Particulate matter, air pollution, and blood pressure

DOI: 10.1016/j.jash.2009.08.005
Journal of the American Society of Hypertension, 2009 , 3, 332-50.

#	Paper	IF	Citations
227	Ultrafine particle-lung interactions: does size matter?. **2006**, 19, 74-83		253
226	Particulate matter, air pollution, and blood pressure. *Journal of the American Society of Hypertension*, **2009**, 3, 332-50		202
225	Particulate matter air pollution and cardiovascular disease: An update to the scientific statement from the American Heart Association. **2010**, 121, 2331-78		4009
224	Air pollution, platelet activation and atherosclerosis. **2010**, 9, 387-92		35
223	Evolution of the Air Toxics Under the Big Sky Program. **2011**, 88, 397-401		4
222	Current world literature. **2011**, 17, 126-30		
221	"Environmental hypertensionology" the effects of environmental factors on blood pressure in clinical practice and research. **2011**, 13, 836-42		80
220	Can personal exposures to higher nighttime and early-morning temperatures increase blood pressure?. **2011**, 13, 881-8		23
219	Source apportionment of fine particulate matter measured in an industrialized coastal urban area of South Texas. **2011**, 45, 3769-3776		50
218	The relationship of air pollution and surrogate markers of endothelial dysfunction in a population-based sample of children. **2011**, 11, 115		31
217	Effects of particulate air pollution on blood pressure in a highly exposed population in Beijing, China: a repeated-measure study. **2011**, 10, 108		67
216	Chronic cigarette smoking causes hypertension, increased oxidative stress, impaired NO bioavailability, endothelial dysfunction, and cardiac remodeling in mice. **2011**, 300, H388-96		176
215	Air pollution, blood pressure, and the risk of hypertensive complications during pregnancy: the generation R study. **2011**, 57, 406-12		83
214	Exploration of the rapid effects of personal fine particulate matter exposure on arterial hemodynamics and vascular function during the same day. **2011**, 119, 688-94		24
213	Dobutamine "stress" test and latent cardiac susceptibility to inhaled diesel exhaust in normal and hypertensive rats. **2012**, 120, 1088-93		20
212	Cardiovascular remodeling in response to long-term exposure to fine particulate matter air pollution. **2012**, 5, 452-61		106
211	Mechanisms linking traffic-related air pollution and atherosclerosis. **2012**, 18, 155-60		35

210	Protective effect of curcumin on pulmonary and cardiovascular effects induced by repeated exposure to diesel exhaust particles in mice. **2012**, 7, e39554		55
209	Air pollution and autonomic and vascular dysfunction in patients with cardiovascular disease: interactions of systemic inflammation, overweight, and gender. **2012**, 176, 117-26		86
208	Impact of personal and ambient-level exposures to nitrogen dioxide and particulate matter on cardiovascular function. **2012**, 22, 71-91		27
207	Short-term increase in particulate matter blunts nocturnal blood pressure dipping and daytime urinary sodium excretion. **2012**, 60, 1061-9		44
206	Divergent electrocardiographic responses to whole and particle-free diesel exhaust inhalation in spontaneously hypertensive rats. **2012**, 125, 558-68		31
205	Systemic health effects of carbon nanotubes following inhalation. 210-223		1
204	Particles, air quality, policy and health. **2012**, 41, 6606-30		454
203	Chronic air pollution exposure and endothelial dysfunction: what you can't see--can harm you. **2012** , 60, 2167-9		20
202	Acute changes in pulse pressure in relation to constituents of particulate air pollution in elderly persons. *Environmental Research*, **2012**, 117, 60-7	7.9	64
201	Ambient air pollution exposure and blood pressure changes during pregnancy. *Environmental Research*, **2012**, 117, 46-53	7.9	36
200	Even low levels of ambient air pollutants are associated with increased emergency department visits for hypertension. **2012**, 28, 360-6		33
199	Prohypertensive effect of gestational personal exposure to fine particulate matter. Prospective cohort study in non-smoking and non-obese pregnant women. **2012**, 12, 216-25		22
198	Chemical constituents of ambient particulate air pollution and biomarkers of inflammation, coagulation and homocysteine in healthy adults: a prospective panel study. **2012**, 9, 49		91
197	Effects of fresh and aged vehicular particulate emissions on blood pressure in normal adult male rats. **2013**, 6, 407-418		8
