

# Sanjay Rajagopaian

## List of Publications by Year in Descending Order

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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.

165  
papers

14,732  
citations

49  
h-index

120  
g-index

195  
ext. papers

18,980  
ext. citations

7.3  
avg, IF

6.5  
L-index

#	Paper	IF	Citations
165	Deep learning segmentation and quantification method for assessing epicardial adipose tissue in CT calcium score scans.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2276	4.9	2
164	Neighborhood-Level Social Vulnerability and Prevalence of Cardiovascular Risk Factors and Coronary Heart Disease.. <i>Current Problems in Cardiology</i> , <b>2022</b> , 101182	17.1	2
163	Social Vulnerability and Excess Mortality in the COVID-19 Era.. <i>American Journal of Cardiology</i> , <b>2022</b> , ,	3	0
162	Effects of respirators to reduce fine particulate matter exposures on blood pressure and heart rate variability: A systematic review and meta-analysis.. <i>Environmental Pollution</i> , <b>2022</b> , 119109	9.3	0
161	Pollution and the Heart. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 1881-1892	59.2	10
160	Long-Term Prognostic Implications and Role of Further Testing in Adults Aged 65 Years With a Coronary Calcium Score of Zero (from the Multi-Ethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , <b>2021</b> , 161, 26-35	3	1
159	Soluble Tumor Necrosis Factor Receptor 1 is Associated With Cardiovascular Risk in Persons With Coronary Artery Calcium Score of Zero.. <i>Pathogens and Immunity</i> , <b>2021</b> , 6, 135-148	4.9	0
158	Hospitalization for Heart Failure in the United States, UK, Taiwan, and Japan: An International Comparison of Administrative Health Records on 413,385 Individual Patients. <i>Journal of Cardiac Failure</i> , <b>2021</b> ,	3.3	1
157	Variations in Sleep Characteristics and Glucose Regulation in Young Adults with Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> ,	5.6	2
156	The Benefits of Intensive Versus Standard Blood Pressure Treatment According to Fine Particulate Matter Air Pollution Exposure: A Post Hoc Analysis of SPRINT. <i>Hypertension</i> , <b>2021</b> , 77, 813-822	8.5	3
155	COVID-19 and Emissions: An Opportunity for Sustainable Global Health. <i>European Heart Journal</i> , <b>2021</b> , 42, 3415-3417	9.5	0
154	Sampath Parthasarathy, PhD, MBA, 1947-2020. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1251-1252	9.4	
153	Eliminating Missed Opportunities for Patients with Type 2 Diabetes. <i>Trends in Endocrinology and Metabolism</i> , <b>2021</b> , 32, 257-259	8.8	0
152	Association between ambient air pollution and county-level cardiovascular mortality in the United States by social deprivation index. <i>American Heart Journal</i> , <b>2021</b> , 235, 125-131	4.9	3
151	Heart healthy cities: genetics loads the gun but the environment pulls the trigger. <i>European Heart Journal</i> , <b>2021</b> , 42, 2422-2438	9.5	9
150	Endothelin-1 and peak oxygen consumption in patients with heart failure with preserved ejection fraction. <i>Heart and Lung: Journal of Acute and Critical Care</i> , <b>2021</b> , 50, 442-446	2.6	0
149	Deep learning reconstruction for cardiac magnetic resonance fingerprinting T and T mapping. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2127-2135	4.4	5

