Jane E Freedman

List of Publications by Year
in descending order

146 papers	9,757 citations	26567 56 h-index	39575 94 g-index
149 all docs	149 docs citations	149 times ranked	14964 citing authors

#	Article	IF	Citations
1	Circulating Platelets as Mediators of Immunity, Inflammation, and Thrombosis. Circulation Research, 2018, 122, 337-351.	2.0	600
2	Circulating Extracellular Vesicles in Human Disease. New England Journal of Medicine, 2018, 379, 958-966.	13.9	515
3	Select Flavonoids and Whole Juice From Purple Grapes Inhibit Platelet Function and Enhance Nitric Oxide Release. Circulation, 2001, 103, 2792-2798.	1.6	412
4	Î±-Tocopherol Inhibits Aggregation of Human Platelets by a Protein Kinase Câ€“Dependent Mechanism. Circulation, 1996, 94, 2434-2440.	1.6	270
5	Oxidative Stress and Platelets. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, s11-6.	1.1	258
6	Thrombosis and platelets: an update. European Heart Journal, 2017, 38, ehw550.	1.0	235
7	Stimulation of Toll-Like Receptor 2 in Human Platelets Induces a Thromboinflammatory Response Through Activation of Phosphoinositide 3-Kinase. Circulation Research, 2009, 104, 346-354.	2.0	231
8	Plateletâ€“Monocyte Aggregates. Circulation, 2002, 105, 2130-2132.	1.6	220
9	Platelet-TLR7 mediates host survival and platelet count during viral infection in the absence of platelet-dependent thrombosis. Blood, 2014, 124, 791-802.	0.6	209
10	The role of platelets in mediating a response to human influenza infection. Nature Communications, 2019, 10, 1780.	5.8	199
11	Deficient Platelet-Derived Nitric Oxide and Enhanced Hemostasis in Mice Lacking the NOSIII Gene. Circulation Research, 1999, 84, 1416-1421.	2.0	195
12	Aspirin Resistance and Atherothrombotic Disease. Journal of the American College of Cardiology, 2005, 46, 986-993.	1.2	179
13	Platelets and platelet-like particles mediate intercellular RNA transfer. Blood, 2012, 119, 6288-6295.	0.6	177
14	Diverse human extracellular RNAs are widely detected in human plasma. Nature Communications, 2016, 7, 11106.	5.8	170
15	Impaired Platelet Production of Nitric Oxide Predicts Presence of Acute Coronary Syndromes. Circulation, 1998, 98, 1481-1486.	1.6	168
16	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. Cell, 2019, 177, 231-242.	13.5	152
17	Integrated genome-wide analysis of expression quantitative trait loci aids interpretation of genomic association studies. Genome Biology, 2017, 18, 16.	3.8	151
18	Vitamin E and vascular homeostasis: implications for atherosclerosis. FASEB Journal, 1999, 13, 965-975.	0.2	144

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19	Interleukin 1 Receptor 1 and Interleukin 1Î² Regulate Megakaryocyte Maturation, Platelet Activation, and Transcript Profile During Inflammation in Mice and Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 552-564.	1.1	136
20	Genome-wide identification of microRNA expression quantitative trait loci. Nature Communications, 2015, 6, 6601.	5.8	134
21	Comprehensive multi-center assessment of small RNA-seq methods for quantitative miRNA profiling. Nature Biotechnology, 2018, 36, 746-757.	9.4	134
22	CD40â€“CD40 ligand interactions in oxidative stress, inflammation and vascular disease. Trends in Molecular Medicine, 2008, 14, 530-538.	3.5	133
23	CD40 Ligand Influences Platelet Release of Reactive Oxygen Intermediates. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2428-2434.	1.1	126
24	SARS-CoV-2 Initiates Programmed Cell Death in Platelets. Circulation Research, 2021, 129, 631-646.	2.0	126
25	Relation of Platelet and Leukocyte Inflammatory Transcripts to Body Mass Index in the Framingham Heart Study. Circulation, 2010, 122, 119-129.	1.6	121
26	Grape Seed and Skin Extracts Inhibit Platelet Function and Release of Reactive Oxygen Intermediates. Journal of Cardiovascular Pharmacology, 2005, 46, 445-451.	0.8	119
27	Ageâ€associated micro<scp>RNA</scp> expression in human peripheral blood is associated with allâ€cause mortality and ageâ€related traits. Aging Cell, 2018, 17, e12687.	3.0	114
28	CD40-CD40L and Platelet Function. Circulation Research, 2003, 92, 944-946.	2.0	109
29	MicroRNAs in platelet function and cardiovascular disease. Nature Reviews Cardiology, 2015, 12, 711-717.	6.1	109
30	Gene Expression Signatures of Coronary Heart Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1418-1426.	1.1	105
31	Immune versus thrombotic stimulation of platelets differentially regulates signalling pathways, intracellular protein-protein interactions, and Î±-granule release. Thrombosis and Haemostasis, 2009, 102, 97-110.	1.8	104
32	Characterization of the platelet transcriptome by RNA sequencing in patients with acute myocardial infarction. Platelets, 2016, 27, 230-239.	1.1	103
33	Effects of endothelial nitric oxide synthase gene polymorphisms on platelet function, nitric oxide release, and interactions with estradiol. Pharmacogenetics and Genomics, 2002, 12, 407-413.	5.7	101
34	Plasma microRNAs are associated with atrial fibrillation and change after catheter ablation (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	0.3	101
35	Dynamic Role of trans Regulation of Gene Expression in Relation to Complex Traits. American Journal of Human Genetics, 2017, 100, 571-580.	2.6	101
36	Molecular Regulation of Platelet-Dependent Thrombosis. Circulation, 2005, 112, 2725-2734.	1.6	93