196	Reduced metabolic insulin sensitivity following sub-acute exposures to low levels of ambient fine particulate matter air pollution. *Science of the Total Environment*, **2013**, 448, 66-71	10.2	127
195	Air-Pollution and Cardiometabolic Diseases (AIRCMD): a prospective study investigating the impact of air pollution exposure and propensity for type II diabetes. *Science of the Total Environment*, **2013**, 448, 72-8	10.2	29
194	Prevention and endothelial therapy of coronary artery disease. **2013**, 13, 226-41		49
193	Blood pressure changes and chemical constituents of particulate air pollution: results from the healthy volunteer natural relocation (HVNR) study. **2013**, 121, 66-72		101

192	The emerging role of outdoor and indoor air pollution in cardiovascular disease. **2013**, 5, 445-53		59
191	Gestational diabetes and preeclampsia in association with air pollution at levels below current air quality guidelines. **2013**, 121, 488-93		104
190	DNA hypomethylation, ambient particulate matter, and increased blood pressure: findings from controlled human exposure experiments. **2013**, 2, e000212		151
189	Do psychosocial stress and social disadvantage modify the association between air pollution and blood pressure?: the multi-ethnic study of atherosclerosis. **2013**, 178, 1550-62		32
188	Hypotension and environmental noise: a replication study. *International Journal of Environmental Research and Public Health*, **2014**, 11, 8661-88	4.6	12
187	Estimating the global abundance of ground level presence of particulate matter (PM2.5). **2014**, 8, S611-30		53
186	Impact of particulate matter exposition on the risk of ischemic stroke: epidemiologic evidence and putative mechanisms. **2014**, 34, 215-20		10
185	Hemodynamic, autonomic, and vascular effects of exposure to coarse particulate matter air pollution from a rural location. **2014**, 122, 624-30		57
184	Associations between traffic noise, particulate air pollution, hypertension, and isolated systolic hypertension in adults: the KORA study. **2014**, 122, 492-8		81
183	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. **2014**, 122, 79-86		119
182	Pulmonary diesel particulate increases susceptibility to myocardial ischemia/reperfusion injury via activation of sensory TRPV1 and 1 adrenoreceptors. **2014**, 11, 12		48
181	Spatial association between ambient fine particulate matter and incident hypertension. **2014**, 129, 562-9		135
180	Effect of exposure to PM2.5 on blood pressure: a systematic review and meta-analysis. **2014**, 32, 2130-40; discussion 2141		116
179	Ultrafine carbon black attenuates the antihypertensive effect of captopril in spontaneously hypertensive rats. **2014**, 26, 853-60		3
178	Residential proximity to major roadways and prevalent hypertension among postmenopausal women: results from the Women's Health Initiative San Diego Cohort. **2014**, 3, e000727		28
177	Direct and indirect air particle cytotoxicity in human alveolar epithelial cells. **2014**, 28, 796-802		22
176	Multiple exposures to airborne pollutants and hospital admissions due to diseases of the circulatory system in Santiago de Chile. *Science of the Total Environment*, **2014**, 468-469, 746-56	10.2	24
175	Comorbidities and systemic effects of chronic obstructive pulmonary disease. **2014**, 35, 101-30		58

174	The associations between traffic-related air pollution and noise with blood pressure in children: results from the GINIplus and LISAplus studies. **2014**, 217, 499-505		59
173	Multilayer paper-based device for colorimetric and electrochemical quantification of metals. **2014**, 86, 3555-62		256
172	Fine particulate matter air pollution and blood pressure: the modifying role of psychosocial stress. *Environmental Research*, **2014**, 133, 195-203	7.9	28
171	Road traffic noise and hypertension--accounting for the location of rooms. *Environmental Research*, **2014**, 133, 380-7	7.9	36
170	Ambient Air Pollution and Hypertensive Disorders of Pregnancy: A Systematic Review and Meta-analysis. **2014**, 97, 336-345		61
169	Myocardial infarction and occupational exposure to motor exhaust: a population-based case-control study in Sweden. **2014**, 29, 517-25		6
168	Fine particulate matter results in hemodynamic changes in subjects with blunted nocturnal blood pressure dipping. *Environmental Research*, **2014**, 131, 1-5	7.9	10
167	Systematic review and metaanalysis of air pollution exposure and risk of diabetes. **2014**, 29, 231-42		69