148	Ambient Air Pollution and Atherosclerosis: Insights Into Dose, Time, and Mechanisms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 628-637	9.4	12
147	A leucopoietic-arterial axis underlying the link between ambient air pollution and cardiovascular disease in humans. <i>European Heart Journal</i> , <b>2021</b> , 42, 761-772	9.5	13
146	A New WATCHMAN Sizing Algorithm Utilizing Cardiac CTA. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 33, 13-19	1.6	1
145	Ambient Air Pollution and Atherosclerosis: Recent Updates. <i>Current Atherosclerosis Reports</i> , <b>2021</b> , 23, 63	6	1
144	A neurobiological link between transportation noise exposure and metabolic disease in humans. <i>Psychoneuroendocrinology</i> , <b>2021</b> , 131, 105331	5	3
143	Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 2982-3021	15.1	922
142	Personal-Level Protective Actions Against Particulate Matter Air Pollution Exposure: A Scientific Statement From the American Heart Association. <i>Circulation</i> , <b>2020</b> , 142, e411-e431	16.7	32
141	Exposure to Air Pollution Disrupts Circadian Rhythm through Alterations in Chromatin Dynamics. <i>IScience</i> , <b>2020</b> , 23, 101728	6.1	9
140	Guidance to Reduce the Cardiovascular Burden of Ambient Air Pollutants: A Policy Statement From the American Heart Association. <i>Circulation</i> , <b>2020</b> , 142, e432-e447	16.7	13
139	Cardiovascular Mortality and Exposure to Heat in an Inherently Hot Region: Implications for Climate Change. <i>Circulation</i> , <b>2020</b> , 141, 1271-1273	16.7	8
138	Environmental determinants of cardiovascular disease: lessons learned from air pollution. <i>Nature Reviews Cardiology</i> , <b>2020</b> , 17, 656-672	14.8	107
137	Reply: Pollution and Organ Transplantation. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 2876-2877	5.1	
136	Associations between particulate matter air pollution, presence and progression of subclinical coronary and carotid atherosclerosis: A systematic review. <i>Atherosclerosis</i> , <b>2020</b> , 306, 22-32	3.1	9
135	Chemotherapy-associated nonbacterial thrombotic endocarditis: A radiological mimicker of cardiac amyloidosis requiring histopathologic examination for definitive diagnosis. <i>Cardiovascular Pathology</i> , <b>2020</b> , 47, 107210	3.8	1
134	Metabolic effects of air pollution exposure and reversibility. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 6034-6040	15.9	16
133	Oxidative stress pathways of air pollution mediated toxicity: Recent insights. <i>Redox Biology</i> , <b>2020</b> , 34, 101545	11.3	54
132	Clearing the air to treat hypertension. <i>Journal of Human Hypertension</i> , <b>2020</b> , 34, 759-763	2.6	3
131	Methoxyphenol derivatives as reversible inhibitors of myeloperoxidase as potential antiatherosclerotic agents. <i>Future Medicinal Chemistry</i> , <b>2020</b> , 12, 95-110	4.1	6

