

Constantinos Sioutas

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.

328 papers	23,526 citations	77 h-index	141 g-index
347 ext. papers	25,709 ext. citations	5.7 avg, IF	6.82 L-index

#	Paper	IF	Citations
328	Quantifying ambient concentrations of primary and secondary organic aerosol in central Los Angeles using an integrated approach coupling source apportionment with regression analysis. <i>Atmospheric Environment</i> , 2022 , 268, 118807	5.3	1
327	Impact of different sources on the oxidative potential of ambient particulate matter PM in Riyadh, Saudi Arabia: A focus on dust emissions. <i>Science of the Total Environment</i> , 2022 , 806, 150590	10.2	2
326	Real-time measurements of mineral dust concentration in coarse particulate matter (PM10 _{2.5}) by employing a novel optical-based technique in Los Angeles. <i>Science of the Total Environment</i> , 2022 , 838, 156215	10.2	0
325	Air Pollution Particulate Matter Amplifies White Matter Vascular Pathology and Demyelination Caused by Hypoperfusion. <i>Frontiers in Immunology</i> , 2021 , 12, 785519	8.4	2
324	Long-term trends in concentrations and sources of PM2.5-bound metals and elements in central Los Angeles. <i>Atmospheric Environment</i> , 2021 , 253, 118361	5.3	12
323	Urban Air Pollution Nanoparticles from Los Angeles: Recently Decreased Neurotoxicity. <i>Journal of Alzheimer's Disease</i> , 2021 , 82, 307-316	4.3	2
322	Nanoparticulate matter exposure results in white matter damage and an inflammatory microglial response in an experimental murine model. <i>PLoS ONE</i> , 2021 , 16, e0253766	3.7	3
321	Iron Speciation in Particulate Matter (PM) from Urban Los Angeles Using Spectro-microscopy Methods. <i>Atmospheric Environment</i> , 2021 , 245, 117988-117988	5.3	9
320	Association of systemic inflammation and coagulation biomarkers with source-specific PM mass concentrations among young and elderly subjects in central Tehran. <i>Journal of the Air and Waste Management Association</i> , 2021 , 71, 191-208	2.4	3
319	The impact of stay-home policies during Coronavirus-19 pandemic on the chemical and toxicological characteristics of ambient PM in the metropolitan area of Milan, Italy. <i>Science of the Total Environment</i> , 2021 , 758, 143582	10.2	12
318	Long-term trends in the contribution of PM sources to organic carbon (OC) in the Los Angeles basin and the effect of PM emission regulations. <i>Faraday Discussions</i> , 2021 , 226, 74-99	3.6	10
317	Cerebral cortex and blood transcriptome changes in mouse neonates prenatally exposed to air pollution particulate matter. <i>Journal of Neurodevelopmental Disorders</i> , 2021 , 13, 30	4.6	0
316	Air Pollution Particulate Matter Exposure and Chronic Cerebral Hypoperfusion and Measures of White Matter Injury in a Murine Model. <i>Environmental Health Perspectives</i> , 2021 , 129, 87006	8.4	3
315	Alterations to the urinary metabolome following semi-controlled short exposures to ultrafine particles at a major airport. <i>International Journal of Hygiene and Environmental Health</i> , 2021 , 237, 113803	6.9	9
314	Are standardized diesel exhaust particles (DEP) representative of ambient particles in air pollution toxicological studies?. <i>Science of the Total Environment</i> , 2021 , 788, 147854	10.2	4
313	Assessment of air quality in car cabin in and around Paris from on-board measurements and comparison with 2007 data. <i>Journal of Aerosol Science</i> , 2021 , 158, 105822	4.3	5
312	Adult mouse hippocampal transcriptome changes associated with long-term behavioral and metabolic effects of gestational air pollution toxicity. <i>Translational Psychiatry</i> , 2020 , 10, 218	8.6	12

311	Evaluation of a high flow rate electrostatic precipitator (ESP) as a particulate matter (PM) collector for toxicity studies. <i>Science of the Total Environment</i> , 2020 , 739, 140060	10.2	12
310	Relative contributions of a major international airport activities and other urban sources to the particle number concentrations (PNCs) at a nearby monitoring site. <i>Environmental Pollution</i> , 2020 , 260, 114027	9.3	11