166	Using Machine Learning to Estimate Global PM2.5 for Environmental Health Studies. **2015**, 9, 41-52		45
165	A cross-sectional analysis of polycyclic aromatic hydrocarbons and diesel particulate matter exposures and hypertension among individuals of Mexican origin. **2015**, 14, 51		26
164	PM2.5 and Diabetes and Hypertension Incidence in the Black Women's Health Study. **2016**, 27, 202-10		56
163	Particulate matter air pollution and ambient temperature: opposing effects on blood pressure in high-risk cardiac patients. **2015**, 33, 2032-8		27
162	DNA Hypomethylation, Ambient Particulate Matter, and Increased Blood Pressure: Findings From Controlled Human Exposure Experiments. **2015**, 4, e001981		2
161	Does ambient temperature interact with air pollution to alter blood pressure? A repeated-measure study in healthy adults. **2015**, 33, 2414-21		19
160	Effects of weather and heliophysical conditions on emergency ambulance calls for elevated arterial blood pressure. *International Journal of Environmental Research and Public Health*, **2015**, 12, 2622-38	4.6	10
159	Association of PNC, BC, and PM2.5 measured at a central monitoring site with blood pressure in a predominantly near highway population. *International Journal of Environmental Research and Public Health*, **2015**, 12, 2765-80	4.6	37
158	Associations between Long-Term Air Pollutant Exposures and Blood Pressure in Elderly Residents of Taipei City: A Cross-Sectional Study. **2015**, 123, 779-84		55
157	A Randomized Cross-over Air Filtration Intervention Trial for Reducing Cardiovascular Health Risks in Residents of Public Housing near a Highway. *International Journal of Environmental Research and Public Health*, **2015**, 12, 7814-38	4.6	23

156	Air Pollution Exposure and Blood Pressure: An Updated Review of the Literature. **2016**, 22, 28-51		147
155	Health Effects of Indoor Air Pollution Due to Cooking with Biomass Fuel. **2015**, 267-302		2
154	Short-term exposure to noise, fine particulate matter and nitrogen oxides on ambulatory blood pressure: A repeated-measure study. *Environmental Research*, **2015**, 140, 634-40	7.9	32
153	Prenatal air pollution exposure and newborn blood pressure. **2015**, 123, 353-9		46
152	Associations between size-fractionated particulate air pollution and blood pressure in a panel of type II diabetes mellitus patients. *Environment International*, **2015**, 80, 19-25	12.9	27
151	Air Pollution and Emergency Department Visits for Hypertension in Edmonton and Calgary, Canada: A Case-Crossover Study. **2015**, 28, 1121-6		35
150	Effect of indoor air pollution from biomass and solid fuel combustion on symptoms of preeclampsia/eclampsia in Indian women. *Indoor Air*, **2015**, 25, 341-52	5.4	55
149	Sustained use of biogas fuel and blood pressure among women in rural Nepal. *Environmental Research*, **2015**, 136, 343-51	7.9	27
148	Relationships between fine particulate air pollution, cardiometabolic disorders, and cardiovascular mortality. **2015**, 116, 108-15		241
147	Role of autonomic reflex arcs in cardiovascular responses to air pollution exposure. **2015**, 15, 69-78		69
146	Temporal variation in the acute effects of air pollution on blood pressure measured at admission to labor/delivery. **2015**, 8, 13-28		
145	Potential Harmful Effects of PM2.5 on Occurrence and Progression of Acute Coronary Syndrome: Epidemiology, Mechanisms, and Prevention Measures. *International Journal of Environmental Research and Public Health*, **2016**, 13,	4.6	45
144	Built environment and health: a systematic review of studies in Germany. **2018**, 40, 8-15		26
143	A panel study of the acute effects of personal exposure to household air pollution on ambulatory blood pressure in rural Indian women. *Environmental Research*, **2016**, 147, 331-42	7.9	40
142	European Heart Rhythm Association (EHRA)/European Association of Cardiovascular Prevention and Rehabilitation (EACPR) position paper on how to prevent atrial fibrillation endorsed by the Heart Rhythm Society (HRS) and Asia Pacific Heart Rhythm Society (APHRS). **2017**, 19, 190-225		44
141	Are Internalized Metals a Long-term Health Hazard for Military Veterans?. **2016**, 131, 831-833		5
140	Insulin sensitizers prevent fine particulate matter-induced vascular insulin resistance and changes in endothelial progenitor cell homeostasis. **2016**, 310, H1423-38		34
139	Associations of Short-Term and Long-Term Exposure to Ambient Air Pollutants With Hypertension: A Systematic Review and Meta-Analysis. **2016**, 68, 62-70		167