130	Temporal trends in the incidence, treatment patterns, and outcomes of coronary artery disease and peripheral artery disease in the UK, 2006-2015. <i>European Heart Journal</i> , <b>2020</b> , 41, 1636-1649	9.5	19
129	A neurobiological mechanism linking transportation noise to cardiovascular disease in humans. <i>European Heart Journal</i> , <b>2020</b> , 41, 772-782	9.5	46
128	Cardiometabolic Risk Factor Control During Times of Crises and Beyond. <i>Circulation: Cardiovascular Quality and Outcomes</i> , <b>2020</b> , 13, e006815	5.8	5
127	Facile Cholesterol Loading with a New Probe ezFlux Allows for Streamlined Cholesterol Efflux Assays. <i>ACS Omega</i> , <b>2020</b> , 5, 23289-23298	3.9	1
126	Cardiopulmonary Impact of Particulate Air Pollution in High-Risk Populations: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 2878-2894	15.1	22
125	Reduction of environmental pollutants for prevention of cardiovascular disease: it's time to act. <i>European Heart Journal</i> , <b>2020</b> , 41, 3989-3997	9.5	21
124	Evaluation of dyspnea of unknown etiology in HIV patients with cardiopulmonary exercise testing and cardiovascular magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2020</b> , 22, 74	6.9	2
123	No-Charge Coronary Artery Calcium Screening for Cardiovascular Risk Assessment. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1259-1262	15.1	5
122	Systemically-delivered biodegradable PLGA alters gut microbiota and induces transcriptomic reprogramming in the liver in an obesity mouse model. <i>Scientific Reports</i> , <b>2020</b> , 10, 13786	4.9	6
121	Differential contribution of bone marrow-derived infiltrating monocytes and resident macrophages to persistent lung inflammation in chronic air pollution exposure. <i>Scientific Reports</i> , <b>2020</b> , 10, 14348	4.9	3
120	Cardiac Computed Tomography for Personalized Management of Patients With Type 2 Diabetes Mellitus. <i>Circulation: Cardiovascular Imaging</i> , <b>2020</b> , 13, e011365	3.9	4
119	Low dose contrast CT for transcatheter aortic valve replacement assessment: Results from the prospective SPECTACULAR study (spectral CT assessment prior to TAVR). <i>Journal of Cardiovascular Computed Tomography</i> , <b>2020</b> , 14, 68-74	2.8	8
118	Impact of comorbidities on peak troponin levels and mortality in acute myocardial infarction. <i>Heart</i> , <b>2020</b> , 106, 677-685	5.1	2
117	Simultaneous Mapping of T <sub>1</sub> and T <sub>2</sub> Using Cardiac Magnetic Resonance Fingerprinting in a Cohort of Healthy Subjects at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 52, 1044-1052	5.6	11
116	Real World Utilization of Computed Tomography Derived Fractional Flow Reserve: Single Center Experience in the United States. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 1043-1047	1.6	0
115	Extreme Levels of Air Pollution Associated With Changes in Biomarkers of Atherosclerotic Plaque Vulnerability and Thrombogenicity in Healthy Adults. <i>Circulation Research</i> , <b>2019</b> , 124, e30-e43	15.7	45
114	Ambient Air Pollution Is Associated With HDL (High-Density Lipoprotein) Dysfunction in Healthy Adults. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 513-522	9.4	44
113	CMR Fingerprinting for Myocardial T <sub>1</sub> , T <sub>2</sub> , and ECV Quantification in Patients With Nonischemic Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 1584-1585	8.4	9

112	Noncontrast Magnetic Resonance Angiography for the Diagnosis of Peripheral Vascular Disease. <i>Circulation: Cardiovascular Imaging</i> , <b>2019</b> , 12, e008844	3.9	14
111	Alpha2B-Adrenergic Receptor Overexpression in the Brain Potentiate Air Pollution-induced Behavior and Blood Pressure Changes. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 95-107	4.4	13
110	Contribution of airborne desert dust to air quality and cardiopulmonary disease. <i>European Heart Journal</i> , <b>2019</b> , 40, 2377-2378	9.5	2
109	Acute Blood Pressure and Cardiovascular Effects of Near-Roadway Exposures With and Without N95 Respirators. <i>American Journal of Hypertension</i> , <b>2019</b> , 32, 1054-1065	2.3	15
108	Nano-Antagonist Alleviates Inflammation and Allows for MRI of Atherosclerosis. <i>Nanotheranostics</i> , <b>2019</b> , 3, 342-355	5.6	15
107	Short-term effects of ambient air pollution and outdoor temperature on biomarkers of myocardial damage, inflammation and oxidative stress in healthy adults. <i>Environmental Epidemiology</i> , <b>2019</b> , 3, e078	0.2	7
106	Air pollution-derived particulate matter dysregulates hepatic Krebs cycle, glucose and lipid metabolism in mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 17423	4.9	15
105	Ambient Air Pollution and Mortality After Cardiac Transplantation. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 3026-3035	15.1	13
104	Ambient air pollution is associated with cardiac repolarization abnormalities in healthy adults. <i>Environmental Research</i> , <b>2019</b> , 171, 239-246	7.9	18
103	Unenhanced Velocity-Selective MR Angiography (VS-MRA): Initial Clinical Evaluation in Patients With Peripheral Artery Disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 49, 744-751	5.6	4
102	The NIEHS TaRGET II Consortium and environmental epigenomics. <i>Nature Biotechnology</i> , <b>2018</b> , 36, 225-227	44.5	44
101	Prediabetes. <i>Canadian Journal of Cardiology</i> , <b>2018</b> , 34, 615-623	3.8	31
100	2017 ACC/AHA/AAPA/ABC/ACPM/AGS/APhA/ASH/ASPC/NMA/PCNA Guideline for the Prevention, Detection, Evaluation, and Management of High Blood Pressure in Adults. A report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. <i>Journal of the American Society of Hypertension</i> , <b>2018</b> , 12, 238		26
99	Incretin-based therapy in type 2 diabetes: An evidence based systematic review and meta-analysis. <i>Journal of Diabetes and Its Complications</i> , <b>2018</b> , 32, 113-122	3.2	21
98	Effect of Particulate Matter Air Pollution on Cardiovascular Oxidative Stress Pathways. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 28, 797-818	8.4	144
97	Cardiovascular evaluation and management of iron overload cardiomyopathy in sickle cell disease. <i>American Journal of Hematology</i> , <b>2018</b> , 93, E7-E9	7.1	8
96	Effects of gaseous and solid constituents of air pollution on endothelial function. <i>European Heart Journal</i> , <b>2018</b> , 39, 3543-3550	9.5	126
95	CITED2 Restrains Proinflammatory Macrophage Activation and Response. <i>Molecular and Cellular Biology</i> , <b>2018</b> , 38,	4.8	15