309	Toxicity of urban air pollution particulate matter in developing and adult mouse brain: Comparison of total and filter-eluted nanoparticles. <i>Environment International</i> , 2020 , 136, 105510	12.9	36
308	Positive matrix factorization of ultrafine particle mass (PM) at three sites in California. <i>Science of the Total Environment</i> , 2020 , 715, 136902	10.2	9
307	Mouse brain transcriptome responses to inhaled nanoparticulate matter differed by sex and in interactions. <i>ELife</i> , 2020 , 9,	8.9	12
306	Land use regression models for ultrafine particles, fine particles, and black carbon in Southern California. <i>Science of the Total Environment</i> , 2020 , 699, 134234	10.2	19
305	Day-of-week patterns for ultrafine particulate matter components at four sites in California. <i>Atmospheric Environment</i> , 2020 , 222, 117088	5.3	1
304	Impact of secondary and primary particulate matter (PM) sources on the enhanced light absorption by brown carbon (BrC) particles in central Los Angeles. <i>Science of the Total Environment</i> , 2020 , 705, 135902	10.2	18
303	Semi-volatile components of PM in an urban environment: volatility profiles and associated oxidative potential. <i>Atmospheric Environment</i> , 2020 , 223,	5.3	17
302	Effects of ambient particulate matter on vascular tissue: a review. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2020 , 23, 319-350	8.6	26
301	An Embryonic Zebrafish Model to Screen Disruption of Gut-Vascular Barrier upon Exposure to Ambient Ultrafine Particles. <i>Toxics</i> , 2020 , 8,	4.7	1
300	The impact of biomass burning on the oxidative potential of PM _{2.5} in the metropolitan area of Milan. <i>Atmospheric Environment</i> , 2020 , 224, 117328	5.3	19
299	Characterization of organic compounds and oxidative potential of aqueous PM _{2.5} suspensions collected via an aerosol-into-liquid collector for use in toxicology studies. <i>Atmospheric Environment</i> , 2020 , 241, 117839	5.3	4
298	A regulatory T cell Notch4-GDF15 axis licenses tissue inflammation in asthma. <i>Nature Immunology</i> , 2020 , 21, 1359-1370	19.1	27
297	An aerosol concentrator/diffusion battery tandem to concentrate and separate ambient accumulation mode particles for evaluating their toxicological properties. <i>Atmospheric Environment</i> , 2019 , 213, 81-89	5.3	7
296	Ultrafine particles and PM in the air of cities around the world: Are they representative of each other?. <i>Environment International</i> , 2019 , 129, 118-135	12.9	57
295	Sources and Temporal Variations of Coarse Particulate Matter (PM) in Central Tehran, Iran. <i>Atmosphere</i> , 2019 , 10, 291	2.7	10
294	Spatial trends and sources of PM _{2.5} organic carbon volatility fractions (OC _x) across the Los Angeles Basin. <i>Atmospheric Environment</i> , 2019 , 209, 201-211	5.3	17

293	Air Pollution Alters <i>Caenorhabditis elegans</i> Development and Lifespan: Responses to Traffic-Related Nanoparticulate Matter. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1189-1197	6.4	15
292	Development of a novel aerosol generation system for conducting inhalation exposures to ambient particulate matter (PM). <i>Science of the Total Environment</i> , 2019 , 665, 1035-1045	10.2	13
291	Effects of air pollution on mitochondrial function, mitochondrial DNA methylation, and mitochondrial peptide expression. <i>Mitochondrion</i> , 2019 , 46, 22-29	4.9	44
290	Cell-based assays that predict in vivo neurotoxicity of urban ambient nano-sized particulate matter. <i>Free Radical Biology and Medicine</i> , 2019 , 145, 33-41	7.8	19
289	Age-specific seasonal associations between acute exposure to PM _{2.5} sources and cardiorespiratory hospital admissions in California. <i>Atmospheric Environment</i> , 2019 , 218, 117029	5.3	8
288	Evidence for Nanoparticle-Induced Lysosomal Dysfunction in Lung Adenocarcinoma (A549) Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
287	Versatile aerosol concentration enrichment system (VACES) operating as a cloud condensation nuclei (CCN) concentrator: development and laboratory characterization. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4733-4744	4	3