138	Repeating cardiopulmonary health effects in rural North Carolina population during a second large peat wildfire. **2016**, 15, 12		40
137	MicroRNAs are associated with blood-pressure effects of exposure to particulate matter: Results from a mediated moderation analysis. *Environmental Research*, **2016**, 146, 274-81	7.9	19
136	Particulate matter cytotoxicity in cultured SH-SY5Y cells is modulated by simvastatin: Toxicological assessment for oxidative damage. **2016**, 53, 108-114		10
135	Air Pollution-Induced Vascular Dysfunction: Potential Role of Endothelin-1 (ET-1) System. **2016**, 16, 260-75		27
134	Extreme Air Pollution Conditions Adversely Affect Blood Pressure and Insulin Resistance: The Air Pollution and Cardiometabolic Disease Study. **2016**, 67, 77-85		94
133	A study of the association between atmospheric particulate matter and blood pressure in the population. **2016**, 25, 169-76		12
132	A hybrid prediction model for PM2.5 mass and components using a chemical transport model and land use regression. **2016**, 131, 390-399		92
131	Association of Carbon Monoxide exposure with blood pressure among pregnant women in rural Ghana: Evidence from GRAPHS. **2016**, 219, 176-83		39
130	Acute increase in blood pressure during inhalation of coarse particulate matter air pollution from an urban location. *Journal of the American Society of Hypertension*, **2016**, 10, 133-139.e4		28
129	Modifying porous carbon nanofibers with MnOxCeO2Al2O3 mixed oxides for NO catalytic oxidation at room temperature. **2016**, 6, 422-425		17
128	Comparative plasma proteomic studies of pulmonary TiO2 nanoparticle exposure in rats using liquid chromatography tandem mass spectrometry. **2016**, 130, 85-93		11
127	The Environment and Blood Pressure. **2017**, 35, 213-221		22
126	A joint ERS/ATS policy statement: what constitutes an adverse health effect of air pollution? An analytical framework. **2017**, 49,		230
125	Vitamin D status and calcium intake in systemic inflammation, insulin resistance and the metabolic syndrome: An update on current evidence. **2017**, 62, 79-90		6
124	Ambient Air Pollution and Risk of Gestational Hypertension. **2017**, 186, 334-343		19
123	Indoor air pollution and its association with poor lung function, microalbuminuria and variations in blood pressure among kitchen workers in India: a cross-sectional study. **2017**, 16, 33		22
122	The role of pro-/anti-inflammation imbalance in A42 accumulation of rat brain co-exposed to fine particle matter and sulfur dioxide. **2017**, 27, 568-574		11
121	Long-Term Effects of Ambient PM on Hypertension and Blood Pressure and Attributable Risk Among Older Chinese Adults. **2017**, 69, 806-812		116

120	Occupational exposure to particles and mitochondrial DNA - relevance for blood pressure. **2017**, 16, 22		26
119	Fine particulate matter constituents and blood pressure in patients with chronic obstructive pulmonary disease: A panel study in Shanghai, China. *Environmental Research*, **2017**, 159, 291-296	7.9	26
118	Air Pollution and Children's Health in Chinese. **2017**, 1017, 153-180		7
117	Ambient Air Pollution and Health Impact in China. **2017**,		3
116	Role of oxidative stress in cardiovascular disease outcomes following exposure to ambient air pollution. **2017**, 110, 345-367		79
115	Histone 3 modifications and blood pressure in the Beijing Truck Driver Air Pollution Study. **2017**, 22, 584-593		12
114	Oxidative Stress and Cardiovascular Risk: Obesity, Diabetes, Smoking, and Pollution: Part 3 of a 3-Part Series. **2017**, 70, 230-251		164
113	Arterial blood pressure responses to short-term exposure to fine and ultrafine particles from indoor sources - A randomized sham-controlled exposure study of healthy volunteers. *Environmental Research*, **2017**, 158, 225-232	7.9	19
112	European Heart Rhythm Association (EHRA)/European Association of Cardiovascular Prevention and Rehabilitation (EACPR) position paper on how to prevent atrial fibrillation endorsed by the Heart Rhythm Society (HRS) and Asia Pacific Heart Rhythm Society (APHRS). **2017**, 24, 4-40		43
111	Environmental Exposures and Cardiovascular Disease: A Challenge for Health and Development in Low- and Middle-Income Countries. **2017**, 35, 71-86		55
110	Ambulatory monitoring demonstrates an acute association between cookstove-related carbon monoxide and blood pressure in a Ghanaian cohort. **2017**, 16, 76		21
