

# Aruni Bhatnagar

## 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.

300  
papers

17,989  
citations

66  
h-index

124  
g-index

332  
ext. papers

21,036  
ext. citations

6.2  
avg. IF

6.88  
L-index

#	Paper	IF	Citations
300	Environmental exposure to volatile organic compounds is associated with endothelial injury.. <i>Toxicology and Applied Pharmacology</i> , <b>2022</b> , 437, 115877	4.6	1
299	SARS-CoV-2 RNA abundance in wastewater as a function of distinct urban sewershed size. <i>Environmental Science: Water Research and Technology</i> , <b>2022</b> , 8, 807-819	4.2	0
298	Mortality risk associated with greenness, air pollution, and physical activity in a representative U.S. cohort.. <i>Science of the Total Environment</i> , <b>2022</b> , 824, 153848	10.2	2
297	Pyridine nucleotide redox potential in coronary smooth muscle couples myocardial blood flow to cardiac metabolism.. <i>Nature Communications</i> , <b>2022</b> , 13, 2051	17.4	0
296	E-cigarette Use and Risk of Cardiovascular Disease: A Longitudinal Analysis of the PATH Study, 2013-2019.. <i>Circulation</i> , <b>2022</b> ,	16.7	4
295	The Rapid Assessment of Aggregated Wastewater Samples for Genomic Surveillance of SARS-CoV-2 on a City-Wide Scale. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	1
294	Cardiovascular Effects of Particulate Air Pollution. <i>Annual Review of Medicine</i> , <b>2021</b> ,	17.4	1
293	Subclinical markers of cardiovascular toxicity of benzene inhalation in mice. <i>Toxicology and Applied Pharmacology</i> , <b>2021</b> , 431, 115742	4.6	1
292	Residential proximity to greenness mitigates the hemodynamic effects of ambient air pollution. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H1102-H1111	5.2	8
291	Cardiorespiratory and Immunologic Effects of Electronic Cigarettes. <i>Current Addiction Reports</i> , <b>2021</b> , 8, 1-11	3.9	9
290	Cigarette Smoking, Incident Coronary Heart Disease, and Coronary Artery Calcification in Black Adults: The Jackson Heart Study. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e017320	6	3
289	Electronic cigarette solvents, pulmonary irritation, and endothelial dysfunction: role of acetaldehyde and formaldehyde. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H1510-H1525	5.2	8
288	Exposure to volatile organic compounds - acrolein, 1,3-butadiene, and crotonaldehyde - is associated with vascular dysfunction. <i>Environmental Research</i> , <b>2021</b> , 196, 110903	7.9	11
287	Lipid profiles in users of combustible and electronic cigarettes. <i>Vascular Medicine</i> , <b>2021</b> , 26, 483-488	3.3	4
286	Tobacco Use Prevalence and Transitions From 2013 to 2018 Among Adults With a History of Cardiovascular Disease. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e021118	6	1
285	Omega-3 polyunsaturated fatty acids modify the inverse association between systemic inflammation and cardiovascular fitness. <i>Clinical Nutrition</i> , <b>2021</b> , 40, 4097-4105	5.9	1
284	Racial/Ethnic Differences in Associations of Non-cigarette Tobacco Product Use With Subsequent Initiation of Cigarettes in US Youths. <i>Nicotine and Tobacco Research</i> , <b>2021</b> , 23, 900-908	4.9	7