94	Cardiac Magnetic Resonance Fingerprinting: Technical Overview and Initial Results. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 1837-1853	8.4	25
93	Air Pollution and Cardiovascular Disease: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2054-2070	15.1	370
92	Air pollution health research priorities for India: Perspectives of the Indo-U.S. Communities of Researchers. <i>Environment International</i> , <b>2018</b> , 119, 100-108	12.9	41
91	Free breathing three-dimensional late gadolinium enhancement cardiovascular magnetic resonance using outer volume suppressed projection navigators. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1533-1543	4.4	10
90	Exposure to Concentrated Ambient PM2.5 Shortens Lifespan and Induces Inflammation-Associated Signaling and Oxidative Stress in Drosophila. <i>Toxicological Sciences</i> , <b>2017</b> , 156, 199-207	4.4	22
89	The Global Threat of Outdoor Ambient Air Pollution to Cardiovascular Health: Time for Intervention. <i>JAMA Cardiology</i> , <b>2017</b> , 2, 353-354	16.2	59
88	Overview of Coronary Heart Disease Risk Initiatives in South Asia. <i>Current Atherosclerosis Reports</i> , <b>2017</b> , 19, 25	6	7
87	Cardiovascular outcomes with an inhaled beta2-agonist/corticosteroid in patients with COPD at high cardiovascular risk. <i>Heart</i> , <b>2017</b> , 103, 1536-1542	5.1	34
86	The regulatory role of DPP4 in atherosclerotic disease. <i>Cardiovascular Diabetology</i> , <b>2017</b> , 16, 76	8.7	14
85	Design of the Magnetic Resonance Imaging Evaluation of Mineralocorticoid Receptor Antagonism in Diabetic Atherosclerosis (MAGMA) Trial. <i>Clinical Cardiology</i> , <b>2017</b> , 40, 633-640	3.3	6
84	Particulate Air pollution mediated effects on insulin resistance in mice are independent of CCR2. <i>Particle and Fibre Toxicology</i> , <b>2017</b> , 14, 6	8.4	26
83	Personal-level exposure to environmental temperature is a superior predictor of endothelial-dependent vasodilatation than outdoor-ambient level. <i>Journal of the American Society of Hypertension</i> , <b>2017</b> , 11, 746-753.e1		6
82	The Role of the Mineralocorticoid Receptor in Inflammation: Focus on Kidney and Vasculature. <i>American Journal of Nephrology</i> , <b>2017</b> , 46, 298-314	4.6	43
81	Air Pollution and Cardiometabolic Disease: An Update and Call for Clinical Trials. <i>American Journal of Hypertension</i> , <b>2017</b> , 31, 1-10	2.3	84
80	Inhalation Exposure to PM Counteracts Hepatic Steatosis in Mice Fed High-fat Diet by Stimulating Hepatic Autophagy. <i>Scientific Reports</i> , <b>2017</b> , 7, 16286	4.9	24
79	Cancer risks of anti-hyperglycemic drugs for type 2 diabetes treatment - a clinical appraisal. <i>Journal of Diabetes and Its Complications</i> , <b>2017</b> , 31, 1451-1457	3.2	2
78	CD8+ T Cells and Macrophages Regulate Pathogenesis in a Mouse Model of Middle East Respiratory Syndrome. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	40
77	Climate and environmental triggers of acute myocardial infarction. <i>European Heart Journal</i> , <b>2017</b> , 38, 955-960	9.5	58

