

# Jane F Ferguson

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

27,547  
citations

87888

38  
h-index

51608

86  
g-index

98  
all docs

98  
docs citations

98  
times ranked

38838  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heart Disease and Stroke Statisticsâ€™2022 Update: A Report From the American Heart Association. <i>Circulation</i> , 2022, 145, CIR0000000000001052.	1.6	2,561
2	Obesity influences composition of salivary and fecal microbiota and impacts the interactions between bacterial taxa. <i>Physiological Reports</i> , 2022, 10, e15254.	1.7	14
3	Genetic Architecture of Plasma Alphaâ€™Aminoacidic Acid Reveals a Relationship With Highâ€™Density Lipoprotein Cholesterol. <i>Journal of the American Heart Association</i> , 2022, 11, .	3.7	6
4	Microbiome-associated human genetic variants impact phenome-wide disease risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
5	Heart Disease and Stroke Statisticsâ€™2021 Update. <i>Circulation</i> , 2021, 143, e254-e743.	1.6	3,444
6	Hepatic Steatosis and Ectopic Fat Are Associated With Differences in Subcutaneous Adipose Tissue Gene Expression in People With HIV. <i>Hepatology Communications</i> , 2021, 5, 1224-1237.	4.3	9
7	Gut Microbiota-Derived Short-Chain Fatty Acids Facilitate Microbiota:Host Cross talk and Modulate Obesity and Hypertension. <i>Current Hypertension Reports</i> , 2021, 23, 8.	3.5	52
8	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. <i>European Heart Journal</i> , 2021, 42, 919-933.	2.2	113
9	Genetic Thyrotropin Regulation of Atrial Fibrillation Risk Is Mediated Through an Effect on Height. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2124-2132.	3.6	8
10	2â€™AAA Impairs Macrophage Efferocytosis and May Regulate the Development of Atherosclerosis. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
11	A metabolome and microbiome wide association study of healthy eating index points to the mechanisms linking dietary pattern and metabolic status. <i>European Journal of Nutrition</i> , 2021, 60, 4413-4427.	3.9	9
12	Diet Quality, Gut Microbiome and Metabolism. <i>Current Developments in Nutrition</i> , 2021, 5, 1148.	0.3	0
13	New-onset vegetarian diet shows differences in fatty acid metabolites in European American and African American women. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2436-2448.	2.6	4
14	Knock-Out of DHTKD1 Alters Mitochondrial Respiration and Function, and May Represent a Novel Pathway in Cardiometabolic Disease Risk. <i>Frontiers in Endocrinology</i> , 2021, 12, 710698.	3.5	11
15	The genetic architecture of plasma kynurenine includes cardiometabolic disease mechanisms associated with the SH2B3 gene. <i>Scientific Reports</i> , 2021, 11, 15652.	3.3	4
16	A microbial metabolite linked to fat accumulation. <i>Nature Metabolism</i> , 2021, 3, 1594-1595.	11.9	0
17	The Gut Microbiome, Inflammation, and Salt-Sensitive Hypertension. <i>Current Hypertension Reports</i> , 2020, 22, 79.	3.5	52
18	Healthy Eating Index, Genomics and Metabolomics; Insights into the Mechanisms Driving Dietary Pattern to Metabolic Disorders. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa046_006.	0.3	1