283	Smoking Accelerates Atrioventricular Conduction in Humans Concordant with Increased Dopamine Release. <i>Cardiovascular Toxicology</i> , <b>2021</b> , 21, 169-178	3.4	3
282	Wastewater Surveillance Can Have a Second Act in COVID-19 Vaccine Distribution. <i>JAMA Health Forum</i> , <b>2021</b> , 2, e201616	2	17
281	Association of Cigarette and Electronic Cigarette Use Patterns With Levels of Inflammatory and Oxidative Stress Biomarkers Among US Adults: Population Assessment of Tobacco and Health Study. <i>Circulation</i> , <b>2021</b> , 143, 869-871	16.7	17
280	E-Cigarettes and Cardiopulmonary Health. <i>Function</i> , <b>2021</b> , 2, zqab004	6.1	8
279	Evidence and magnitude of the effects of meteorological changes on SARS-CoV-2 transmission. <i>PLoS ONE</i> , <b>2021</b> , 16, e0246167	3.7	5
278	Myocardial Blood Flow Control by Oxygen Sensing Vascular Kv $\beta$ Proteins. <i>Circulation Research</i> , <b>2021</b> , 128, 738-751	15.7	1
277	High-throughput sequencing of SARS-CoV-2 in wastewater provides insights into circulating variants. <i>Water Research</i> , <b>2021</b> , 205, 117710	12.5	25
276	Physiological and Pathological Roles of Aldose Reductase. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	6
275	Serological assessment of SARS-CoV-2 infection during the first wave of the pandemic in Louisville Kentucky. <i>Scientific Reports</i> , <b>2021</b> , 11, 18285	4.9	0
274	Cannabis vaping among adults in the United States: Prevalence, trends, and association with high-risk behaviors and adverse respiratory conditions. <i>Preventive Medicine</i> , <b>2021</b> , 153, 106800	4.3	0
273	Greenness, air pollution, and mortality risk: A U.S. cohort study of cancer patients and survivors. <i>Environment International</i> , <b>2021</b> , 157, 106797	12.9	4
272	Urinary Levels of the Acrolein Conjugates of Carnosine Are Associated with Cardiovascular Disease Risk. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
271	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
270	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
269	Cardiospecific Overexpression of ATPGD1 (Carnosine Synthase) Increases Histidine Dipeptide Levels and Prevents Myocardial Ischemia Reperfusion Injury. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e015222	6	10
268	E-Cigarette Use Patterns and High-Risk Behaviors in Pregnancy: Behavioral Risk Factor Surveillance System, 2016-2018. <i>American Journal of Preventive Medicine</i> , <b>2020</b> , 59, 187-195	6.1	18
267	Acute and chronic vascular effects of inhaled crotonaldehyde in mice: Role of TRPA1. <i>Toxicology and Applied Pharmacology</i> , <b>2020</b> , 402, 115120	4.6	7
266	Alterations in Vascular Function Associated With the Use of Combustible and Electronic Cigarettes. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e014570	6	18

