Jane F Ferguson

List of Publications by Year
in descending order

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 Statistics—2019 Update: A Report From the American Heart Association. Circulation, 2019, 139, e56-e528.	1.6	6,192
2	Heart Disease and Stroke Statistics—2020 Update: A Report From the American Heart Association. Circulation, 2020, 141, e139-e596.	1.6	5,545
3	Heart Disease and Stroke Statistics—2018 Update: A Report From the American Heart Association. Circulation, 2018, 137, e67-e492.	1.6	5,228
4	Heart Disease and Stroke Statistics—2021 Update. Circulation, 2021, 143, e254-e743.	1.6	3,444
5	Heart Disease and Stroke Statistics—2022 Update: A Report From the American Heart Association. Circulation, 2022, 145, CIR0000000000001052.	1.6	2,561
6	Sedentary Behavior and Cardiovascular Morbidity and Mortality: A Science Advisory From the American Heart Association. Circulation, 2016, 134, e262-79.	1.6	490
7	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. Lancet, The, 2011, 377, 383-392.	13.7	466
8	PCSK9 is a critical regulator of the innate immune response and septic shock outcome. Science Translational Medicine, 2014, 6, 258ra143.	12.4	287
9	Large-Scale Gene-Centric Meta-Analysis across 39 Studies Identifies Type 2 Diabetes Loci. American Journal of Human Genetics, 2012, 90, 410-425.	6.2	239
10	Large-Scale Gene-Centric Analysis Identifies Novel Variants for Coronary Artery Disease. PLoS Genetics, 2011, 7, e1002260.	3.5	203
11	Fractalkine Is a Novel Human Adipochemokine Associated With Type 2 Diabetes. Diabetes, 2011, 60, 1512-1518.	0.6	140
12	A Genome-Wide Association Study for Coronary Artery Disease Identifies a Novel Susceptibility Locus in the Major Histocompatibility Complex. Circulation: Cardiovascular Genetics, 2012, 5, 217-225.	5.1	125
13	Docosahexaenoic acid attenuates macrophage-induced inflammation and improves insulin sensitivity in adipocytes-specific differential effects between LC n-3 PUFA. Journal of Nutritional Biochemistry, 2012, 23, 1192-1200.	4.2	123
14	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. European Heart Journal, 2021, 42, 919-933.	2.2	113
15	High dietary salt—induced DC activation underlies microbial dysbiosis-associated hypertension. JCI Insight, 2019, 4, .	5.0	105
16	Multi-Omic Analysis of the Microbiome and Metabolome in Healthy Subjects Reveals Microbiome-Dependent Relationships Between Diet and Metabolites. Frontiers in Genetics, 2019, 10, 454.	2.3	104
17	Nutrigenomics, the Microbiome, and Gene-Environment Interactions: New Directions in Cardiovascular Disease Research, Prevention, and Treatment. Circulation: Cardiovascular Genetics, 2016, 9, 291-313.	5.1	99
18	Race and gender variation in response to evoked inflammation. Journal of Translational Medicine, 2013, 11, 63.	4.4	86

