Constantinos Sioutas

List of Publications by Year
in descending order

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333 papers	28,097 citations	6124 83 h-index	8433 152 g-index
347 all docs	347 docs citations	347 times ranked	21596 citing authors

#	Article	IF	Citations
1	Impact of different sources on the oxidative potential of ambient particulate matter PM10 in Riyadh, Saudi Arabia: A focus on dust emissions. Science of the Total Environment, 2022, 806, 150590.	3.9	18
2	Quantifying ambient concentrations of primary and secondary organic aerosol in central Los Angeles using an integrated approach coupling source apportionment with regression analysis. Atmospheric Environment, 2022, 268, 118807.	1.9	7
3	Tailpipe and Nontailpipe Emission Factors and Source Contributions of PM₁₀ on Major Freeways in the Los Angeles Basin. Environmental Science & Technology, 2022, 56, 7029-7039.	4.6	8
4	On-line determination of the chemical composition of single activated cloud condensation nuclei â€“ a pilot study. Aerosol Science and Technology, 2022, 56, 673-687.	1.5	0
5	Real-time measurements of mineral dust concentration in coarse particulate matter (PM10â€“2.5) by employing a novel optical-based technique in Los Angeles. Science of the Total Environment, 2022, 838, 156215.	3.9	9
6	The oxidative potential of particulate matter (PM) in different regions around the world and its relation to air pollution sources. Environmental Science Atmospheres, 2022, 2, 1076-1086.	0.9	13
7	Iron speciation in particulate matter (PM2.5) from urban Los Angeles using spectro-microscopy methods. Atmospheric Environment, 2021, 245, 117988.	1.9	16
8	Association of systemic inflammation and coagulation biomarkers with source-specific PM_{2.5} mass concentrations among young and elderly subjects in central Tehran. Journal of the Air and Waste Management Association, 2021, 71, 191-208.	0.9	11
9	The impact of stay-home policies during Coronavirus-19 pandemic on the chemical and toxicological characteristics of ambient PM2.5 in the metropolitan area of Milan, Italy. Science of the Total Environment, 2021, 758, 143582.	3.9	32
10	Long-term trends in the contribution of PM_{2.5}sources to organic carbon (OC) in the Los Angeles basin and the effect of PM emission regulations. Faraday Discussions, 2021, 226, 74-99.	1.6	19
11	Long-term trends in concentrations and sources of PM2.5â€“bound metals and elements in central Los Angeles. Atmospheric Environment, 2021, 253, 118361.	1.9	32
12	Urban Air Pollution Nanoparticles from LosÂAngeles: Recently Decreased Neurotoxicity. Journal of Alzheimer's Disease, 2021, 82, 307-316.	1.2	8
13	Nanoparticulate matter exposure results in white matter damage and an inflammatory microglial response in an experimental murine model. PLoS ONE, 2021, 16, e0253766.	1.1	12
14	Cerebral cortex and blood transcriptome changes in mouse neonates prenatally exposed to air pollution particulate matter. Journal of Neurodevelopmental Disorders, 2021, 13, 30.	1.5	9
15	Air Pollution Particulate Matter Exposure and Chronic Cerebral Hypoperfusion and Measures of White Matter Injury in a Murine Model. Environmental Health Perspectives, 2021, 129, 87006.	2.8	22
16	Alterations to the urinary metabolome following semi-controlled short exposures to ultrafine particles at a major airport. International Journal of Hygiene and Environmental Health, 2021, 237, 113803.	2.1	2
17	Are standardized diesel exhaust particles (DEP) representative of ambient particles in air pollution toxicological studies?. Science of the Total Environment, 2021, 788, 147854.	3.9	13
18	Assessment of air quality in car cabin in and around Paris from on-board measurements and comparison with 2007 data. Journal of Aerosol Science, 2021, 158, 105822.	1.8	11

