: An endocrine link between the biological clock and cholesterol homeostasis. <i>Molecular Metabolism</i> , <b>2018</b> , 8, 51-64	8.8	44

43	Genetic regulation of mouse liver metabolite levels. <i>Molecular Systems Biology</i> , <b>2014</b> , 10, 730	12.2	43
42	Zbtb16 has a role in brown adipocyte bioenergetics. <i>Nutrition and Diabetes</i> , <b>2012</b> , 2, e46	4.7	41
41	Systems genetic analysis of osteoblast-lineage cells. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1003150	6	40
40	High-resolution genetic mapping in the diversity outbred mouse population identifies Apobec1 as a candidate gene for atherosclerosis. <i>G3: Genes, Genomes, Genetics</i> , <b>2014</b> , 4, 2353-63	3.2	34
39	Does Exercise Alter Gut Microbial Composition? A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 160-167	1.2	33
38	Genome-wide association mapping of blood cell traits in mice. <i>Mammalian Genome</i> , <b>2013</b> , 24, 105-18	3.2	32
37	Nutrition and the science of disease prevention: a systems approach to support metabolic health. <i>Annals of the New York Academy of Sciences</i> , <b>2015</b> , 1352, 1-12	6.5	31
36	Progression and disruption of advanced atherosclerotic plaques in murine models. <i>Current Drug Targets</i> , <b>2008</b> , 9, 210-6	3	30
35	The Genetic Architecture of Coronary Artery Disease: Current Knowledge and Future Opportunities. <i>Current Atherosclerosis Reports</i> , <b>2017</b> , 19, 6	6	29
34	Improving Metabolic Health Through Precision Dietetics in Mice. <i>Genetics</i> , <b>2018</b> , 208, 399-417	4	27
33	Diet and Gut Microbial Function in Metabolic and Cardiovascular Disease Risk. <i>Current Diabetes Reports</i> , <b>2016</b> , 16, 93	5.6	23
32	Choline metabolites: gene by diet interactions. <i>Current Opinion in Lipidology</i> , <b>2016</b> , 27, 33-9	4.4	19
31	Maximal information component analysis: a novel non-linear network analysis method. <i>Frontiers in Genetics</i> , <b>2013</b> , 4, 28	4.5	19
30	High-fat diet-induced colonocyte dysfunction escalates microbiota-derived trimethylamine -oxide. <i>Science</i> , <b>2021</b> , 373, 813-818	33.3	19
29	The Genetic Landscape of Hematopoietic Stem Cell Frequency in Mice. <i>Stem Cell Reports</i> , <b>2015</b> , 5, 125-38		18
28	Neither antioxidants nor genistein inhibit the progression of established atherosclerotic lesions in older apoE deficient mice. <i>Atherosclerosis</i> , <b>2009</b> , 203, 82-8	3.1	18
27	microRNA-146a-5p association with the cardiometabolic disease risk factor TMAO. <i>Physiological Genomics</i> , <b>2019</b> , 51, 59-71	3.6	16
26	Modulating the Microbiota as a Therapeutic Intervention for Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 632335	5.7	15