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37	Regulatory effects of TLR2 on megakaryocytic cell function. Blood, 2011, 117, 5963-5974.	0.6	91
38	Sex Differences in Platelet Toll-Like Receptors and Their Association With Cardiovascular Risk Factors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1030-1037.	1.1	91
39	Relations between circulating microRNAs and atrial fibrillation: Data from the Framingham Offspring Study. Heart Rhythm, 2014, 11, 663-669.	0.3	80
40	Neutrophil CD40 enhances platelet-mediated inflammation. Thrombosis Research, 2008, 122, 346-358.	0.8	76
41	Reduced Adipose Tissue Inflammation Represents an Intermediate Cardiometabolic Phenotype in Obesity. Journal of the American College of Cardiology, 2011, 58, 232-237.	1.2	76
42	Extracellular RNAs Are Associated With Insulin Resistance and Metabolic Phenotypes. Diabetes Care, 2017, 40, 546-553.	4.3	73
43	Extracellular RNAs: development as biomarkers of human disease. Journal of Extracellular Vesicles, 2015, 4, 27495.	5.5	72
44	Low Plasma Ascorbic Acid Independently Predicts the Presence of an Unstable Coronary Syndrome 11Dr. Vita is supported by Grants HL-53398 and HL-559993, and Dr. Frei by Grants HL-49954 and HL-56170, from the National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, Maryland. Dr. Frei is also supported by Grant ES-06593 from the National Institute of Environmental Health Sciences, National Institutes of Health. Dr. Keaney is the recipient of a Clinical Investigator Development Award. Journal of the American College of Cardiology, 1998, 31, 980-986.	1.2	71
45	Vitamin E Inhibition of Platelet Aggregation Is Independent of Antioxidant Activity. Journal of Nutrition, 2001, 131, 374S-377S.	1.3	71
46	CD40-40L Signaling in Vascular Inflammation. Journal of Biological Chemistry, 2007, 282, 18307-18317.	1.6	71
47	The role of RNA uptake in platelet heterogeneity. Thrombosis and Haemostasis, 2017, 117, 948-961.	1.8	68
48	Circulating microRNAs miR-331 and miR-195 differentiate local luminal a from metastatic breast cancer. BMC Cancer, 2019, 19, 436.	1.1	68
49	The role of inflammation in regulating platelet production and function: Toll-like receptors in platelets and megakaryocytes. Thrombosis Research, 2010, 125, 205-209.	0.8	67
50	Integromic Analysis of Genetic Variation and Gene Expression Identifies Networks for Cardiovascular Disease Phenotypes. Circulation, 2015, 131, 536-549.	1.6	65
51	Dipyridamole, cerebrovascular disease, and the vasculature. Vascular Pharmacology, 2008, 48, 143-149.	1.0	64
52	Circulating Extracellular Vesicles in Human Disease. New England Journal of Medicine, 2018, 379, 2179-2181.	13.9	63
53	Noncoding RNAs in Cardiovascular Disease: Current Knowledge, Tools and Technologies for Investigation, and Future Directions: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2020, 13, e000062.	1.6	61
54	The Antiinflammatory Effects of Purple Grape Juice Consumption in Subjects with Stable Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, e179-80.	1.1	59