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19	Air Pollution Particulate Matter Amplifies White Matter Vascular Pathology and Demyelination Caused by Hypoperfusion. Frontiers in Immunology, 2021, 12, 785519.	2.2	14
20	Land use regression models for ultrafine particles, fine particles, and black carbon in Southern California. Science of the Total Environment, 2020, 699, 134234.	3.9	35
21	Day-of-week patterns for ultrafine particulate matter components at four sites in California. Atmospheric Environment, 2020, 222, 117088.	1.9	5
22	Impact of secondary and primary particulate matter (PM) sources on the enhanced light absorption by brown carbon (BrC) particles in central Los Angeles. Science of the Total Environment, 2020, 705, 135902.	3.9	45
23	Semi-volatile components of PM2.5 in an urban environment: Volatility profiles and associated oxidative potential. Atmospheric Environment, 2020, 223, 117197.	1.9	29
24	Effects of ambient particulate matter on vascular tissue: a review. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2020, 23, 319-350.	2.9	47
25	An Embryonic Zebrafish Model to Screen Disruption of Gut-Vascular Barrier upon Exposure to Ambient Ultrafine Particles. Toxics, 2020, 8, 107.	1.6	2
26	The impact of biomass burning on the oxidative potential of PM2.5 in the metropolitan area of Milan. Atmospheric Environment, 2020, 224, 117328.	1.9	37
27	Characterization of organic compounds and oxidative potential of aqueous PM2.5 suspensions collected via an aerosol-into-liquid collector for use in toxicology studies. Atmospheric Environment, 2020, 241, 117839.	1.9	9
28	A regulatory T cell Notch4â€“GDF15 axis licenses tissue inflammation in asthma. Nature Immunology, 2020, 21, 1359-1370.	7.0	70
29	Adult mouse hippocampal transcriptome changes associated with long-term behavioral and metabolic effects of gestational air pollution toxicity. Translational Psychiatry, 2020, 10, 218.	2.4	23
30	Evaluation of a high flow rate electrostatic precipitator (ESP) as a particulate matter (PM) collector for toxicity studies. Science of the Total Environment, 2020, 739, 140060.	3.9	22
31	Relative contributions of a major international airport activities and other urban sources to the particle number concentrations (PNCs) at a nearby monitoring site. Environmental Pollution, 2020, 260, 114027.	3.7	17
32	Toxicity of urban air pollution particulate matter in developing and adult mouse brain: Comparison of total and filter-eluted nanoparticles. Environment International, 2020, 136, 105510.	4.8	64
33	Positive matrix factorization of ultrafine particle mass (PM0.1) at three sites in California. Science of the Total Environment, 2020, 715, 136902.	3.9	17
34	Mouse brain transcriptome responses to inhaled nanoparticulate matter differed by sex and APOE in Nrf2-Nfkb interactions. ELife, 2020, 9, .	2.8	22
35	Cell-based assays that predict in vivo neurotoxicity of urban ambient nano-sized particulate matter. Free Radical Biology and Medicine, 2019, 145, 33-41.	1.3	25
36	Age-specific seasonal associations between acute exposure to PM2.5 sources and cardiorespiratory hospital admissions in California. Atmospheric Environment, 2019, 218, 117029.	1.9	12

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37	Evidence for Nanoparticle-Induced Lysosomal Dysfunction in Lung Adenocarcinoma (A549) Cells. International Journal of Molecular Sciences, 2019, 20, 5253.	1.8	19
38	Versatile aerosol concentration enrichment system (VACES) operating as a cloud condensation nuclei (CCN) concentrator: development and laboratory characterization. Atmospheric Measurement Techniques, 2019, 12, 4733-4744.	1.2	3
39	An aerosol concentrator/diffusion battery tandem to concentrate and separate ambient accumulation mode particles for evaluating their toxicological properties. Atmospheric Environment, 2019, 213, 81-89.	1.9	7
40	Ultrafine particles and PM2.5 in the air of cities around the world: Are they representative of each other?. Environment International, 2019, 129, 118-135.	4.8	110
41	Sources and Temporal Variations of Coarse Particulate Matter (PM) in Central Tehran, Iran. Atmosphere, 2019, 10, 291.	1.0	20
42	Spatial trends and sources of PM2.5 organic carbon volatility fractions (OCx) across the Los Angeles Basin. Atmospheric Environment, 2019, 209, 201-211.	1.9	36
43	Air Pollution Alters Caenorhabditis elegans Development and Lifespan: Responses to Traffic-Related Nanoparticulate Matter. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1189-1197.	1.7	27
44	Development of a novel aerosol generation system for conducting inhalation exposures to ambient particulate matter (PM). Science of the Total Environment, 2019, 665, 1035-1045.	3.9	29
45	Effects of air pollution on mitochondrial function, mitochondrial DNA methylation, and mitochondrial peptide expression. Mitochondrion, 2019, 46, 22-29.	1.6	70
46	Exposure to Nanoscale Particulate Matter from Gestation to Adulthood Impairs Metabolic Homeostasis in Mice. Scientific Reports, 2019, 9, 1816.	1.6	21
47	Source apportionment of black carbon (BC) from fossil fuel and biomass burning in metropolitan Milan, Italy. Atmospheric Environment, 2019, 203, 252-261.	1.9	59
48	NOVEL GAMMA-SECRETASE MODULATOR REGULATES APP PROCESSING AND INFLAMMATORY RESPONSES IN NPM-EXPOSED MICE. Innovation in Aging, 2019, 3, S93-S93.	0.0	0
49	CAENORHABDITIS ELEGANS AS A MODEL OF AIR POLLUTION TOXICITY DURING DEVELOPMENT AND LIFESPAN. Innovation in Aging, 2019, 3, S97-S97.	0.0	0
50	Source apportionment of the oxidative potential of fine ambient particulate matter (PM2.5) in Athens, Greece. Science of the Total Environment, 2019, 653, 1407-1416.	3.9	51
51	Seasonal and Annual Source Appointment of Carbonaceous Ultrafine Particulate Matter (PM_{0.1}) in Polluted California Cities. Environmental Science & Technology, 2019, 53, 39-49.	4.6	20
52	Impact of emissions from the Ports of Los Angeles and Long Beach on the oxidative potential of ambient PM0.25 measured across the Los Angeles County. Science of the Total Environment, 2019, 651, 638-647.	3.9	24
53	Source apportionment of ambient PM2.5 in two locations in central Tehran using the Positive Matrix Factorization (PMF) model. Science of the Total Environment, 2018, 628-629, 672-686.	3.9	125
54	A Jagged 1â€“Notch 4 molecular switch mediates airway inflammation induced by ultrafine particles. Journal of Allergy and Clinical Immunology, 2018, 142, 1243-1256.e17.	1.5	44