286	Exposure to Nanoscale Particulate Matter from Gestation to Adulthood Impairs Metabolic Homeostasis in Mice. <i>Scientific Reports</i> , 2019 , 9, 1816	4.9	13
285	Source apportionment of black carbon (BC) from fossil fuel and biomass burning in metropolitan Milan, Italy. <i>Atmospheric Environment</i> , 2019 , 203, 252-261	5.3	33
284	NOVEL GAMMA-SECRETASE MODULATOR REGULATES APP PROCESSING AND INFLAMMATORY RESPONSES IN NPM-EXPOSED MICE. <i>Innovation in Aging</i> , 2019 , 3, S93-S93	0.1	78
283	CAENORHABDITIS ELEGANS AS A MODEL OF AIR POLLUTION TOXICITY DURING DEVELOPMENT AND LIFESPAN. <i>Innovation in Aging</i> , 2019 , 3, S97-S97	0.1	78
282	Source apportionment of the oxidative potential of fine ambient particulate matter (PM) in Athens, Greece. <i>Science of the Total Environment</i> , 2019 , 653, 1407-1416	10.2	34
281	Seasonal and Annual Source Appointment of Carbonaceous Ultrafine Particulate Matter (PM) in Polluted California Cities. <i>Environmental Science & Technology</i> , 2019 , 53, 39-49	10.3	12
280	Impact of emissions from the Ports of Los Angeles and Long Beach on the oxidative potential of ambient PM measured across the Los Angeles County. <i>Science of the Total Environment</i> , 2019 , 651, 638-647	10.2	16
279	Source apportionment of ambient PM in two locations in central Tehran using the Positive Matrix Factorization (PMF) model. <i>Science of the Total Environment</i> , 2018 , 628-629, 672-686	10.2	80
278	A Jagged 1-Notch 4 molecular switch mediates airway inflammation induced by ultrafine particles. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 1243-1256.e17	11.5	22
277	Ambient ultrafine particles activate human monocytes: Effect of dose, differentiation state and age of donors. <i>Environmental Research</i> , 2018 , 161, 314-320	7.9	4
276	Aging attenuates redox adaptive homeostasis and proteostasis in female mice exposed to traffic-derived nanoparticles ('vehicular smog'). <i>Free Radical Biology and Medicine</i> , 2018 , 121, 86-97	7.8	29

275	Ultrafine Particle Exposure Reveals the Importance of FOXO1/Notch Activation Complex for Vascular Regeneration. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 1209-1223	8.4	11
274	Cause-specific stillbirth and exposure to chemical constituents and sources of fine particulate matter. <i>Environmental Research</i> , 2018 , 160, 358-364	7.9	25
273	Chemical composition and redox activity of PM near Los Angeles International Airport and comparisons to an urban traffic site. <i>Science of the Total Environment</i> , 2018 , 610-611, 1336-1346	10.2	19
272	Pro-inflammatory responses to PM from airport and urban traffic emissions. <i>Science of the Total Environment</i> , 2018 , 640-641, 997-1003	10.2	21
271	Source-specific lung cancer risk assessment of ambient PM-bound polycyclic aromatic hydrocarbons (PAHs) in central Tehran. <i>Environment International</i> , 2018 , 120, 321-332	12.9	92
270	Associations of Source-apportioned Fine Particles with Cause-specific Mortality in California. <i>Epidemiology</i> , 2018 , 29, 639-648	3.1	15
269	Oxidative Potential of Ambient Particulate Matter in Beirut during Saharan and Arabian Dust Events. <i>Atmospheric Environment</i> , 2018 , 188, 34-42	5.3	16
268	Diurnal variation in the proinflammatory activity of urban fine particulate matter (PM) by assays. <i>F1000Research</i> , 2018 , 7, 596	3.6	3
267	Commuting in Los Angeles: Cancer and Non-cancer Health Risks of Roadway, Light-Rail and Subway Transit Routes. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 2363-2374	4.6	15
266	Diurnal variation in the proinflammatory activity of urban fine particulate matter (PM _{2.5}) by in vitro assays. <i>F1000Research</i> , 2018 , 7, 596	3.6	2
265	Comparison of the oxidative potential of primary (POA) and secondary (SOA) organic aerosols derived from Pinene and gasoline engine exhaust precursors. <i>F1000Research</i> , 2018 , 7, 1031	3.6	2