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19	Bioactive products formed in humans from fish oils. Journal of Lipid Research, 2015, 56, 1808-1820.	4.2	83
20	Gene-nutrient interactions in the metabolic syndrome: single nucleotide polymorphisms in ADIPOQ and ADIPOR1interact with plasma saturated fatty acids to modulate insulin resistance. American Journal of Clinical Nutrition, 2010, 91, 794-801.	4.7	82
21	Tissue-Specific RNA-Seq in Human Evoked Inflammation Identifies Blood and Adipose LincRNA Signatures of Cardiometabolic Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 902-912.	2.4	75
22	Gut Microbiome and Response to Cardiovascular Drugs. Circulation Genomic and Precision Medicine, 2019, 12, 421-429.	3.6	74
23	Genetics of coronary artery calcification among African Americans, a meta-analysis. BMC Medical Genetics, 2013, 14, 75.	2.1	73
24	The novel atherosclerosis locus at 10q11 regulates plasma CXCL12 levels. European Heart Journal, 2011, 32, 963-971.	2.2	67
25	Association of the Vitamin D Metabolism Gene *CYP24A1* With Coronary Artery Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2648-2654.	2.4	65
26	Evaluating the Impact of Sequencing Depth on Transcriptome Profiling in Human Adipose. PLoS ONE, 2013, 8, e66883.	2.5	60
27	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
28	Development of the Gut Microbiome in Children, and Lifetime Implications for Obesity and Cardiometabolic Disease. Children, 2018, 5, 160.	1.5	53
29	The Gut Microbiome, Inflammation, and Salt-Sensitive Hypertension. Current Hypertension Reports, 2020, 22, 79.	3.5	52
30	Gut Microbiota-Derived Short-Chain Fatty Acids Facilitate Microbiota:Host Cross talk and Modulate Obesity and Hypertension. Current Hypertension Reports, 2021, 23, 8.	3.5	52
31	Loss of Cardioprotective Effects at the *ADAMTS7* Locus as a Result of Gene-Smoking Interactions. Circulation, 2017, 135, 2336-2353.	1.6	51
32	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
33	Additive Effect of Polymorphisms in the IL-6, LTA, and TNF-Î± 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
34	Inflammation and Circulating Natriuretic Peptide Levels. Circulation: Heart Failure, 2020, 13, e006570.	3.9	47
35	Human Experimental Endotoxemia in Modeling the Pathophysiology, Genomics, and Therapeutics of Innate Immunity in Complex Cardiometabolic Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 525-534.	2.4	46
36	Translational Studies of Lipoprotein-Associated Phospholipase A2 in Inflammation and Atherosclerosis. Journal of the American College of Cardiology, 2012, 59, 764-772.	2.8	45

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37	Candidate Gene Association Study of Coronary Artery Calcification in Chronic Kidney Disease. Journal of the American College of Cardiology, 2013, 62, 789-798.	2.8	44
38	A Functional Synonymous Coding Variant in the<i>IL1RN</i>Gene Is Associated with Survival in Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 656-664.	5.6	42
39	Very low density lipoprotein cholesterol associates with coronary artery calcification in type 2 diabetes beyond circulating levels of triglycerides. Atherosclerosis, 2014, 236, 244-250.	0.8	42
40	Probing the Virtual Proteome to Identify Novel Disease Biomarkers. Circulation, 2018, 138, 2469-2481.	1.6	42
41	Interrogation of nonconserved human adipose lincRNAs identifies a regulatory role of <i>linc-ADAL</i> in adipocyte metabolism. Science Translational Medicine, 2018, 10, .	12.4	42
42	Omegaâ€3 PUFA supplementation and the response to evoked endotoxemia in healthy volunteers. Molecular Nutrition and Food Research, 2014, 58, 601-613.	3.3	39
43	Accelerating Biomarker Discovery Through Electronic Health Records, Automated Biobanking, and Proteomics. Journal of the American College of Cardiology, 2019, 73, 2195-2205.	2.8	35
44	A human model of inflammatory cardio-metabolic dysfunction; a double blind placebo-controlled crossover trial. Journal of Translational Medicine, 2012, 10, 124.	4.4	34
45	PennSeq: accurate isoform-specific gene expression quantification in RNA-Seq by modeling non-uniform read distribution. Nucleic Acids Research, 2014, 42, e20-e20.	14.5	33
46	Improvement in Insulin Sensitivity After Human Islet Transplantation for Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1780-E1785.	3.6	32
47	Dietary isoflavone intake is associated with evoked responses to inflammatory cardiometabolic stimuli and improved glucose homeostasis in healthy volunteers. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 996-1003.	2.6	30
48	Adipose tissue RNASeq reveals novel geneâ€"nutrient interactions following n-3 PUFA supplementation and evoked inflammation in humans. Journal of Nutritional Biochemistry, 2016, 30, 126-132.	4.2	30
49	Omega-3 polyunsaturated fatty acids attenuate inflammatory activation and alter differentiation in human adipocytes. Journal of Nutritional Biochemistry, 2019, 64, 45-49.	4.2	28
50	Genetic variations at the lipoprotein lipase gene influence plasma lipid concentrations and interact with plasma n-6 polyunsaturated fatty acids to modulate lipid metabolism. Atherosclerosis, 2011, 218, 416-422.	0.8	27
51	Calpain-10 interacts with plasma saturated fatty acid concentrations to influence insulin resistance in individuals with the metabolic syndrome. American Journal of Clinical Nutrition, 2011, 93, 1136-1141.	4.7	25
52	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. Atherosclerosis, 2012, 222, 138-147.	0.8	25
53	Expression of Calgranulin Genes S100A8, S100A9 and S100A12 Is Modulated by n-3 PUFA during Inflammation in Adipose Tissue and Mononuclear Cells. PLoS ONE, 2017, 12, e0169614.	2.5	24
54	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. PLoS Medicine, 2018, 15, e1002642.	8.4	22