76	Environmental stressors and cardio-metabolic disease: part I-epidemiologic evidence supporting a role for noise and air pollution and effects of mitigation strategies. <i>European Heart Journal</i> , <b>2017</b> , 38, 550-556	9.5	136
75	Environmental stressors and cardio-metabolic disease: part II-mechanistic insights. <i>European Heart Journal</i> , <b>2017</b> , 38, 557-564	9.5	149
74	Repeated ozone exposure exacerbates insulin resistance and activates innate immune response in genetically susceptible mice. <i>Inhalation Toxicology</i> , <b>2016</b> , 28, 383-92	2.7	24
73	Noncontrast-enhanced peripheral venography using velocity-selective magnetization preparation and transient balanced SSFP. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 653-64	4.4	1
72	"Eat me" imaging and therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 99, 2-11	18.5	33
71	GLP-1 Agonists and Blood Pressure: A Review of the Evidence. <i>Current Hypertension Reports</i> , <b>2016</b> , 18, 16	4.7	42
70	Extreme Air Pollution Conditions Adversely Affect Blood Pressure and Insulin Resistance: The Air Pollution and Cardiometabolic Disease Study. <i>Hypertension</i> , <b>2016</b> , 67, 77-85	8.5	94
69	Incretin-Based Therapy for Diabetes: What a Cardiologist Needs to Know. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 67, 1488-1496	15.1	27
68	Acute increase in blood pressure during inhalation of coarse particulate matter air pollution from an urban location. <i>Journal of the American Society of Hypertension</i> , <b>2016</b> , 10, 133-139.e4		28
67	Lipoicmethylenedioxyphenol Reduces Experimental Atherosclerosis through Activation of Nrf2 Signaling. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148305	3.7	8
66	Visceral Adipose MicroRNA 223 Is Upregulated in Human and Murine Obesity and Modulates the Inflammatory Phenotype of Macrophages. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165962	3.7	37
65	Identification and reduction of image artifacts in non-contrast-enhanced velocity-selective peripheral angiography at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 466-77	4.4	20
64	Letter by Gupta and Rajagopalan Regarding Article, "Coronary Heart Disease Mortality Declines in the United States From 1979 Through 2011: Evidence for Stagnation in Young Adults, Especially Women". <i>Circulation</i> , <b>2016</b> , 133, e432	16.7	
63	Subacute inhalation exposure to ozone induces systemic inflammation but not insulin resistance in a diabetic mouse model. <i>Inhalation Toxicology</i> , <b>2016</b> , 28, 155-63	2.7	12
62	Glycemia Lowering and Risk for Heart Failure: Recent Evidence from Studies of Dipeptidyl Peptidase Inhibition. <i>Circulation: Heart Failure</i> , <b>2015</b> , 8, 819-25	7.6	11
61	Ambient air pollution: an emerging risk factor for diabetes mellitus. <i>Current Diabetes Reports</i> , <b>2015</b> , 15, 603	5.6	68
60	Hybrid nanoparticles improve targeting to inflammatory macrophages through phagocytic signals. <i>Journal of Controlled Release</i> , <b>2015</b> , 217, 243-55	11.7	70
59	Exposure to fine airborne particulate matters induces hepatic fibrosis in murine models. <i>Journal of Hepatology</i> , <b>2015</b> , 63, 1397-404	13.4	89