264	Comparison of the oxidative potential of primary (POA) and secondary (SOA) organic aerosols derived from Pinene and gasoline engine exhaust precursors. <i>F1000Research</i> , 2018 , 7, 1031	3.6	2
263	Diurnal and seasonal trends and source apportionment of redox-active metals in Los Angeles using a novel online metal monitor and Positive Matrix Factorization (PMF). <i>Atmospheric Environment</i> , 2018 , 174, 15-24	5.3	32
262	P3-148: OXIDATIVE STRESS FROM TRAFFIC-RELATED AIR POLLUTANTS (TRAP) INDUCES PRO-AMYLOIDOGIC LIPID RAFT ALTERATION IN AD MODELS 2018 , 14, P1124-P1125		0
261	Nanoparticulate matter exposure results in neuroinflammatory changes in the corpus callosum. <i>PLoS ONE</i> , 2018 , 13, e0206934	3.7	26
260	Oxidative Properties of Ambient Particulate Matter - An Assessment of the Relative Contributions from Various Aerosol Components and Their Emission Sources. <i>ACS Symposium Series</i> , 2018 , 389-416	0.4	2
259	Impact of particulate matter (PM) emissions from ships, locomotives, and freeways in the communities near the ports of Los Angeles (POLA) and Long Beach (POLB) on the air quality in the Los Angeles county. <i>Atmospheric Environment</i> , 2018 , 195, 159-169	5.3	18
258	Characterizing the evolution of physical properties and mixing state of black carbon particles: from near a major highway to the broader urban plume in Los Angeles. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11991-12010	6.8	5

257	Spatio-temporal trends and source apportionment of fossil fuel and biomass burning black carbon (BC) in the Los Angeles Basin. <i>Science of the Total Environment</i> , 2018 , 640-641, 1231-1240	10.2	39
256	Emission rates of particle number, mass and black carbon by the Los Angeles International Airport (LAX) and its impact on air quality in Los Angeles. <i>Atmospheric Environment</i> , 2017 , 151, 82-93	5.3	45
255	Impact of biodiesel on regulated and unregulated emissions, and redox and proinflammatory properties of PM emitted from heavy-duty vehicles. <i>Science of the Total Environment</i> , 2017 , 584-585, 1230-1238	10.2	34
254	Ambient Ultrafine Particle Ingestion Alters Gut Microbiota in Association with Increased Atherogenic Lipid Metabolites. <i>Scientific Reports</i> , 2017 , 7, 42906	4.9	43
253	Wood combustion particles induce adverse effects to normal and diseased airway epithelia. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 538-548	4.3	12
252	Toll-like receptor 4 in glial inflammatory responses to air pollution in vitro and in vivo. <i>Journal of Neuroinflammation</i> , 2017 , 14, 84	10.1	71
251	Source apportionment of fine particulate matter and risk of term low birth weight in California: Exploring modification by region and maternal characteristics. <i>Science of the Total Environment</i> , 2017 , 605-606, 647-654	10.2	31
250	Oxidative potential of on-road fine particulate matter (PM _{2.5}) measured on major freeways of Los Angeles, CA, and a 10-year comparison with earlier roadside studies. <i>Atmospheric Environment</i> , 2017 , 148, 102-114	5.3	41
249	Exposure to ambient ultrafine particulate matter alters the expression of genes in primary human neurons. <i>NeuroToxicology</i> , 2017 , 58, 50-57	4.4	26
248	Enhanced toxicity of aerosol in fog conditions in the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7721-7731	6.8	30
247	Traffic-related air pollution impact on mouse brain accelerates myelin and neuritic aging changes with specificity for CA1 neurons. <i>Neurobiology of Aging</i> , 2017 , 53, 48-58	5.6	75
246	Development and field evaluation of an online monitor for near-continuous measurement of iron, manganese, and chromium in coarse airborne particulate matter (PM). <i>Aerosol Science and Technology</i> , 2016 , 50, 1306-1319	3.4	9
245	Associations of Source-Specific Fine Particulate Matter With Emergency Department Visits in California. <i>American Journal of Epidemiology</i> , 2016 , 184, 450-9	3.8	40
244	Source apportionment of ambient particle number concentrations in central Los Angeles using positive matrix factorization (PMF). <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4849-4866	6.8	77