265	The Enzymatic Function of K V $\alpha$ Contributes to Resistance Artery Vasodilation. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
264	Protocol to assess the efficacy of carnosine supplementation in mitigating the adverse cardiovascular responses to particulate matter (PM) exposure: the Nucleophilic Defense Against PM Toxicity (NEAT) trial. <i>BMJ Open</i> , <b>2020</b> , 10, e039118	3	0
263	Exposure to airborne fine particulate matter is associated with impaired endothelial function and biomarkers of oxidative stress and inflammation. <i>Environmental Research</i> , <b>2020</b> , 180, 108890	7.9	20
262	Association Between E-Cigarette Use and Chronic Obstructive Pulmonary Disease by Smoking Status: Behavioral Risk Factor Surveillance System 2016 and 2017. <i>American Journal of Preventive Medicine</i> , <b>2020</b> , 58, 336-342	6.1	26
261	Association between residential greenness and exposure to volatile organic compounds. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 135435	10.2	15
260	National secular trends in ambient air volatile organic compound levels and biomarkers of exposure in the United States. <i>Environmental Research</i> , <b>2020</b> , 182, 108991	7.9	10
259	The role and function of $\text{IKK}\alpha$ in monocyte impairment. <i>Scientific Reports</i> , <b>2020</b> , 10, 12222	4.9	1
258	Prevalence, Trends, and Distribution of Nicotine and Marijuana use in E-cigarettes among US adults: The Behavioral Risk Factor Surveillance System 2016-2018. <i>Preventive Medicine</i> , <b>2020</b> , 139, 106175	4.3	18
257	Statistical design of Phase II/III clinical trials for testing therapeutic interventions in COVID-19 patients. <i>BMC Medical Research Methodology</i> , <b>2020</b> , 20, 220	4.7	3
256	Space Flight Diet-Induced Deficiency and Response to Gravity-Free Resistive Exercise. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2
255	Urinary levels of the acrolein conjugates of carnosine are associated with inhaled toxicants. <i>Inhalation Toxicology</i> , <b>2020</b> , 32, 468-476	2.7	2
254	Characterization of Volatile Organic Compound Metabolites in Cigarette Smokers, Electronic Nicotine Device Users, Dual Users, and Nonusers of Tobacco. <i>Nicotine and Tobacco Research</i> , <b>2020</b> , 22, 264-272	4.9	28
253	Green environments and cardiovascular health. <i>Trends in Cardiovascular Medicine</i> , <b>2020</b> , 30, 241-246	6.9	18
252	Association of Electronic Cigarette Use With Incident Respiratory Conditions Among US Adults From 2013 to 2018. <i>JAMA Network Open</i> , <b>2020</b> , 3, e2020816	10.4	29
251	Comparative effects of parent and heated cinnamaldehyde on the function of human iPSC-derived cardiac myocytes. <i>Toxicology in Vitro</i> , <b>2019</b> , 61, 104648	3.6	5
250	Association of Electronic Cigarette Use With Subsequent Initiation of Tobacco Cigarettes in US Youths. <i>JAMA Network Open</i> , <b>2019</b> , 2, e187794	10.4	143
249	Cigarette Smoking and Subclinical Peripheral Arterial Disease in Blacks of the Jackson Heart Study. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e010674	6	14
248	Modeling Cardiovascular Risks of E-Cigarettes With Human-Induced Pluripotent Stem Cell-Derived Endothelial Cells. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 2722-2737	15.1	52

247	Is There A Role for Electronic Cigarettes in Tobacco Cessation?. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e012742	6	19
246	Biochemical and physiological properties of K channel-associated AKR6A (Kv $\beta$ ) proteins. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 305, 21-27	5	2
245	Inhibition of aldose reductase activity stimulates starvation induced autophagy and clears aldehyde protein adducts. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 306, 104-109	5	4
244	Relation Between Cigarette Smoking and Heart Failure (from the Multiethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , <b>2019</b> , 123, 1972-1977	3	7
243	Association Between E-Cigarette Use and Cardiovascular Disease Among Never and Current Combustible-Cigarette Smokers. <i>American Journal of Medicine</i> , <b>2019</b> , 132, 949-954.e2	2.4	77
242	Water Pipe (Hookah) Smoking and Cardiovascular Disease Risk: A Scientific Statement From the American Heart Association. <i>Circulation</i> , <b>2019</b> , 139, e917-e936	16.7	56
241	New and Emerging Tobacco Products and the Nicotine Endgame: The Role of Robust Regulation and Comprehensive Tobacco Control and Prevention: A Presidential Advisory From the American Heart Association. <i>Circulation</i> , <b>2019</b> , 139, e937-e958	16.7	42
240	Cardiovascular injury induced by tobacco products: assessment of risk factors and biomarkers of harm. A Tobacco Centers of Regulatory Science compilation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H801-H827	5.2	31
239	TRPA1 channel contributes to myocardial ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H889-H899	5.2	30
238	E-cigarette initiation and associated changes in smoking cessation and reduction: the Population Assessment of Tobacco and Health Study, 2013-2015. <i>Tobacco Control</i> , <b>2019</b> , 28, 42-49	5.3	94
237	Comparison of Urinary Biomarkers of Exposure in Humans Using Electronic Cigarettes, Combustible Cigarettes, and Smokeless Tobacco. <i>Nicotine and Tobacco Research</i> , <b>2019</b> , 21, 1228-1238	4.9	43
236	Carnosine Supplementation Enhances Post Ischemic Hind Limb Revascularization. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 751	4.6	6
235	Carnosine Supplementation Mitigates the Deleterious Effects of Particulate Matter Exposure in Mice. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e013041	6	13
234	Exercise Promotes Resolution of Acute Inflammation by Catecholamine-Mediated Stimulation of Resolvin D1 Biosynthesis. <i>Journal of Immunology</i> , <b>2019</b> , 203, 3013-3022	5.3	9
233	Metabolic regulation of Kv channels and cardiac repolarization by Kv $\beta$ subunits. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 137, 93-106	5.8	7
232	Acute exposure to air pollution is associated with novel changes in blood levels of endothelin-1 and circulating angiogenic cells in young, healthy adults. <i>AIMS Environmental Science</i> , <b>2019</b> , 6, 265-276	1.9	3
231	Acetaldehyde Induces an Endothelium-Dependent Relaxation of Superior Mesenteric Artery: Potential Role in Postprandial Hyperemia. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1315	4.6	7
230	Association Between e-Cigarette Use and Depression in the Behavioral Risk Factor Surveillance System, 2016-2017. <i>JAMA Network Open</i> , <b>2019</b> , 2, e1916800	10.4	41