109	Air Pollution and Elderly. **2018**, 187-214		1
108	Cardiopulmonary effects of overnight indoor air filtration in healthy non-smoking adults: A double-blind randomized crossover study. *Environment International*, **2018**, 114, 27-36	12.9	63
107	Global association between ambient air pollution and blood pressure: A systematic review and meta-analysis. **2018**, 235, 576-588		210
106	Household air pollution and measures of blood pressure, arterial stiffness and central haemodynamics. **2018**, 104, 1515-1521		41
105	Association between gaseous air pollution and hospital admissions for hypertension in Taipei, Taiwan. **2018**, 81, 53-59		14
104	[Air pollution, cardiovascular risk and hypertension]. **2018**, 35, 177-184		6
103	Predicting Daily Urban Fine Particulate Matter Concentrations Using a Random Forest Model. **2018**, 52, 4173-4179		85

102	Ambient air pollution and cardiovascular diseases: From bench to bedside. **2018**, 25, 818-825		33
101	Associations between maternal exposure to incense burning and blood pressure during pregnancy. *Science of the Total Environment*, **2018**, 610-611, 1421-1427	10.2	11
100	Cardiorespiratory Effects of Air Pollution in a Panel Study of Winter Outdoor Physical Activity in Older Adults. **2018**, 60, 673-682		13
99	Responses of healthy young males to fine-particle exposure are modified by exercise habits: a panel study. **2018**, 17, 88		16
98	Air Pollution Cardiovascular Disease. **2018**, 480-513		2
97	Longitudinal Analysis of Long-Term Air Pollution Levels and Blood Pressure: A Cautionary Tale from the Multi-Ethnic Study of Atherosclerosis. **2018**, 126, 107003		17
96	An Overview of Dynamic Heterogeneous Oxidations in the Troposphere. **2018**, 5, 104		22
95	Air Pollution and Cardiovascular Disease: A Focus on Vulnerable Populations Worldwide. **2018**, 5, 370-378		33
94	Impact of Obesity and Ozone on the Association Between Particulate Air Pollution and Cardiovascular Disease and Stroke Mortality Among US Adults. **2018**, 7,		19
93	The Environment and High Blood Pressure. **2018**, 71-75		
92	Short-Term Changes in Weather and Space Weather Conditions and Emergency Ambulance Calls for Elevated Arterial Blood Pressure. **2018**, 9, 114		4
91	Effect on blood pressure and eye health symptoms in a climate-financed randomized cookstove intervention study in rural India. *Environmental Research*, **2018**, 166, 658-667	7.9	11
90	Short-term effects of physical activity, air pollution and their interaction on the cardiovascular and respiratory system. *Environment International*, **2018**, 117, 82-90	12.9	60
89	Lack of association between particulate air pollution and blood glucose levels and diabetic status in peri-urban India. *Environment International*, **2019**, 131, 105033	12.9	9
88	Oxidative Stress Reduction (Prong-3). **2019**, 139-254		
87	Susceptibility of prediabetes to the health effect of air pollution: a community-based panel study with a nested case-control design. **2019**, 18, 65		19
86	Dynamic Changes in Long-Term Exposure to Ambient Particulate Matter and Incidence of Hypertension in Adults. **2019**, 74, 669-677		26
85	Acute Effects of High-Level PM Exposure on Central Blood Pressure. **2019**, 74, 1349-1356		10

84	Short-term effects of ambient particulate matter on blood pressure among children and adolescents:A cross-sectional study in a city of Yangtze River delta, China. *Chemosphere*, **2019**, 237, 124510	8.4	17
83	Dynamic inspection of a rail profile under affine distortion based on the reweighted-scaling iterative closest point method. **2019**, 30, 115202		1
82	Air pollution and cardiovascular disease: car sick. **2020**, 116, 279-294		47
81	Contributions of artifactual materials to the toxicity of anthropogenic soils and street dusts in a highly urbanized terrain. **2019**, 255, 113350		14
80	The influence of the North Atlantic Oscillation index on arterial blood pressure. **2019**, 37, 513-521		4
79	[Breathing: Ambient Air Pollution and Health - Part II]. **2019**, 73, 347-373		3
78	AMPK activation attenuates inflammatory response to reduce ambient PM-induced metabolic disorders in healthy and diabetic mice. **2019**, 179, 290-300		17
77	Analyzing the social impacts of scooters with geo-spatial methods. **2019**, 242, 529-538		5
76	Exposure to air pollution is associated with adverse cardiopulmonary health effects in international travellers. **2019**, 26,		16