243	Associations between microvascular function and short-term exposure to traffic-related air pollution and particulate matter oxidative potential. <i>Environmental Health</i> , 2016 , 15, 81	6	46
242	Associations of oxidative stress and inflammatory biomarkers with chemically-characterized air pollutant exposures in an elderly cohort. <i>Environmental Research</i> , 2016 , 150, 306-319	7.9	71
241	Development and evaluation of a novel monitor for online measurement of iron, manganese, and chromium in ambient particulate matter (PM). <i>Science of the Total Environment</i> , 2016 , 565, 123-131	10.2	13
240	Urban traffic-derived nanoparticulate matter reduces neurite outgrowth via TNF α in vitro. <i>Journal of Neuroinflammation</i> , 2016 , 13, 19	10.1	46

239	Nrf2-related gene expression and exposure to traffic-related air pollution in elderly subjects with cardiovascular disease: An exploratory panel study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016 , 26, 141-9	6.7	34
238	Nighttime aqueous-phase secondary organic aerosols in Los Angeles and its implication for fine particulate matter composition and oxidative potential. <i>Atmospheric Environment</i> , 2016 , 133, 112-122	5.3	37
237	Fine and ultrafine particulate organic carbon in the Los Angeles basin: Trends in sources and composition. <i>Science of the Total Environment</i> , 2016 , 541, 1083-1096	10.2	51
236	Stroke Damage Is Exacerbated by Nano-Size Particulate Matter in a Mouse Model. <i>PLoS ONE</i> , 2016 , 11, e0153376	3.7	17
235	Nanoscale Particulate Matter from Urban Traffic Rapidly Induces Oxidative Stress and Inflammation in Olfactory Epithelium with Concomitant Effects on Brain. <i>Environmental Health Perspectives</i> , 2016 , 124, 1537-1546	8.4	84
234	The relative importance of tailpipe and non-tailpipe emissions on the oxidative potential of ambient particles in Los Angeles, CA. <i>Faraday Discussions</i> , 2016 , 189, 361-80	3.6	30
233	Source apportionment of the redox activity of urban quasi-ultrafine particles (PM _{0.49}) in Thessaloniki following the increased biomass burning due to the economic crisis in Greece. <i>Science of the Total Environment</i> , 2016 , 568, 124-136	10.2	40
232	Measurements of the impact of atmospheric aging on physical and optical properties of ambient black carbon particles in Los Angeles. <i>Atmospheric Environment</i> , 2016 , 142, 496-504	5.3	22
231	Measurement of particulate matter emissions from in-use locomotives. <i>Atmospheric Environment</i> , 2015 , 113, 187-196	5.3	15
230	Effects of particulate air pollution on nasal and lung function development among Greek children: a 19-year cohort study. <i>International Journal of Environmental Health Research</i> , 2015 , 25, 480-9	3.6	7
229	Toxicity of aged gasoline exhaust particles to normal and diseased airway epithelia. <i>Scientific Reports</i> , 2015 , 5, 11801	4.9	60
228	Effect of exposure to atmospheric ultrafine particles on production of free fatty acids and lipid metabolites in the mouse small intestine. <i>Environmental Health Perspectives</i> , 2015 , 123, 34-41	8.4	76
227	Is atherosclerotic disease associated with organic components of ambient fine particles?. <i>Science of the Total Environment</i> , 2015 , 533, 69-75	10.2	30
226	Assessing the role of chemical components in cellular responses to atmospheric particle matter (PM) through chemical fractionation of PM extracts. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5953-63	4.4	20
225	Redox activity and chemical interactions of metal oxide nano- and micro-particles with dithiothreitol (DTT). <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 1952-8	4.3	8
224	Impact of primary and secondary organic sources on the oxidative potential of quasi-ultrafine particles (PM _{0.25}) at three contrasting locations in the Los Angeles Basin. <i>Atmospheric Environment</i> , 2015 , 120, 286-296	5.3	46
223	An in vitro alveolar macrophage assay for the assessment of inflammatory cytokine expression induced by atmospheric particulate matter. <i>Environmental Toxicology</i> , 2015 , 30, 836-51	4.2	20