58	Exposure to concentrated ambient particulate matter induces reversible increase of heart weight in spontaneously hypertensive rats. <i>Particle and Fibre Toxicology</i> , <b>2015</b> , 12, 15	8.4	27
57	Air pollution as a risk factor for type 2 diabetes. <i>Toxicological Sciences</i> , <b>2015</b> , 143, 231-41	4.4	74
56	Dpp4 inhibition as a therapeutic strategy in cardiometabolic disease: Incretin-dependent and -independent function. <i>International Journal of Cardiology</i> , <b>2015</b> , 197, 170-9	3.2	14
55	Combined effects of exposure to dim light at night and fine particulate matter on C3H/HeNHsd mice. <i>Behavioural Brain Research</i> , <b>2015</b> , 294, 81-8	3.4	26
54	Lipoprotein effects of incretin analogs and dipeptidyl peptidase 4 inhibitors. <i>Clinical Lipidology</i> , <b>2015</b> , 10, 103-112		12
53	The characteristics of coarse particulate matter air pollution associated with alterations in blood pressure and heart rate during controlled exposures. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2015</b> , 25, 153-9	6.7	14
52	Rapid assessment of quantitative T1, T2 and T2* in lower extremity muscles in response to maximal treadmill exercise. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 998-1008	4.4	31
51	Emerging utility of once-weekly exenatide in patients with type 2 diabetes. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2015</b> , 8, 505-12	3.4	3
50	Dipeptidyl Peptidase-4 Regulation of SDF-1/CXCR4 Axis: Implications for Cardiovascular Disease. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 477	8.4	49
49	Recent Advances in Dipeptidyl-Peptidase-4 Inhibition Therapy: Lessons from the Bench and Clinical Trials. <i>Journal of Diabetes Research</i> , <b>2015</b> , 2015, 606031	3.9	39
48	Exploration of the composition and sources of urban fine particulate matter associated with same-day cardiovascular health effects in Dearborn, Michigan. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2015</b> , 25, 145-52	6.7	17
47	Expert position paper on air pollution and cardiovascular disease. <i>European Heart Journal</i> , <b>2015</b> , 36, 83-93	8.5	445
46	Alpha-lipoic acid activates eNOS through activation of PI3-kinase/Akt signaling pathway. <i>Vascular Pharmacology</i> , <b>2015</b> , 64, 28-35	5.9	18
45	Exaggerated effects of particulate matter air pollution in genetic type II diabetes mellitus. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 27	8.4	61
44	Central IKK $\alpha$ inhibition prevents air pollution mediated peripheral inflammation and exaggeration of type II diabetes. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 53	8.4	61
43	Personal black carbon exposure influences ambulatory blood pressure: air pollution and cardiometabolic disease (AIRCMD-China) study. <i>Hypertension</i> , <b>2014</b> , 63, 871-7	8.5	58
42	CD36-dependent 7-ketocholesterol accumulation in macrophages mediates progression of atherosclerosis in response to chronic air pollution exposure. <i>Circulation Research</i> , <b>2014</b> , 115, 770-780	15.7	115
41	Air pollution-mediated susceptibility to inflammation and insulin resistance: influence of CCR2 pathways in mice. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 17-26	8.4	111