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19	Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 1500-1511.	2.6	16
20	Inflammation and Circulating Natriuretic Peptide Levels. <i>Circulation: Heart Failure</i> , 2020, 13, e006570.	3.9	47
21	Maternal microbial molecules affect offspring health. <i>Science</i> , 2020, 367, 978-979.	12.6	13
22	Heart Disease and Stroke Statisticsâ€™2020 Update: A Report From the American Heart Association. <i>Circulation</i> , 2020, 141, e139-e596.	1.6	5,545
23	Metabolomics reveals the impact of Type 2 diabetes on local muscle and vascular responses to ischemic stress. <i>Clinical Science</i> , 2020, 134, 2369-2379.	4.3	7
24	INFLAMMATION AND CIRCULATING NATRIURETIC PEPTIDE LEVELS IN HUMANS. <i>Journal of the American College of Cardiology</i> , 2019, 73, 869.	2.8	0
25	Metabolite Profiles of Incident Diabetes and Heterogeneity of Treatment Effect in the Diabetes Prevention Program. <i>Diabetes</i> , 2019, 68, 2337-2349.	0.6	22
26	Gut Microbiome and Response to Cardiovascular Drugs. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, 421-429.	3.6	74
27	Heart Disease and Stroke Statisticsâ€™2019 Update: A Report From the American Heart Association. <i>Circulation</i> , 2019, 139, e56-e528.	1.6	6,192
28	Multi-Omic Analysis of the Microbiome and Metabolome in Healthy Subjects Reveals Microbiome-Dependent Relationships Between Diet and Metabolites. <i>Frontiers in Genetics</i> , 2019, 10, 454.	2.3	104
29	Accelerating Biomarker Discovery Through Electronic Health Records, Automated Biobanking, and Proteomics. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2195-2205.	2.8	35
30	Omega-3 polyunsaturated fatty acids attenuate inflammatory activation and alter differentiation in human adipocytes. <i>Journal of Nutritional Biochemistry</i> , 2019, 64, 45-49.	4.2	28
31	High dietary saltâ€™induced DC activation underlies microbial dysbiosis-associated hypertension. <i>JCI Insight</i> , 2019, 4, .	5.0	105
32	SAT-080 Dexamethasone Administration Stimulates Acute Increases in Natriuretic Peptides in Humans: A Potential Diagnostic Test for "Natriuretic Peptide Hormone Deficiency"?. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.2	0
33	1507-P: Baseline Metabolite Profiles of Incident Type 2 Diabetes and Heterogeneity of Treatment Effect in the Diabetes Prevention Program (DPP). <i>Diabetes</i> , 2019, 68, 1507-P.	0.6	1
34	Heart Disease and Stroke Statisticsâ€™2018 Update: A Report From the American Heart Association. <i>Circulation</i> , 2018, 137, e67-e492.	1.6	5,228
35	Tissue-Specific Differential Expression of Novel Genes and Long Intergenic Noncoding RNAs in Humans With Extreme Response to Evoked Endotoxemia. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e001907.	3.6	4
36	Development of the Gut Microbiome in Children, and Lifetime Implications for Obesity and Cardiometabolic Disease. <i>Children</i> , 2018, 5, 160.	1.5	53

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37	Probing the Virtual Proteome to Identify Novel Disease Biomarkers. <i>Circulation</i> , 2018, 138, 2469-2481.	1.6	42
38	Interdisciplinary Models for Research and Clinical Endeavors in Genomic Medicine: A Scientific Statement From the American Heart Association. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e000046.	3.6	10
39	Relationship between very low low-density lipoprotein cholesterol concentrations not due to statin therapy and risk of type 2 diabetes: A US-based cross-sectional observational study using electronic health records. <i>PLoS Medicine</i> , 2018, 15, e1002642.	8.4	22
40	Acute effects of insulin on circulating natriuretic peptide levels in humans. <i>PLoS ONE</i> , 2018, 13, e0196869.	2.5	9
41	Interrogation of nonconserved human adipose lincRNAs identifies a regulatory role of <i>linc-ADAL</i> in adipocyte metabolism. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	42
42	Abstract 333: Dynamic Limb-specific Metabolomics Reveals the Impact of Diabetes on Muscle and Vascular Responses to Ischemic Stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, .	2.4	0
43	De novo RNA sequence assembly during in vivo inflammatory stress reveals hundreds of unannotated lincRNAs in human blood CD14+ monocytes and in adipose tissue. <i>Physiological Genomics</i> , 2017, 49, 287-305.	2.3	9
44	Loss of Cardioprotective Effects at the <i>ADAMTS7</i> Locus as a Result of Gene-Smoking Interactions. <i>Circulation</i> , 2017, 135, 2336-2353.	1.6	51
45	Synergistic Modulation of Inflammatory but not Metabolic Effects of High-Fat Feeding by <i>CCR2</i> and <i>CX3CR1</i> . <i>Obesity</i> , 2017, 25, 1410-1420.	3.0	7
46	Expression of Calgranulin Genes <i>S100A8</i> , <i>S100A9</i> and <i>S100A12</i> Is Modulated by n-3 PUFA during Inflammation in Adipose Tissue and Mononuclear Cells. <i>PLoS ONE</i> , 2017, 12, e0169614.	2.5	24
47	Adipose tissue RNASeq reveals novel gene-nutrient interactions following n-3 PUFA supplementation and evoked inflammation in humans. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 126-132.	4.2	30
48	Nutrigenomics, the Microbiome, and Gene-Environment Interactions: New Directions in Cardiovascular Disease Research, Prevention, and Treatment. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 291-313.	5.1	99
49	Sedentary Behavior and Cardiovascular Morbidity and Mortality: A Science Advisory From the American Heart Association. <i>Circulation</i> , 2016, 134, e262-79.	1.6	490
50	Branched-Chain Amino Acids and Cardiovascular Disease: Does Diet Matter?. <i>Clinical Chemistry</i> , 2016, 62, 545-547.	3.2	20
51	Activation of Innate Immunity Modulates Insulin Sensitivity, Glucose Effectiveness and Pancreatic $\beta$ -Cell Function in Both African Ancestry and European Ancestry Healthy Humans. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 513-520.	3.4	13
52	Human Experimental Endotoxemia in Modeling the Pathophysiology, Genomics, and Therapeutics of Innate Immunity in Complex Cardiometabolic Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 525-534.	2.4	46
53	Bioactive products formed in humans from fish oils. <i>Journal of Lipid Research</i> , 2015, 56, 1808-1820.	4.2	83
54	Integrative genomics identifies 7p11.2 as a novel locus for fever and clinical stress response in humans. <i>Human Molecular Genetics</i> , 2015, 24, 1801-1812.	2.9	18