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55	Metabolite Profiles of Incident Diabetes and Heterogeneity of Treatment Effect in the Diabetes Prevention Program. Diabetes, 2019, 68, 2337-2349.	0.6	22
56	Branched-Chain Amino Acids and Cardiovascular Disease: Does Diet Matter?. Clinical Chemistry, 2016, 62, 545-547.	3.2	20
57	Integrative genomics identifies 7p11.2 as a novel locus for fever and clinical stress response in humans. Human Molecular Genetics, 2015, 24, 1801-1812.	2.9	18
58	Impact of geographical region on urinary metabolomic and plasma fatty acid profiles in subjects with the metabolic syndrome across Europe: the LIPGENE study. British Journal of Nutrition, 2014, 111, 424-431.	2.3	17
59	Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner. Nutrition, Metabolism and Cardiovascular Diseases, 2020, 30, 1500-1511.	2.6	16
60	Ridge Regression for Longitudinal Biomarker Data. International Journal of Biostatistics, 2011, 7, 1-11.	0.7	15
61	Differential Associations of Oral Glucose Tolerance Testâ€"Derived Measures of Insulin Sensitivity and Pancreatic Î²-Cell Function With Coronary Artery Calcification and Microalbuminuria in Type 2 Diabetes. Diabetes Care, 2014, 37, 124-133.	8.6	14
62	Obesity influences composition of salivary and fecal microbiota and impacts the interactions between bacterial taxa. Physiological Reports, 2022, 10, e15254.	1.7	14
63	Insulin sensitivity index in type 1 diabetes and following human islet transplantation: comparison of the minimal model to euglycemic clamp measures. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1217-E1224.	3.5	13
64	Activation of Innate Immunity Modulates Insulin Sensitivity, Glucose Effectiveness and Pancreatic Î²-Cell Function in Both African Ancestry and European Ancestry Healthy Humans. Metabolism: Clinical and Experimental, 2015, 64, 513-520.	3.4	13
65	Maternal microbial molecules affect offspring health. Science, 2020, 367, 978-979.	12.6	13
66	Peroxisome Proliferatorâ€"Activated Receptorâ€Î± Agonism With Fenofibrate Does Not Suppress Inflammatory Responses to Evoked Endotoxemia. Journal of the American Heart Association, 2012, 1, e002923.	3.7	11
67	Knock-Out of DHTKD1 Alters Mitochondrial Respiration and Function, and May Represent a Novel Pathway in Cardiometabolic Disease Risk. Frontiers in Endocrinology, 2021, 12, 710698.	3.5	11
68	Microbiome-associated human genetic variants impact phenome-wide disease risk. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
69	Interdisciplinary Models for Research and Clinical Endeavors in Genomic Medicine: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2018, 11, e000046.	3.6	10
70	De novo RNA sequence assembly during in vivo inflammatory stress reveals hundreds of unannotated lincRNAs in human blood CD14+ monocytes and in adipose tissue. Physiological Genomics, 2017, 49, 287-305.	2.3	9
71	Acute effects of insulin on circulating natriuretic peptide levels in humans. PLoS ONE, 2018, 13, e0196869.	2.5	9
72	Hepatic Steatosis and Ectopic Fat Are Associated With Differences in Subcutaneous Adipose Tissue Gene Expression in People With HIV. Hepatology Communications, 2021, 5, 1224-1237.	4.3	9