75	Personal exposure to PM constituents associated with gestational blood pressure and endothelial dysfunction. **2019**, 250, 346-356		29
74	Urban air quality and health: two steps forward, one step back. **2019**, 53,		6
73	Environmental Contaminants Exposure and Preterm Birth: A Systematic Review. **2019**, 7,		20
72	Persistent elevation of blood pressure by ambient coarse particulate matter after recovery from pulmonary inflammation in mice. **2019**, 34, 814-824		6
71	Effects of abdominal visceral fat compared with those of subcutaneous fat on the association between PM and hypertension in Korean men: A cross-sectional study. **2019**, 9, 5951		4
70	Metabolic Syndrome and Air Pollution: A Narrative Review of Their Cardiopulmonary Effects. **2019**, 7,		14
69	Adverse Effects of Exposure to Fine Particulate Matters and Ozone on Gestational Hypertension. **2019**, 39, 1019-1028		1
68	Ambient Particulate Air Pollution and Blood Pressure in Peri-urban India. **2019**, 30, 492-500		25
67	Relationships between indicators of cardiovascular disease and intensity of oil and natural gas activity in Northeastern Colorado. *Environmental Research*, **2019**, 170, 56-64	7.9	22

66	Interactions of CDH13 gene polymorphisms and ambient PM air pollution exposure with blood pressure and hypertension in Korean men. *Chemosphere*, **2019**, 218, 292-298	8.4	8
65	Ambient air pollution as a mediator in the pathway linking race/ethnicity to blood pressure elevation: The multi-ethnic study of atherosclerosis (MESA). *Environmental Research*, **2020**, 180, 108776	7.9	12
64	Oxidative stress and the cardiovascular effects of air pollution. **2020**, 151, 69-87		57
63	Association between urinary polycyclic aromatic hydrocarbons and hypertension in the Korean population: data from the Second Korean National Environmental Health Survey (2012-2014). **2020**, 10, 17142		5
62	Exposure to urban particulate matter and its association with human health risks. *Environmental Science and Pollution Research*, **2020**, 27, 27491-27506	5.1	24
61	Association between the incidence of acute respiratory diseases in children and ambient concentrations of SO, PM and chemical elements in fine particles. *Environmental Research*, **2020**, 188, 109619	7.9	9
60	Ambient air pollutants aggravate association of snoring with prevalent hypertension: results from the Henan Rural Cohort. *Chemosphere*, **2020**, 256, 127108	8.4	5
59	Indoor air pollution concentrations and cardiometabolic health across four diverse settings in Peru: a cross-sectional study. **2020**, 19, 59		9
58	Experimental and computational study on the microwave energy based regeneration in diesel particulate filter for exhaust emission control. **2020**, 93, 2133-2147		8
57	The association between short-term residential black carbon concentration on blood pressure in a general population sample. *Indoor Air*, **2020**, 30, 767-775	5.4	8
56	Evidence linking air pollution and blood pressure mediated by body weight in China. **2020**, 13, 585-592		2
55	Traffic-Related Air Pollution and Carotid Plaque Burden in a Canadian City With Low-Level Ambient Pollution. **2020**, 9, e013400		10
54	Long-term exposure to airborne particulate matter of 1□h or less and blood pressure in healthy young adults: A national study with 1.2 million pregnancy planners. *Environmental Research*, **2020**, 184, 109113	7.9	4
53	THE INDOOR-OUTDOOR AIR-POLLUTION CONTINUUM AND THE BURDEN OF CARDIOVASCULAR DISEASE: AN OPPORTUNITY FOR IMPROVING GLOBAL HEALTH. **2012**, 7, 207-213		33
52	Long-term air pollution exposure and self-reported morbidity: A longitudinal analysis from the Thai cohort study (TCS). *Environmental Research*, **2021**, 192, 110330	7.9	5
51	Hypothalamic-pituitary-adrenal axis mediates ambient PM exposure-induced pulmonary inflammation. **2021**, 208, 111464		4
50	The impact on heart rate and blood pressure following exposure to ultrafine particles from cooking using an electric stove. *Science of the Total Environment*, **2021**, 750, 141334	10.2	5
49	Long-term effects of ambient PM2.5 on hypertension in multi-ethnic population from Sichuan province, China: a study based on 2013 and 2018 health service surveys. *Environmental Science and Pollution Research*, **2021**, 28, 5991-6004	5.1	5

48	Environmental Factors Involved in Maternal Morbidity and Mortality. **2021**, 30, 245-252		6
47	Pharmacological inhibition of PAI-1 alleviates cardiopulmonary pathologies induced by exposure to air pollutants PM2.5.		