229	Association between serum cotinine levels and electrocardiographic left atrial abnormality. <i>Annals of Noninvasive Electrocardiology</i> , <b>2019</b> , 24, e12586	1.5	3
228	Carnosine protects cardiac myocytes against lipid peroxidation products. <i>Amino Acids</i> , <b>2019</b> , 51, 123-138	3.5	32
227	Benzene Exposure Induces Insulin Resistance in Mice. <i>Toxicological Sciences</i> , <b>2019</b> , 167, 426-437	4.4	13
226	E-Cigarette Use Without a History of Combustible Cigarette Smoking Among U.S. Adults: Behavioral Risk Factor Surveillance System, 2016. <i>Annals of Internal Medicine</i> , <b>2019</b> , 170, 76-79	8	23
225	Nicotine Metabolism in Adults With Type 2 Diabetes. <i>Nicotine and Tobacco Research</i> , <b>2019</b> , 21, 846-849	4.9	8
224	Systemic Toxicity of Smokeless Tobacco Products in Mice. <i>Nicotine and Tobacco Research</i> , <b>2019</b> , 21, 101-110	11.0	15
223	Cigarette Smoking and Incident Heart Failure: Insights From the Jackson Heart Study. <i>Circulation</i> , <b>2018</b> , 137, 2572-2582	16.7	51
222	Deficiency of aldose reductase exacerbates early pressure overload-induced cardiac dysfunction and autophagy in mice. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2018</b> , 118, 183-192	5.8	15
221	Protocol to assess the impact of tobacco-induced volatile organic compounds on cardiovascular risk in a cross-sectional cohort: Cardiovascular Injury due to Tobacco Use study. <i>BMJ Open</i> , <b>2018</b> , 8, e019850 <sup>3</sup>		10
220	Defining the Human Envirome: An Omics Approach for Assessing the Environmental Risk of Cardiovascular Disease. <i>Circulation Research</i> , <b>2018</b> , 122, 1259-1275	15.7	27
219	ROLE OF THIOLS IN OXIDATIVE STRESS. <i>Current Opinion in Toxicology</i> , <b>2018</b> , 7, 133-139	4.4	66
218	Electronic cigarette-generated aldehydes: The contribution of e-liquid components to their formation and the use of urinary aldehyde metabolites as biomarkers of exposure. <i>Aerosol Science and Technology</i> , <b>2018</b> , 52, 1219-1232	3.4	35
217	Prevalence and Distribution of E-Cigarette Use Among U.S. Adults: Behavioral Risk Factor Surveillance System, 2016. <i>Annals of Internal Medicine</i> , <b>2018</b> , 169, 429-438	8	198
216	Flavorings in Tobacco Products Induce Endothelial Cell Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 1607-1615	9.4	57
215	Inhalation of Fine Particulate Matter Impairs Endothelial Progenitor Cell Function Via Pulmonary Oxidative Stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 131-142	9.4	47
214	Association Between Residential Greenness and Cardiovascular Disease Risk. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e009117	6	65
213	Comprehensive, robust, and sensitive UPLC-MS/MS analysis of free biogenic monoamines and their metabolites in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1099, 83-91	3.2	16
212	Cardiac mesenchymal cells from diabetic mice are ineffective for cell therapy-mediated myocardial repair. <i>Basic Research in Cardiology</i> , <b>2018</b> , 113, 46	11.8	36