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73	A metabolome and microbiome wide association study of healthy eating index points to the mechanisms linking dietary pattern and metabolic status. European Journal of Nutrition, 2021, 60, 4413-4427.	3.9	9
74	Genetic Thyrotropin Regulation of Atrial Fibrillation Risk Is Mediated Through an Effect on Height. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2124-2132.	3.6	8
75	Mixed Modeling of Meta-Analysis P-Values (MixMAP) Suggests Multiple Novel Gene Loci for Low Density Lipoprotein Cholesterol. PLoS ONE, 2013, 8, e54812.	2.5	7
76	Synergistic Modulation of Inflammatory but not Metabolic Effects of High-Fat Feeding by CCR2 and CX3CR1. Obesity, 2017, 25, 1410-1420.	3.0	7
77	Metabolomics reveals the impact of Type 2 diabetes on local muscle and vascular responses to ischemic stress. Clinical Science, 2020, 134, 2369-2379.	4.3	7
78	Genetic Architecture of Plasma Alpha-Aminoadipic Acid Reveals a Relationship With High-Density Lipoprotein Cholesterol. Journal of the American Heart Association, 2022, 11, .	3.7	6
79	Omics Gets Personal. Circulation: Cardiovascular Genetics, 2012, 5, 381-382.	5.1	5
80	Meat-Loving Microbes. Circulation: Cardiovascular Genetics, 2013, 6, 308-309.	5.1	5
81	Large-Scale Gene-Centric Meta-Analysis across 39 Studies Identifies Type 2 Diabetes Loci. American Journal of Human Genetics, 2012, 90, 753.	6.2	4
82	Tissue-Specific Differential Expression of Novel Genes and Long Intergenic Noncoding RNAs in Humans With Extreme Response to Evoked Endotoxemia. Circulation Genomic and Precision Medicine, 2018, 11, e001907.	3.6	4
83	New-onset vegetarian diet shows differences in fatty acid metabolites in European American and African American women. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 2436-2448.	2.6	4
84	The genetic architecture of plasma kynurenine includes cardiometabolic disease mechanisms associated with the SH2B3 gene. Scientific Reports, 2021, 11, 15652.	3.3	4
85	Top Advances in Functional Genomics and Translational Biology for 2011. Circulation: Cardiovascular Genetics, 2012, 5, 143-145.	5.1	1
86	Healthy Eating Index, Genomics and Metabolomics; Insights into the Mechanisms Driving Dietary Pattern to Metabolic Disorders. Current Developments in Nutrition, 2020, 4, nzaa046_006.	0.3	1
87	1507-P: Baseline Metabolite Profiles of Incident Type 2 Diabetes and Heterogeneity of Treatment Effect in the Diabetes Prevention Program (DPP). Diabetes, 2019, 68, 1507-P.	0.6	1
88	The complexity of ABO in coronary heart disease – Authors' reply. Lancet, The, 2011, 377, 1493-1494.	13.7	0
89	Increasing Power. Circulation: Cardiovascular Genetics, 2012, 5, 595-596.	5.1	0
90	INFLAMMATION AND CIRCULATING NATRIURETIC PEPTIDE LEVELS IN HUMANS. Journal of the American College of Cardiology, 2019, 73, 869.	2.8	0

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91	2â€AAA Impairs Macrophage Efferocytosis and May Regulate the Development of Atherosclerosis. FASEB Journal, 2021, 35, .	0.5	0
92	Diet Quality, Gut Microbiome and Metabolism. Current Developments in Nutrition, 2021, 5, 1148.	0.3	0
93	Abstract 333: Dynamic Limb-specific Metabolomics Reveals the Impact of Diabetes on Muscle and Vascular Responses to Ischemic Stress. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	0
94	SAT-080 Dexamethasone Administration Stimulates Acute Increases in Natriuretic Peptides in Humans: A Potential Diagnostic Test for "Natriuretic Peptide Hormone Deficiency"?. Journal of the Endocrine Society, 2019, 3, .	0.2	0
95	A microbial metabolite linked to fat accumulation. Nature Metabolism, 2021, 3, 1594-1595.	11.9	0