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55	Tissue-Specific RNA-Seq in Human Evoked Inflammation Identifies Blood and Adipose LincRNA Signatures of Cardiometabolic Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 902-912.	2.4	75
56	A Functional Synonymous Coding Variant in the <i>IL1RN</i> Gene Is Associated with Survival in Septic Shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 656-664.	5.6	42
57	PennSeq: accurate isoform-specific gene expression quantification in RNA-Seq by modeling non-uniform read distribution. <i>Nucleic Acids Research</i> , 2014, 42, e20-e20.	14.5	33
58	PCSK9 is a critical regulator of the innate immune response and septic shock outcome. <i>Science Translational Medicine</i> , 2014, 6, 258ra143.	12.4	287
59	Impact of geographical region on urinary metabolomic and plasma fatty acid profiles in subjects with the metabolic syndrome across Europe: the LIPGENE study. <i>British Journal of Nutrition</i> , 2014, 111, 424-431.	2.3	17
60	Differential Associations of Oral Glucose Tolerance Test-Derived Measures of Insulin Sensitivity and Pancreatic $\beta$ -Cell Function With Coronary Artery Calcification and Microalbuminuria in Type 2 Diabetes. <i>Diabetes Care</i> , 2014, 37, 124-133.	8.6	14
61	Omega-3 PUFA supplementation and the response to evoked endotoxemia in healthy volunteers. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 601-613.	3.3	39
62	Very low density lipoprotein cholesterol associates with coronary artery calcification in type 2 diabetes beyond circulating levels of triglycerides. <i>Atherosclerosis</i> , 2014, 236, 244-250.	0.8	42
63	Insulin sensitivity index in type 1 diabetes and following human islet transplantation: comparison of the minimal model to euglycemic clamp measures. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1217-E1224.	3.5	13
64	Dietary isoflavone intake is associated with evoked responses to inflammatory cardiometabolic stimuli and improved glucose homeostasis in healthy volunteers. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 996-1003.	2.6	30
65	Race and gender variation in response to evoked inflammation. <i>Journal of Translational Medicine</i> , 2013, 11, 63.	4.4	86
66	Improvement in Insulin Sensitivity After Human Islet Transplantation for Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1780-E1785.	3.6	32
67	Genetics of coronary artery calcification among African Americans, a meta-analysis. <i>BMC Medical Genetics</i> , 2013, 14, 75.	2.1	73
68	Candidate Gene Association Study of Coronary Artery Calcification in Chronic Kidney Disease. <i>Journal of the American College of Cardiology</i> , 2013, 62, 789-798.	2.8	44
69	Meat-Loving Microbes. <i>Circulation: Cardiovascular Genetics</i> , 2013, 6, 308-309.	5.1	5
70	Mixed Modeling of Meta-Analysis P-Values (MixMAP) Suggests Multiple Novel Gene Loci for Low Density Lipoprotein Cholesterol. <i>PLoS ONE</i> , 2013, 8, e54812.	2.5	7
71	Evaluating the Impact of Sequencing Depth on Transcriptome Profiling in Human Adipose. <i>PLoS ONE</i> , 2013, 8, e66883.	2.5	60
72	Omics Gets Personal. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 381-382.	5.1	5