46	The Benefits of Intensive Versus Standard Blood Pressure Treatment According to Fine Particulate Matter Air Pollution Exposure: A Post Hoc Analysis of SPRINT. **2021**, 77, 813-822		3
45	Residential proximity to greenness mitigates the hemodynamic effects of ambient air pollution. **2021**, 320, H1102-H1111		8
44	Long-Term Air Pollution and Blood Pressure in an African American Cohort: the Jackson Heart Study. **2021**, 60, 397-405		3
43	Hypertension in the United States Fire Service. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
42	Concentration-dependent health effects of air pollution in controlled human exposures. *Environment International*, **2021**, 150, 106424	12.9	11
41	Impact of short- and long-term exposure to air pollution on blood pressure: A two-decade population-based study in Tehran. **2021**, 234, 113719		3
40	Fine particulate matter (PM) inhalation-induced alterations in the plasma lipidome as promoters of vascular inflammation and insulin resistance. **2021**, 320, H1836-H1850		8
39	Short-Term Effects of Particle Size and Constituents on Blood Pressure in Healthy Young Adults in Guangzhou, China. **2021**, 10, e019063		5
38	Air pollution and cardiovascular disease: Can the Australian bushfires and global COVID-19 pandemic of 2020 convince us to change our ways?. **2021**, 43, e2100046		5
37	Air pollution and retinal vessel diameter and blood pressure in school-aged children in a region impacted by residential biomass burning. **2021**, 11, 12790		2
36	Impacts of Short-Term Fine Particulate Matter Exposure on Blood Pressure Were Modified by Control Status and Treatment in Hypertensive Patients. **2021**, 78, 174-183		2
35	Ambient air pollution and inflammatory effects in a Canadian pregnancy cohort.. **2021**, 5, e168		0
34	Associations between ambient air pollutants and blood pressure among children and adolescents: A systemic review and meta-analysis. *Science of the Total Environment*, **2021**, 785, 147279	10.2	6
33	The cardiovascular effects of air pollution: Prevention and reversal by pharmacological agents. **2021**, 107996		1
32	Particulate respirator use and blood pressure: A systematic review and meta-analysis. **2021**, 286, 117574		
31	Pharmacological inhibition of PAI-1 alleviates cardiopulmonary pathologies induced by exposure to air pollutants PM. **2021**, 287, 117283		2

30	Particulate Matter and Oxidative Stress Pulmonary and Cardiovascular Targets and Consequences. **2014**, 1557-1586		6
29	A Cross-Sectional Study of the Cardiovascular Effects of Welding Fumes. **2015**, 10, e0131648		27
28	Residential Air Pollution, Road Traffic, Greenness and Maternal Hypertension: Results from GINIplus and LISAplus. **2017**, 8, 131-142		18
27	The Effects of Social, Personal, and Behavioral Risk Factors and PM on Cardio-Metabolic Disparities in a Cohort of Community Health Center Patients. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	9
26	Effects of Noise Pollution from Electric Backup Generators on the Operators Health. *Pertanika Journal of Science and Technology*, **2021**, 29,	1.1	0
25	The association between urinary metabolites of polycyclic aromatic hydrocarbons (PAHs) and cardiovascular diseases and blood pressure: a systematic review and meta-analysis of observational studies. *Environmental Science and Pollution Research*, **2021**, 1	5.1	1
24	INFLUENCE OF SHORT-TERM AIR POLLUTION WITH CARBON MONOXIDE ON THE RISK OF AMBULANCE CALL-OUTS RELATED TO ARTERIAL HYPERTENSION / TRUMPALAIKIS ORO TAR OS ANGLIES MONOKSIDU POVEIKIS GREITOSIOS MEDICINOS PAGALBOS I KVIETIM DL ARTERIN S HIPERTENZIJOS RIZIKA. *Science: Future of Lithuania*, **2015**, 7, 385-391	0	0