222	Strategic planning for climate change mitigation and adaptation: the case of Greece. <i>International Journal of Climate Change Strategies and Management</i> , 2015 , 7, 272-289	3.9	13

221	Vehicular exhaust particles promote allergic airway inflammation through an aryl hydrocarbon receptor-notch signaling cascade. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 441-53	11.5	65
220	Oxidative potential of coarse particulate matter (PM _{10-2.5}) and its relation to water solubility and sources of trace elements and metals in the Los Angeles Basin. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 2110-21	4.3	31
219	Impact of regional transport on the anthropogenic and biogenic secondary organic aerosols in the Los Angeles Basin. <i>Atmospheric Environment</i> , 2015 , 103, 171-179	5.3	22
218	A new technique for online measurement of total and water-soluble copper (Cu) in coarse particulate matter (PM). <i>Environmental Pollution</i> , 2015 , 199, 227-34	9.3	11
217	Oxidative potential and chemical speciation of size-resolved particulate matter (PM) at near-freeway and urban background sites in the greater Beirut area. <i>Science of the Total Environment</i> , 2014 , 470-471, 417-26	10.2	69
216	Seasonal and spatial variation in dithiothreitol (DTT) activity of quasi-ultrafine particles in the Los Angeles Basin and its association with chemical species. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 441-51	2.3	69
215	Development of a Technology for Online Measurement of Total and Water-Soluble Copper (Cu) in PM _{2.5} . <i>Aerosol Science and Technology</i> , 2014 , 48, 864-874	3.4	10
214	Long-term source apportionment of ambient fine particulate matter (PM _{2.5}) in the Los Angeles Basin: a focus on emissions reduction from vehicular sources. <i>Environmental Pollution</i> , 2014 , 193, 54-64	9.3	93
213	Human brain derived cells respond in a type-specific manner after exposure to urban particulate matter (PM). <i>Toxicology in Vitro</i> , 2014 , 28, 1290-5	3.6	23
212	Dust episodes in Beirut and their effect on the chemical composition of coarse and fine particulate matter. <i>Science of the Total Environment</i> , 2014 , 496, 75-83	10.2	14
211	Particulate metals and organic compounds from electronic and tobacco-containing cigarettes: comparison of emission rates and secondhand exposure. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 2259-67	4.3	87
210	Global perspective on the oxidative potential of airborne particulate matter: a synthesis of research findings. <i>Environmental Science & Technology</i> , 2014 , 48, 7576-83	10.3	119
209	Chemical characterization and source apportionment of indoor and outdoor fine particulate matter (PM _{2.5}) in retirement communities of the Los Angeles Basin. <i>Science of the Total Environment</i> , 2014 , 490, 528-37	10.2	44
208	Diurnal and seasonal trends in the apparent density of ambient fine and coarse particles in Los Angeles. <i>Environmental Pollution</i> , 2014 , 187, 1-9	9.3	35
207	Modeling the concentrations of on-road air pollutants in southern California. <i>Environmental Science & Technology</i> , 2013 , 47, 9291-9	10.3	40
206	Chemical composition of size-resolved particulate matter at near-freeway and urban background sites in the greater Beirut area. <i>Atmospheric Environment</i> , 2013 , 80, 96-106	5.3	28
205	Increased biomass burning due to the economic crisis in Greece and its adverse impact on wintertime air quality in Thessaloniki. <i>Environmental Science & Technology</i> , 2013 , 47, 13313-20	10.3	134
204	Seasonal and spatial variability in chemical composition and mass closure of ambient ultrafine particles in the megacity of Los Angeles. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 283-95	4.3	46

203	Development and Evaluation of a High-Volume Aerosol-into-Liquid Collector for Fine and Ultrafine Particulate Matter. <i>Aerosol Science and Technology</i> , 2013 , 47, 1226-1238	3.4	26