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55	Î±â€Tocopherol and protein kinase C inhibition enhance plateletâ€derived nitric oxide release. FASEB Journal, 2000, 14, 2377-2379.	0.2	58
56	Resequencing and Clinical Associations of the 9p21.3 Region. Circulation, 2013, 127, 799-810.	1.6	58
57	Circulating Cell and Plasma microRNA Profiles Differ between Non-STSegment and ST-Segment-Elevation Myocardial Infarction. Family Medicine & Medical Science Research, 2013, 02, 108.	0.1	58
58	Relationship Among Circulating Inflammatory Proteins, Platelet Gene Expression, and Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2666-2673.	1.1	56
59	Ideal Cardiovascular Health, Cardiovascular Remodeling, and Heart Failure in Blacks. Circulation: Heart Failure, 2017, 10, .	1.6	54
60	Regulation of Endogenous Reactive Oxygen Species in Platelets Can Reverse Aggregation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 187-192.	1.1	53
61	Dissecting the Roles of MicroRNAs in Coronary Heart Disease via Integrative Genomic Analyses. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1011-1021.	1.1	53
62	Compensatory mechanisms influence hemostasis in setting of eNOS deficiency. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1627-H1632.	1.5	52
63	Plasma Circulating Extracellular RNAs in Left Ventricular Remodeling Post-Myocardial Infarction. EBioMedicine, 2018, 32, 172-181.	2.7	52
64	Genetic associations with expression for genes implicated in GWAS studies for atherosclerotic cardiovascular disease and blood phenotypes. Human Molecular Genetics, 2014, 23, 782-795.	1.4	49
65	The Effect of Dipyridamole on Vascular Cell-Derived Reactive Oxygen Species. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 494-500.	1.3	48
66	Innate Immunity and Tollâ€like Receptor Antagonists: A Potential Role in the Treatment of Cardiovascular Diseases. Cardiovascular Therapeutics, 2009, 27, 117-123.	1.1	47
67	MicroRNA Signature of Cigarette Smoking and Evidence for a Putative Causal Role of MicroRNAs in Smoking-Related Inflammation and Target Organ Damage. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	45
68	CD40 Ligand â€" Assessing Risk Instead of Damage?. New England Journal of Medicine, 2003, 348, 1163-1165.	13.9	40
69	The distribution of circulating microRNA and their relation to coronary disease. F1000Research, 2012, 1, 50.	0.8	40
70	Challenges and Opportunities in Linking Long Noncoding RNAs to Cardiovascular, Lung, and Blood Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 21-25.	1.1	39
71	Plasma, Serum, and Platelet Expression of CD40 Ligand in Adults With Cardiovascular Disease. American Journal of Cardiology, 2005, 96, 1365-1369.	0.7	38
72	Pharmacological control of platelet function. Pharmacological Research, 2001, 44, 255-264.	3.1	35

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73	The Effects of Tamoxifen and Its Metabolites on Platelet Function and Release of Reactive Oxygen Intermediates. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 1144-1150.	1.3	35
74	Stroke and Circulating Extracellular RNAs. Stroke, 2017, 48, 828-834.	1.0	35
75	Platelets and COVID-19. Circulation Research, 2020, 127, 1419-1421.	2.0	35
76	[7] Nitric oxide and superoxide detection in human platelets. Methods in Enzymology, 1999, 301, 61-70.	0.4	34
77	Small RNA-seq during acute maximal exercise reveal RNAs involved in vascular inflammation and cardiometabolic health: brief report. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H1162-H1167.	1.5	34
78	The Many Antithrombotic Actions of Nitric Oxide. Current Drug Targets, 2006, 7, 1243-1251.	1.0	33
79	Messenger RNA and MicroRNA transcriptomic signatures of cardiometabolic risk factors. BMC Genomics, 2017, 18, 139.	1.2	33
80	Associations of Circulating Extracellular RNAs With Myocardial Remodeling and Heart Failure. JAMA Cardiology, 2018, 3, 871.	3.0	33
81	Discordant Expression of Circulating microRNA from Cellular and Extracellular Sources. PLoS ONE, 2016, 11, e0153691.	1.1	30
82	Subclinical Atherosclerosis, Statin Eligibility, and Outcomes in African American Individuals. JAMA Cardiology, 2017, 2, 644.	3.0	30
83	Hypoxia influences CD40â€“CD40L mediated inflammation in endothelial and monocytic cells. Immunology Letters, 2009, 122, 170-184.	1.1	29
84	A call to action for new global approaches to cardiovascular disease drug solutions. European Heart Journal, 2021, 42, 1464-1475.	1.0	29
85	Redox State of Dipyridamole is a Critical Determinant for Its Beneficial Antioxidant and Antiinflammatory Effects. Journal of Cardiovascular Pharmacology, 2007, 50, 449-457.	0.8	28
86	The Aspirin Resistance Controversy. Circulation, 2006, 113, 2865-2867.	1.6	27
87	Glycoprotein IIb/IIIa inhibition enhances platelet nitric oxide release. Thrombosis Research, 2004, 113, 225-233.	0.8	25
88	High-Dose Heparin Decreases Nitric Oxide Production by Cultured Bovine Endothelial Cells. Circulation, 1997, 95, 2115-2121.	1.6	24
89	Comprehensive Metabolic Phenotyping Refines Cardiovascular Risk in Young Adults. Circulation, 2020, 142, 2110-2127.	1.6	23
90	Aspirin resistance: current concepts. Reviews in Cardiovascular Medicine, 2004, 5, 156-63.	0.5	23