23	Where to Breathe in India ?. *SSRN Electronic Journal*,	1	
22	Fine particulate matter and vasoactive 20-hydroxyeicosatetraenoic acid: Insights into the mechanisms of the prohypertensive effects of particulate air pollution. *Science of the Total Environment*, **2022**, 806, 151298	10.2	1
21	Evidence from toxicological and mechanistic studies. **2020**, 229-279		0
20	Effects of AIR pollution on cardiopuLmonary disEaSe in urban and peri-urban reSidents in Beijing: protocol for the AIRLESS study. *Atmospheric Chemistry and Physics*, **2020**, 20, 15775-15792	6.8	6
19	Vitamin D intake modifies the association of household air pollution exposure with maternal disorders of pregnancy. *Indoor Air*, **2021**,	5.4	0
18	Short-Term Cumulative Exposure to Ambient Traffic-Related Black Carbon and Blood Pressure: MMDA Traffic Enforcers' Health Study. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	0
17	Short term exposure to ambient air pollutants and cardiovascular emergency department visits in Mexico city.. *Environmental Research*, **2022**, 207, 112600	7.9	0
16	Dietary nitrate intake and vegetable consumption, ambient particulate matter, and risk of hypertension in the Nurses' Health study.. *Environment International*, **2022**, 161, 107100	12.9	0
15	Associations of genetic risk factors and air pollution with incident hypertension among participants in the UK Biobank study.. *Chemosphere*, **2022**, 299, 134398	8.4	0
14	Real-Time Size-Fractioned Particulate Air Pollution and Blood Pressure Among Healthy Adults: A Repeated-Measure Panel Study. *SSRN Electronic Journal*,	1	
13	Synergism of Cell Adhesion Regulatory Genes and Instant Air Pollutants on Blood Pressure Elevation. *SSRN Electronic Journal*,	1	

12	Occupational exposure to particles and biomarkers of cardiovascular disease during work and after vacation. *International Archives of Occupational and Environmental Health*,	3.2
11	Heat Wave and Bushfire Meteorology in New South Wales, Australia: Air Quality and Health Impacts. **2022**, 19, 10388	0
10	Residential indoor exposure to fine and ultrafine particulate air pollution in association with blood pressure and subclinical central haemodynamic markers of cardiovascular risk among healthy adults living in Perth, Western Australia.	0
9	Synergism of cell adhesion regulatory genes and instant air pollutants on blood pressure elevation. **2022**, 136992	0
8	Biomass using tribal women exhibited respiratory symptoms, hypertensive risks and abnormal pulmonary function. **2023**, 311, 136995	0
7	Effects of PM 2.5 exposure on metabolic dysfunction during pregnancy via personalized measurement of pollutant concentration in South Korea: A multicenter prospective cohort, air pollution on pregnancy outcome (APPO) study.	0
6	Association between smoking and hypertension under different PM2.5 and green space exposure: A nationwide cross-sectional study. 10,	0
5	Pollution and cardiovascular health: A contemporary review of morbidity and implications for planetary health. **2023**, 25, 100231	0
4	Short-term Air Pollution Levels and Blood Pressure in Older Women. **2023**, 34, 271-281	0
3	Pre- and postnatal particulate matter exposure and blood pressure in children and adolescents: A systematic review and meta-analysis. **2023**, 115373	0
2	Systematic Evaluation of Four Satellite AOD Datasets for Estimating PM2.5 Using a Random Forest Approach. **2023**, 15, 2064	0
1	Short-term association between air pollution and hypertension mortality in Wuhan residents.	0