40	Hemodynamic, autonomic, and vascular effects of exposure to coarse particulate matter air pollution from a rural location. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 624-30	8.4	57
39	Long-term exposure to concentrated ambient PM2.5 increases mouse blood pressure through abnormal activation of the sympathetic nervous system: a role for hypothalamic inflammation. <i>Environmental Health Perspectives</i> , <b>2014</b> , 122, 79-86	8.4	119
38	Reduced metabolic insulin sensitivity following sub-acute exposures to low levels of ambient fine particulate matter air pollution. <i>Science of the Total Environment</i> , <b>2013</b> , 448, 66-71	10.2	127
37	Long-term fine particulate matter exposure and mortality from diabetes in Canada. <i>Diabetes Care</i> , <b>2013</b> , 36, 3313-20	14.6	119
36	Complete renin-angiotensin-aldosterone system (RAAS) blockade in high-risk patients: recent insights from renin blockade studies. <i>Hypertension</i> , <b>2013</b> , 62, 444-9	8.5	7
35	Aliskiren effect on plaque progression in established atherosclerosis using high resolution 3D MRI (ALPINE): a double-blind placebo-controlled trial. <i>Journal of the American Heart Association</i> , <b>2013</b> , 2, e004879	6	11
34	Air pollution and type 2 diabetes: mechanistic insights. <i>Diabetes</i> , <b>2012</b> , 61, 3037-45	0.9	298
33	Pulmonary T cell activation in response to chronic particulate air pollution. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2012</b> , 302, L399-409	5.8	41
32	Cardiovascular remodeling in response to long-term exposure to fine particulate matter air pollution. <i>Circulation: Heart Failure</i> , <b>2012</b> , 5, 452-61	7.6	106
31	THE INDOOR-OUTDOOR AIR-POLLUTION CONTINUUM AND THE BURDEN OF CARDIOVASCULAR DISEASE: AN OPPORTUNITY FOR IMPROVING GLOBAL HEALTH. <i>Global Heart</i> , <b>2012</b> , 7, 207-213	2.9	33
30	Household Air Pollution from Solid Fuel Use: Evidence for Links to CVD. <i>Global Heart</i> , <b>2012</b> , 7, 223-34	2.9	51
29	Perspectives on optimizing trial design and endpoints in peripheral arterial disease: a case for imaging-based surrogates as endpoints of functional efficacy. <i>Cardiology Clinics</i> , <b>2011</b> , 29, 419-31	2.5	3
28	"Environmental hypertensionology" the effects of environmental factors on blood pressure in clinical practice and research. <i>Journal of Clinical Hypertension</i> , <b>2011</b> , 13, 836-42	2.3	80
27	Ambient particulate air pollution induces oxidative stress and alterations of mitochondria and gene expression in brown and white adipose tissues. <i>Particle and Fibre Toxicology</i> , <b>2011</b> , 8, 20	8.4	126
26	Chronic fine particulate matter exposure induces systemic vascular dysfunction via NADPH oxidase and TLR4 pathways. <i>Circulation Research</i> , <b>2011</b> , 108, 716-26	15.7	217
25	Long-term exposure to ambient fine particulate pollution induces insulin resistance and mitochondrial alteration in adipose tissue. <i>Toxicological Sciences</i> , <b>2011</b> , 124, 88-98	4.4	184
24	Effect of early particulate air pollution exposure on obesity in mice: role of p47phox. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 2518-27	9.4	210
23	Particulate matter air pollution and cardiovascular disease: An update to the scientific statement from the American Heart Association. <i>Circulation</i> , <b>2010</b> , 121, 2331-78	16.7	4009