211	Circulating angiogenic stem cells in type 2 diabetes are associated with glycemic control and endothelial dysfunction. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205851	3.7	16
210	Cardiovascular Effects and Benefits of Exercise. <i>Frontiers in Cardiovascular Medicine</i> , <b>2018</b> , 5, 135	5.4	176
209	Glutathione S-transferase P deficiency induces glucose intolerance via JNK-dependent enhancement of hepatic gluconeogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 315, E1005-E1018	6	8
208	The relationship between smoking intensity and subclinical cardiovascular injury: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , <b>2017</b> , 258, 119-130	3.1	51
207	Are Electronic Cigarette Users at Increased Risk for Cardiovascular Disease?. <i>JAMA Cardiology</i> , <b>2017</b> , 2, 237-238	16.2	8
206	Aldose reductase (AKR1B) deficiency promotes phagocytosis in bone marrow derived mouse macrophages. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 265, 16-23	5	9
205	Heteromeric complexes of aldo-keto reductase auxiliary K $\beta$ subunits (AKR6A) regulate sarcolemmal localization of K1.5 in coronary arterial myocytes. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 276, 210-217	5	9
204	Biomarkers of Chronic Acrolein Inhalation Exposure in Mice: Implications for Tobacco Product-Induced Toxicity. <i>Toxicological Sciences</i> , <b>2017</b> , 158, 263-274	4.4	25
203	Biomarkers of exposure to new and emerging tobacco delivery products. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 313, L425-L452	5.8	56
202	Kv $\beta$ 1.1 (AKR6A8) senses pyridine nucleotide changes in the mouse heart and modulates cardiac electrical activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H571-H583	5.2	12
201	Systems characterization of differential plasma metabolome perturbations following thrombotic and non-thrombotic myocardial infarction. <i>Journal of Proteomics</i> , <b>2017</b> , 160, 38-46	3.9	11
200	Response by Bhatnagar to Letter Regarding Article, "Environmental Determinants of Cardiovascular Disease". <i>Circulation Research</i> , <b>2017</b> , 121, e81-e82	15.7	1
199	Exercise-Induced Changes in Glucose Metabolism Promote Physiological Cardiac Growth. <i>Circulation</i> , <b>2017</b> , 136, 2144-2157	16.7	63
198	Integration of flux measurements to resolve changes in anabolic and catabolic metabolism in cardiac myocytes. <i>Biochemical Journal</i> , <b>2017</b> , 474, 2785-2801	3.8	36
197	Environmental Determinants of Cardiovascular Disease. <i>Circulation Research</i> , <b>2017</b> , 121, 162-180	15.7	160
196	Associations of Cigarette Smoking With Subclinical Inflammation and Atherosclerosis: ELSA-Brasil (The Brazilian Longitudinal Study of Adult Health). <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	45
195	Distribution based nearest neighbor imputation for truncated high dimensional data with applications to pre-clinical and clinical metabolomics studies. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 114	3.6	32
194	Identification of a plasma metabolomic signature of thrombotic myocardial infarction that is distinct from non-thrombotic myocardial infarction and stable coronary artery disease. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175591	3.7	20