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73	Peroxisome Proliferator-Activated Receptor- $\alpha$ Agonism With Fenofibrate Does Not Suppress Inflammatory Responses to Evoked Endotoxemia. <i>Journal of the American Heart Association</i> , 2012, 1, e002923.	3.7	11
74	Increasing Power. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 595-596.	5.1	0
75	A human model of inflammatory cardio-metabolic dysfunction; a double blind placebo-controlled crossover trial. <i>Journal of Translational Medicine</i> , 2012, 10, 124.	4.4	34
76	Genetic determinants of the ankle-brachial index: A meta-analysis of a cardiovascular candidate gene 50K SNP panel in the candidate gene association resource (CARE) consortium. <i>Atherosclerosis</i> , 2012, 222, 138-147.	0.8	25
77	Translational Studies of Lipoprotein-Associated Phospholipase A2 in Inflammation and Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2012, 59, 764-772.	2.8	45
78	Docosahexaenoic acid attenuates macrophage-induced inflammation and improves insulin sensitivity in adipocytes-specific differential effects between LC n-3 PUFA. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1192-1200.	4.2	123
79	A Genome-Wide Association Study for Coronary Artery Disease Identifies a Novel Susceptibility Locus in the Major Histocompatibility Complex. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 217-225.	5.1	125
80	Top Advances in Functional Genomics and Translational Biology for 2011. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 143-145.	5.1	1
81	Large-Scale Gene-Centric Meta-Analysis across 39 Studies Identifies Type 2 Diabetes Loci. <i>American Journal of Human Genetics</i> , 2012, 90, 410-425.	6.2	239
82	Large-Scale Gene-Centric Meta-Analysis across 39 Studies Identifies Type 2 Diabetes Loci. <i>American Journal of Human Genetics</i> , 2012, 90, 753.	6.2	4
83	Fractalkine Is a Novel Human Adipochemokine Associated With Type 2 Diabetes. <i>Diabetes</i> , 2011, 60, 1512-1518.	0.6	140
84	Calpain-10 interacts with plasma saturated fatty acid concentrations to influence insulin resistance in individuals with the metabolic syndrome. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 1136-1141.	4.7	25
85	Genetic variations at the lipoprotein lipase gene influence plasma lipid concentrations and interact with plasma n-6 polyunsaturated fatty acids to modulate lipid metabolism. <i>Atherosclerosis</i> , 2011, 218, 416-422.	0.8	27
86	Identification of ADAMTS7 as a novel locus for coronary atherosclerosis and association of ABO with myocardial infarction in the presence of coronary atherosclerosis: two genome-wide association studies. <i>Lancet, The</i> , 2011, 377, 383-392.	13.7	466
87	The complexity of ABO in coronary heart disease – Authors' reply. <i>Lancet, The</i> , 2011, 377, 1493-1494.	13.7	0
88	Ridge Regression for Longitudinal Biomarker Data. <i>International Journal of Biostatistics</i> , 2011, 7, 1-11.	0.7	15
89	Large-Scale Gene-Centric Analysis Identifies Novel Variants for Coronary Artery Disease. <i>PLoS Genetics</i> , 2011, 7, e1002260.	3.5	203
90	The novel atherosclerosis locus at 10q11 regulates plasma CXCL12 levels. <i>European Heart Journal</i> , 2011, 32, 963-971.	2.2	67

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91	Gene-nutrient interactions in the metabolic syndrome: single nucleotide polymorphisms in ADIPOQ and ADIPOR1 interact with plasma saturated fatty acids to modulate insulin resistance. American Journal of Clinical Nutrition, 2010, 91, 794-801.	4.7	82
92	Association of the Vitamin D Metabolism Gene <i>CYP24A1</i> With Coronary Artery Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2648-2654.	2.4	65
93	Additive Effect of Polymorphisms in the IL-6, LTA, and TNF- $\alpha$ Genes and Plasma Fatty Acid Level Modulate Risk for the Metabolic Syndrome and Its Components. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1386-1394.	3.6	48
94	NOS3 gene polymorphisms are associated with risk markers of cardiovascular disease, and interact with omega-3 polyunsaturated fatty acids. Atherosclerosis, 2010, 211, 539-544.	0.8	50
95	Complement component 3 polymorphisms interact with polyunsaturated fatty acids to modulate risk of metabolic syndrome. American Journal of Clinical Nutrition, 2009, 90, 1665-1673.	4.7	59