25	Quantitative trait loci affecting atherosclerosis at the aortic root identified in an intercross between DBA2J and 129S6 apolipoprotein E-null mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e88274	3.7	14
24	Genetic regulation of atherosclerotic plaque size and morphology in the innominate artery of hyperlipidemic mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 348-55	9.4	14
23	Lack of myeloid Fatp1 increases atherosclerotic lesion size in Ldlr mice. <i>Atherosclerosis</i> , <b>2017</b> , 266, 182-189	9.2	13
22	Identification of aortic arch-specific quantitative trait loci for atherosclerosis by an intercross of DBA/2J and 129S6 apolipoprotein E-deficient mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117478	3.7	13
21	High-resolution association mapping of atherosclerosis loci in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 1790-8	9.4	12
20	Systems genetics identifies a co-regulated module of liver microRNAs associated with plasma LDL cholesterol in murine diet-induced dyslipidemia. <i>Physiological Genomics</i> , <b>2017</b> , 49, 618-629	3.6	10
19	Microbial modulation of host body composition and plasma metabolic profile. <i>Scientific Reports</i> , <b>2020</b> , 10, 6545	4.9	8
18	Genetic network identifies novel pathways contributing to atherosclerosis susceptibility in the innominate artery. <i>BMC Medical Genomics</i> , <b>2014</b> , 7, 51	3.7	7
17	Diesel exhaust particles dysregulate multiple immunological pathways in murine macrophages: Lessons from microarray and scRNA-seq technologies. <i>Archives of Biochemistry and Biophysics</i> , <b>2019</b> , 678, 108116	4.1	6
16	Ectopic expression of the Stabilin2 gene triggered by an intracisternal A particle (IAP) element in DBA/2J strain of mice. <i>Mammalian Genome</i> , <b>2020</b> , 31, 2-16	3.2	6
15	A small amount of dietary carbohydrate can promote the HFD-induced insulin resistance to a maximal level. <i>PLoS ONE</i> , <b>2014</b> , 9, e100875	3.7	6
14	Adopting a Mediterranean-style eating pattern with low, but not moderate, unprocessed, lean red meat intake reduces fasting serum trimethylamine N-oxide (TMAO) in adults who are overweight or obese. <i>British Journal of Nutrition</i> , <b>2021</b> , 1-21	3.6	3
13	Sequence Meets Function-Microbiota And Cardiovascular Disease. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	3
12	Dissecting the Genetic Architecture of Cystatin C in Diversity Outbred Mice. <i>G3: Genes, Genomes, Genetics</i> , <b>2020</b> , 10, 2529-2541	3.2	2
11	Network-centered view of coronary artery disease. <i>Expert Review of Cardiovascular Therapy</i> , <b>2007</b> , 5, 1095-103	2.5	2
10	Genetic Background Shapes Phenotypic Response to Diet for Adiposity in the Collaborative Cross. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 615012	4.5	2
9	Trimethylamine-N-Oxide (TMAO) Is Not Associated with Average Daily Intake of Red Meat or TMAO-Precursor Foods in a Generally Healthy Population. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 37-37	0.4	1
8	Genetic Architecture Modulates Diet-Induced Hepatic mRNA and miRNA Expression Profiles in Diversity Outbred Mice. <i>Genetics</i> , <b>2020</b> , 216, 241-259	4	1

7	Effects of a diet based on the Dietary Guidelines on vascular health and TMAO in women with cardiometabolic risk factors.. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2022</b> , 32, 210-219	4.5	1
6	Hepatic transcriptional profile reveals the role of diet and genetic backgrounds on metabolic traits in female progenitor strains of the Collaborative Cross. <i>Physiological Genomics</i> , <b>2021</b> , 53, 173-192	3.6	0
5	Plasma Choline Concentration Was Not Increased After a 6-Month Egg Intervention in 6-9-Month-Old Malawian Children: Results from a Randomized Controlled Trial.. <i>Current Developments in Nutrition</i> , <b>2022</b> , 6, nza150	0.4	0
4	Mapping metabolic traits in the diversity outbred mouse population (818.12). <i>FASEB Journal</i> , <b>2014</b> , 28, 818.12	0.9	
3	Towards nutrigenomics: studies to identify gene-diet interactions affecting susceptibility to cardiovascular disease (373.4). <i>FASEB Journal</i> , <b>2014</b> , 28, 373.4	0.9	
2	Inhibition of bone morphogenetic protein protects against atherosclerosis and vascular calcification. <i>FASEB Journal</i> , <b>2010</b> , 24, 116.1	0.9	
1	Obesogenic and diabetic effects of CD44 in mice are sexually dimorphic and dependent on genetic background.. <i>Biology of Sex Differences</i> , <b>2022</b> , 13, 14	9.3	