193	Benzene exposure is associated with cardiovascular disease risk. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183602	3.7	27
192	Presence of multiple coronary angiographic characteristics for the diagnosis of acute coronary thrombus. <i>Cardiology Journal</i> , <b>2017</b> , 24, 25-34	1.4	9
191	Anti-inflammatory effects of miR-21 in the macrophage response to peritonitis. <i>Journal of Leukocyte Biology</i> , <b>2016</b> , 99, 361-71	6.5	58
190	Measurement of Reactive Oxygen Species, Reactive Nitrogen Species, and Redox-Dependent Signaling in the Cardiovascular System: A Scientific Statement From the American Heart Association. <i>Circulation Research</i> , <b>2016</b> , 119, e39-75	15.7	214
189	Exposure to Fine Particulate Air Pollution Is Associated With Endothelial Injury and Systemic Inflammation. <i>Circulation Research</i> , <b>2016</b> , 119, 1204-1214	15.7	331
188	Deletion of Kv $\beta$ .1 subunit leads to electrical and haemodynamic changes causing cardiac hypertrophy in female murine hearts. <i>Experimental Physiology</i> , <b>2016</b> , 101, 494-508	2.4	13
187	Cigarette Smoking and Chronic Kidney Disease in African Americans in the Jackson Heart Study. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	37
186	E-Cigarettes and Cardiovascular Disease Risk: Evaluation of Evidence, Policy Implications, and Recommendations. <i>Current Cardiovascular Risk Reports</i> , <b>2016</b> , 10, 1	0.9	42
185	Insulin sensitizers prevent fine particulate matter-induced vascular insulin resistance and changes in endothelial progenitor cell homeostasis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H1423-38	5.2	34
184	Circulating levels of plasminogen and oxidized phospholipids bound to plasminogen distinguish between atherothrombotic and non-atherothrombotic myocardial infarction. <i>Journal of Thrombosis and Thrombolysis</i> , <b>2016</b> , 42, 61-76	5.1	19
183	Tobacco Use, Insulin Resistance, and Risk of Type 2 Diabetes: Results from the Multi-Ethnic Study of Atherosclerosis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157592	3.7	27
182	Exposure to Fine Particulate Air Pollution Causes Vascular Insulin Resistance by Inducing Pulmonary Oxidative Stress. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 1830-1839	8.4	131
181	FVB/NJ Mice Are a Useful Model for Examining Cardiac Adaptations to Treadmill Exercise. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 636	4.6	14
180	Carnosine and anserine homeostasis in skeletal muscle and heart is controlled by Alanine transamination. <i>Journal of Physiology</i> , <b>2016</b> , 594, 4849-63	3.9	35
179	Bone marrow cell characteristics associated with patient profile and cardiac performance outcomes in the LateTIME-Cardiovascular Cell Therapy Research Network (CCTRN) trial. <i>American Heart Journal</i> , <b>2016</b> , 179, 142-50	4.9	14
178	TNF receptor signaling inhibits cardiomyogenic differentiation of cardiac stem cells and promotes a neuroadrenergic-like fate. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 311, H1189-H1201	5.2	9
177	Identification of Bone Marrow Cell Subpopulations Associated With Improved Functional Outcomes in Patients With Chronic Left Ventricular Dysfunction: An Embedded Cohort Evaluation of the FOCUS-CCTRN Trial. <i>Cell Transplantation</i> , <b>2016</b> , 25, 1675-1687	4	23
176	Type 2 Diabetes Dysregulates Glucose Metabolism in Cardiac Progenitor Cells. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 13634-48	5.4	30