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91	Decreased thromboembolic stroke but not atherosclerosis or vascular remodelling in mice with ROCK2-deficient platelets. Cardiovascular Research, 2017, 113, 1307-1317.	1.8	22
92	Atrial Fibrillation and Stroke Prevention in Aging Patients. Circulation, 2014, 130, 129-131.	1.6	21
93	Platelets and Plasminogen Activation. Thrombosis and Haemostasis, 1995, 74, 291-293.	1.8	21
94	Review: Nutriceuticals as Antithrombotic Agents. Cardiovascular Therapeutics, 2010, 28, 227-235.	1.1	19
95	New paradigms in thrombosis: novel mediators and biomarkers platelet RNA transfer. Journal of Thrombosis and Thrombolysis, 2014, 37, 12-16.	1.0	19
96	Whole blood microRNA expression associated with stroke: Results from the Framingham Heart Study. PLoS ONE, 2019, 14, e0219261.	1.1	19
97	A Call to Action for New Global Approaches to Cardiovascular Disease Drug Solutions. Circulation, 2021, 144, 159-169.	1.6	18
98	Comparison of RNA isolation and associated methods for extracellular RNA detection by high-throughput quantitative polymerase chain reaction. Analytical Biochemistry, 2016, 501, 66-74.	1.1	17
99	Micro-RNAs Are Related to Epicardial Adipose Tissue in Participants With Atrial Fibrillation: Data From the MiRhythm Study. Frontiers in Cardiovascular Medicine, 2019, 6, 115.	1.1	17
100	The role of CD40L and VEGF in the modulation of angiogenesis and inflammation. Vascular Pharmacology, 2010, 53, 130-137.	1.0	16
101	Unique Circulating MicroRNA Profiles in HIV Infection. Journal of Acquired Immune Deficiency Syndromes (1999), 2018, 79, 644-650.	0.9	16
102	Platelets and Immunity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1605-1607.	1.1	16
103	Epigenome-wide association study of DNA methylation and microRNA expression highlights novel pathways for human complex traits. Epigenetics, 2020, 15, 183-198.	1.3	15
104	Molecular Signature of Multisystem Cardiometabolic Stress and Its Association With Prognosis. JAMA Cardiology, 2020, 5, 1144.	3.0	15
105	The Dynamic Platelet Transcriptome in Obesity and Weight Loss. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 854-864.	1.1	15
106	Crossâ€sectional relations of wholeâ€blood mi<scp>RNA</scp> expression levels and hand grip strength in a community sample. Aging Cell, 2017, 16, 888-894.	3.0	13
107	Endothelial Dysfunction and Atherothrombotic Occlusive Disease. Drugs, 1997, 54, 41-50.	4.9	12
108	Clinical correlates, heritability, and genetic linkage of circulating CD40 ligand in the Framingham Offspring Study. American Heart Journal, 2008, 156, 1003-1009.e1.	1.2	12