202	Source apportionments of PM _{2.5} organic carbon using molecular marker Positive Matrix Factorization and comparison of results from different receptor models. <i>Atmospheric Environment</i> , 2013 , 73, 51-61	5.3	82
201	Macrophage reactive oxygen species activity of water-soluble and water-insoluble fractions of ambient coarse, PM _{2.5} and ultrafine particulate matter (PM) in Los Angeles. <i>Atmospheric Environment</i> , 2013 , 77, 301-310	5.3	80
200	Seasonal and spatial variation of trace elements and metals in quasi-ultrafine (PM ₁₀) particles in the Los Angeles metropolitan area and characterization of their sources. <i>Environmental Pollution</i> , 2013 , 181, 14-23	9.3	58
199	Ambient ultrafine particles reduce endothelial nitric oxide production via S-glutathionylation of eNOS. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 436, 462-6	3.4	22
198	Seasonal and spatial variation in reactive oxygen species activity of quasi-ultrafine particles (PM _{0.25}) in the Los Angeles metropolitan area and its association with chemical composition. <i>Atmospheric Environment</i> , 2013 , 79, 566-575	5.3	34
197	Source apportionment and organic compound characterization of ambient ultrafine particulate matter (PM) in the Los Angeles Basin. <i>Atmospheric Environment</i> , 2013 , 79, 529-539	5.3	52
196	Atmospheric ultrafine particles promote vascular calcification via the NF- κ B signaling pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 304, C362-9	5.4	30
195	Ambient ultrafine particles alter lipid metabolism and HDL anti-oxidant capacity in LDLR-null mice. <i>Journal of Lipid Research</i> , 2013 , 54, 1608-1615	6.3	74
194	Development of a Two-Stage Virtual Impactor System for High Concentration Enrichment of Ultrafine, PM _{2.5} , and Coarse Particulate Matter. <i>Aerosol Science and Technology</i> , 2013 , 47, 231-238	3.4	10
193	Urban air pollutants reduce synaptic function of CA1 neurons via an NMDA/N κ pathway in vitro. <i>Journal of Neurochemistry</i> , 2013 , 127, 509-19	6	47
192	Nrf2 deficiency in dendritic cells enhances the adjuvant effect of ambient ultrafine particles on allergic sensitization. <i>Journal of Innate Immunity</i> , 2013 , 5, 543-54	6.9	29
191	Particulate air pollution, ambulatory heart rate variability, and cardiac arrhythmia in retirement community residents with coronary artery disease. <i>Environmental Health Perspectives</i> , 2013 , 121, 1135-41	8.4	74
190	Prenatal exposure to urban air nanoparticles in mice causes altered neuronal differentiation and depression-like responses. <i>PLoS ONE</i> , 2013 , 8, e64128	3.7	80
189	Mitochondrial genetic background modifies the relationship between traffic-related air pollution exposure and systemic biomarkers of inflammation. <i>PLoS ONE</i> , 2013 , 8, e64444	3.7	39
188	Characterization, sources and redox activity of fine and coarse particulate matter in Milan, Italy. <i>Atmospheric Environment</i> , 2012 , 49, 130-141	5.3	75
187	Seasonal and spatial variations of individual organic compounds of coarse particulate matter in the Los Angeles Basin. <i>Atmospheric Environment</i> , 2012 , 59, 1-10	5.3	10
186	Diurnal trends in oxidative potential of coarse particulate matter in the Los Angeles Basin and their relation to sources and chemical composition. <i>Environmental Science & Technology</i> , 2012 , 46, 3779-87	10.3	50

185	Characterization of organic, metal and trace element PM _{2.5} species and derivation of freeway-based emission rates in Los Angeles, CA. <i>Science of the Total Environment</i> , 2012 , 435-436, 159-66 ^{10.2}	45
184	Linking In-Vehicle Ultrafine Particle Exposures to On-Road Concentrations. <i>Atmospheric Environment</i> , 2012 , 59, 578-586	5.3 59
183	On-road emission factors of PM pollutants for light-duty vehicles (LDVs) based on urban street driving conditions. <i>Atmospheric Environment</i> , 2012 , 61, 378-386	5.3 44
182	Nrf2-regulated phase II enzymes are induced by chronic ambient nanoparticle exposure in young mice with age-related impairments. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 2038-46	7.8 117
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