175	Evidence-Based Policy Making: Assessment of the American Heart Association's Strategic Policy Portfolio: A Policy Statement From the American Heart Association. <i>Circulation</i> , <b>2016</b> , 133, e615-53	16.7	24
174	CCR7 Maintains Nonresolving Lymph Node and Adipose Inflammation in Obesity. <i>Diabetes</i> , <b>2016</b> , 65, 2268-81	0.9	25
173	Enhanced Integrin $\alpha 1$ -Mediated Adhesion Contributes to a Mobilization Defect of Endothelial Progenitor Cells in Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 3505-3515	0.9	13
172	Resolvin D2 Enhances Postischemic Revascularization While Resolving Inflammation. <i>Circulation</i> , <b>2016</b> , 134, 666-680	16.7	62
171	Genetic Deficiency of Glutathione S-Transferase P Increases Myocardial Sensitivity to Ischemia-Reperfusion Injury. <i>Circulation Research</i> , <b>2015</b> , 117, 437-49	15.7	29
170	Glutathione S-transferase P protects against cyclophosphamide-induced cardiotoxicity in mice. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 285, 136-48	4.6	30
169	Guidance to employers on integrating e-cigarettes/electronic nicotine delivery systems into tobacco worksite policy. <i>Journal of Occupational and Environmental Medicine</i> , <b>2015</b> , 57, 334-43	2	5
168	Residential Proximity to Major Roadways Is Associated With Increased Levels of AC133+ Circulating Angiogenic Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 2468-77	9.4	29
167	Induction of activating transcription factor 3 limits survival following infarct-induced heart failure in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 309, H1326-35	5.2	12
166	Modulation of tumorigenesis by the pro-inflammatory microRNA miR-301a in mouse models of lung cancer and colorectal cancer. <i>Cell Discovery</i> , <b>2015</b> , 1, 15005	22.3	25
165	Glutamine Regulates Cardiac Progenitor Cell Metabolism and Proliferation. <i>Stem Cells</i> , <b>2015</b> , 33, 2613-2758	3.8	40
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19	Modification of aldose reductase by S-nitrosoglutathione. <i>Biochemistry</i> , <b>1997</b> , 36, 15801-9	3.2	44
18	Contribution of osmotic changes to disintegrative globulization of single cortical fibers isolated from rat lens. <i>Experimental Eye Research</i> , <b>1997</b> , 65, 267-75	3.7	27
17	Active site modification of aldose reductase by nitric oxide donors. <i>BBA - Proteins and Proteomics</i> , <b>1997</b> , 1341, 217-22		18
16	Attenuation of 4-hydroxynonenal-induced cataractogenesis in rat lens by butylated hydroxytoluene. <i>Current Eye Research</i> , <b>1996</b> , 15, 749-54	2.9	20
15	Calcium-mediated disintegrative globulization of isolated ocular lens fibers mimics cataractogenesis. <i>Experimental Eye Research</i> , <b>1995</b> , 61, 303-10	3.7	24
14	Attenuation of reperfusion injury by the antioxidant n-propyl gallate. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 26, 343-7	3.1	7

13	Electrophysiological effects of 4-hydroxynonenal, an aldehydic product of lipid peroxidation, on isolated rat ventricular myocytes. <i>Circulation Research</i> , <b>1995</b> , 76, 293-304	15.7	58
12	Biochemical mechanism of irreversible cell injury caused by free radical-initiated reactions. <i>Molecular and Cellular Biochemistry</i> , <b>1994</b> , 137, 9-16	4.2	28
11	Human placental aldose reductase: role of Cys-298 in substrate and inhibitor binding. <i>BBA - Proteins and Proteomics</i> , <b>1994</b> , 1205, 207-14		31
10	Digital image analysis of cultured rat lens during oxidative stress-induced cataractogenesis. <i>Experimental Eye Research</i> , <b>1993</b> , 57, 385-91	3.7	10
9	Effect of extracellular ions and modulators of calcium transport on survival of tert-butyl hydroperoxide exposed cardiac myocytes. <i>Cardiovascular Research</i> , <b>1993</b> , 27, 1873-81	9.9	14
8	Does sorbinil bind to the substrate binding site of aldose reductase?. <i>Biochemical Pharmacology</i> , <b>1992</b> , 44, 2427-9	6	23
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6	Human liver aldehyde reductase: pH dependence of steady-state kinetic parameters. <i>Archives of Biochemistry and Biophysics</i> , <b>1991</b> , 287, 329-36	4.1	7
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4	The effect of oxidants on biomembranes and cellular metabolism. <i>Molecular and Cellular Biochemistry</i> , <b>1989</b> , 91, 149-57	4.2	39
3	Functional cysteinyl residues in human placental aldose reductase. <i>Archives of Biochemistry and Biophysics</i> , <b>1989</b> , 275, 112-21	4.1	24
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1	Evidence for the involvement of histidine at the active site of glutathione S-transferase psi from human liver. <i>Biochemical and Biophysical Research Communications</i> , <b>1987</b> , 143, 965-70	3.4	49