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109	The role of the blood transcriptome in innate inflammation and stroke. Annals of the New York Academy of Sciences, 2010, 1207, 41-45.	1.8	12
110	A platelet transcriptome revolution. Blood, 2011, 118, 3760-3761.	0.6	12
111	Hepatic steatosis is associated with cardiometabolic risk in a rural Indian population: A prospective cohort study. International Journal of Cardiology, 2016, 225, 161-166.	0.8	11
112	Relations between plasma microRNAs, echocardiographic markers of atrial remodeling, and atrial fibrillation: Data from the Framingham Offspring study. PLoS ONE, 2020, 15, e0236960.	1.1	10
113	Inflammation & the platelet histone trap. Blood, 2011, 118, 1714-1715.	0.6	9
114	Heritability, Platelet Function, and Aspirin. Circulation, 2007, 115, 2468-2470.	1.6	8
115	Specific Inflammatory Stimuli Lead to Distinct Platelet Responses in Mice and Humans. PLoS ONE, 2015, 10, e0131688.	1.1	8
116	Inhibition of Platelet Function by the Endothelium. , 2007, , 251-279.		7
117	Cardiovascular Devices and Platelet Interactions. Circulation: Cardiovascular Interventions, 2012, 5, 296-304.	1.4	7
118	Blood-Derived Extracellular RNA and Platelet Pathobiology. Circulation Research, 2016, 118, 374-376.	2.0	7
119	Pollen-derived RNAs Are Found in the Human Circulation. IScience, 2019, 19, 916-926.	1.9	7
120	M118, a novel low-molecular weight heparin with decreased polydispersity leads to enhanced anticoagulant activity and thrombotic occlusion in ApoE knockout mice. Journal of Thrombosis and Thrombolysis, 2009, 28, 394-400.	1.0	6
121	Platelet functional and transcriptional changes induced by intralipid infusion. Thrombosis and Haemostasis, 2016, 115, 1147-1156.	1.8	6
122	Micro RNAs from DNA Viruses are Found Widely in Plasma in a Large Observational Human Population. Scientific Reports, 2018, 8, 6397.	1.6	6
123	Yersinia pestis escapes entrapment in thrombi by targeting platelet function. Journal of Thrombosis and Haemostasis, 2020, 18, 3236-3248.	1.9	6
124	A Translational Model for Venous Thromboembolism: MicroRNA Expression in Hibernating Black Bears. Journal of Surgical Research, 2021, 257, 203-212.	0.8	6
125	Heparin Reacts With and Inactivates Nitric Oxide. Journal of Cardiovascular Pharmacology and Therapeutics, 2001, 6, 163-173.	1.0	5
126	Thrombin, Thrombomodulin, and Extracellular Signalâ€“Regulated Kinases Regulating Cellular Proliferation. Circulation Research, 2001, 88, 651-653.	2.0	5

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127	Inhibition of Platelet Function by the Endothelium. , 2013, , 313-342.		5
128	Plasma MicroRNAs Relate to Atrial Fibrillation Recurrence after Catheter Ablation: Longitudinal Findings from the MiRhythm Study. Journal of Clinical & Experimental Cardiology, 2017, 08, .	0.0	5
129	Identifying miRNA Biomarkers and Predicted Targets Associated with Venous Thromboembolism in Colorectal Cancer Patients. Blood, 2019, 134, 3643-3643.	0.6	5
130	Circulating extracellular RNAs, myocardial remodeling, and heart failure in patients with acute coronary syndrome. Journal of Clinical and Translational Research, 2019, 5, 33-43.	0.3	4
131	Inherited Dysfunctional Nitric Oxide Signaling and the Pathobiology of Atherothrombotic Disease. Circulation Research, 2014, 114, 1372-1373.	2.0	3
132	Translational Epidemiology. Circulation Research, 2016, 119, 1060-1062.	2.0	3
133	Use of Genetics and Transcriptomics in the Diagnosis and Treatment of Coronary Artery Disease. Revista Espanola De Cardiologia (English Ed), 2010, 63, 1123-1126.	0.4	2
134	Circulation Research. Circulation Research, 2019, 125, 5-6.	2.0	2
135	Thrombosis. , 2006, , 125-133.		2
136	Overview of Platelet-Dependent Thrombosis. Fundamental and Clinical Cardiology, 2009, , 9-18.	0.0	2
137	Aspirin resistance in atherosclerosis. Current Atherosclerosis Reports, 2008, 10, 149-157.	2.0	1
138	Appreciating and Mitigating Bleeding Risk. Circulation, 2012, 125, e548-50.	1.6	1
139	Inhibition of Platelet Function by the Endothelium. , 2019, , 311-327.		1
140	Platelet Function: Assessment, Diagnosis, and Treatment. Circulation, 2006, 113, .	1.6	0
141	Changing Times at Cardiovascular Therapeutics. Cardiovascular Drug Reviews, 2008, 26, 1-1.	4.4	0
142	Thrombosis. , 2013, , 133-137.		0
143	Implications of Platelet RNA to Vascular Health and Disease. , 2017, , 253-261.		0
144	The Adverse Vascular Effects of E-Cigarettes. Journal of the American College of Cardiology, 2019, 73, 2738-2739.	1.2	0

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145	Nuts, Cardiovascular Health, and Diabetes. Circulation Research, 2019, 124, 825-826.	2.0	0
146	Oxidants and Antioxidants in Platelet Function. Developments in Cardiovascular Medicine, 2000, , 183-194.	0.1	0