22	Particulate matter air pollution and atherosclerosis. <i>Current Atherosclerosis Reports</i> , <b>2010</b> , 12, 291-300	6	95
21	T1-weighted-SPACE dark blood whole body magnetic resonance angiography (DB-WBMRA): initial experience. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 31, 502-9	5.6	34
20	Ambient air pollution exaggerates adipose inflammation and insulin resistance in a mouse model of diet-induced obesity. <i>Circulation</i> , <b>2009</b> , 119, 538-46	16.7	484
19	Insights into the mechanisms and mediators of the effects of air pollution exposure on blood pressure and vascular function in healthy humans. <i>Hypertension</i> , <b>2009</b> , 54, 659-67	8.5	352
18	Initial feasibility of a multi-station high resolution three-dimensional dark blood angiography protocol for the assessment of peripheral arterial disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2009</b> , 30, 785-93	5.6	27
17	Particulate matter, air pollution, and blood pressure. <i>Journal of the American Society of Hypertension</i> , <b>2009</b> , 3, 332-50		202
16	Air pollution exposure potentiates hypertension through reactive oxygen species-mediated activation of Rho/ROCK. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 1760-6	9.4	171
15	Effects of valsartan alone versus valsartan/simvastatin combination on ambulatory blood pressure, C-reactive protein, lipoproteins, and monocyte chemoattractant protein-1 in patients with hyperlipidemia and hypertension. <i>American Journal of Cardiology</i> , <b>2007</b> , 100, 222-6	3	27
14	Angiotensin receptor blockade improves vascular compliance in healthy normotensive elderly individuals: results from a randomized double-blind placebo-controlled trial. <i>Journal of Clinical Hypertension</i> , <b>2006</b> , 8, 783-90	2.3	19
13	Acute blood pressure responses in healthy adults during controlled air pollution exposures. <i>Environmental Health Perspectives</i> , <b>2005</b> , 113, 1052-5	8.4	260
12	Long-term air pollution exposure and acceleration of atherosclerosis and vascular inflammation in an animal model. <i>JAMA - Journal of the American Medical Association</i> , <b>2005</b> , 294, 3003-10	27.4	600
11	Endothelial cell apoptosis in systemic lupus erythematosus: a common pathway for abnormal vascular function and thrombosis propensity. <i>Blood</i> , <b>2004</b> , 103, 3677-83	2.2	188
10	Effects of cilostazol in patients with Raynaud's syndrome. <i>American Journal of Cardiology</i> , <b>2003</b> , 92, 1310-5	3.5	42
9	Increased asymmetric dimethylarginine and endothelin 1 levels in secondary Raynaud's phenomenon: implications for vascular dysfunction and progression of disease. <i>Arthritis and Rheumatism</i> , <b>2003</b> , 48, 1992-2000		49
8	Aldosterone as a target in congestive heart failure. <i>Medical Clinics of North America</i> , <b>2003</b> , 87, 441-57	7	29
7	Regional Angiogenesis with Vascular Endothelial Growth Factor (VEGF) in peripheral arterial disease: Design of the RAVE trial. <i>American Heart Journal</i> , <b>2003</b> , 145, 1114-8	4.9	74
6	Regional angiogenesis with vascular endothelial growth factor in peripheral arterial disease: a phase II randomized, double-blind, controlled study of adenoviral delivery of vascular endothelial growth factor 121 in patients with disabling intermittent claudication. <i>Circulation</i> , <b>2003</b> , 108, 1933-8	16.7	472
5	Effect of losartan in aging-related endothelial impairment. <i>American Journal of Cardiology</i> , <b>2002</b> , 89, 562-6	3	47

4	Phase I study of direct administration of a replication deficient adenovirus vector containing the vascular endothelial growth factor cDNA (CI-1023) to patients with claudication. <i>American Journal of Cardiology</i> , <b>2002</b> , 90, 512-6	3	46
3	Inhalation of fine particulate air pollution and ozone causes acute arterial vasoconstriction in healthy adults. <i>Circulation</i> , <b>2002</b> , 105, 1534-6	16.7	611
2	Magnetic resonance angiographic techniques for the diagnosis of arterial disease. <i>Cardiology Clinics</i> , <b>2002</b> , 20, 501-12, v	2.5	22
1	Adenovirus-mediated gene transfer of VEGF(121) improves lower-extremity endothelial function and flow reserve. <i>Circulation</i> , <b>2001</b> , 104, 753-5	16.7	110