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55	Ambient ultrafine particles activate human monocytes: Effect of dose, differentiation state and age of donors. Environmental Research, 2018, 161, 314-320.	3.7	7
56	Aging attenuates redox adaptive homeostasis and proteostasis in female mice exposed to traffic-derived nanoparticles (â€˜vehicular smogâ€™). Free Radical Biology and Medicine, 2018, 121, 86-97.	1.3	36
57	Ultrafine Particle Exposure Reveals the Importance of FOXO1/Notch Activation Complex for Vascular Regeneration. Antioxidants and Redox Signaling, 2018, 28, 1209-1223.	2.5	16
58	Cause-specific stillbirth and exposure to chemical constituents and sources of fine particulate matter. Environmental Research, 2018, 160, 358-364.	3.7	39
59	Chemical composition and redox activity of PM0.25 near Los Angeles International Airport and comparisons to an urban traffic site. Science of the Total Environment, 2018, 610-611, 1336-1346.	3.9	26
60	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). Atmospheric Environment, 2018, 174, 15-24.	1.9	52
61	P3â€148: OXIDATIVE STRESS FROM TRAFFICâ€RELATED AIR POLLUTANTS (TRAP) INDUCES PROâ€AMYLOIDOGENIC LIPID RAFT ALTERATION IN AD MODELS. Alzheimer's and Dementia, 2018, 14, P1124.	0.4	1
62	Nanoparticulate matter exposure results in neuroinflammatory changes in the corpus callosum. PLoS ONE, 2018, 13, e0206934.	1.1	40
63	Oxidative Properties of Ambient Particulate Matter - An Assessment of the Relative Contributions from Various Aerosol Components and Their Emission Sources. ACS Symposium Series, 2018, , 389-416.	0.5	3
64	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. Atmospheric Environment, 2018, 195, 159-169.	1.9	26
65	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. Atmospheric Chemistry and Physics, 2018, 18, 11991-12010.	1.9	9
66	Spatio-temporal trends and source apportionment of fossil fuel and biomass burning black carbon (BC) in the Los Angeles Basin. Science of the Total Environment, 2018, 640-641, 1231-1240.	3.9	51
67	Pro-inflammatory responses to PM0.25 from airport and urban traffic emissions. Science of the Total Environment, 2018, 640-641, 997-1003.	3.9	28
68	Source-specific lung cancer risk assessment of ambient PM2.5-bound polycyclic aromatic hydrocarbons (PAHs) in central Tehran. Environment International, 2018, 120, 321-332.	4.8	128
69	Associations of Source-apportioned Fine Particles with Cause-specific Mortality in California. Epidemiology, 2018, 29, 639-648.	1.2	27
70	Oxidative potential of ambient particulate matter in Beirut during Saharan and Arabian dust events. Atmospheric Environment, 2018, 188, 34-42.	1.9	25
71	Diurnal variation in the proinflammatory activity of urban fine particulate matter (PM2.5) by in vitro assays. F1000Research, 2018, 7, 596.	0.8	4
72	Commuting in Los Angeles: Cancer and Non-cancer Health Risks of Roadway, Light-Rail and Subway Transit Routes. Aerosol and Air Quality Research, 2018, 18, 2363-2374.	0.9	21

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73	Diurnal variation in the proinflammatory activity of urban fine particulate matter (PM2.5) by in vitro assays. F1000Research, 2018, 7, 596.	0.8	3
74	Comparison of the oxidative potential of primary (POA) and secondary (SOA) organic aerosols derived from Î±-pinene and gasoline engine exhaust precursors. F1000Research, 2018, 7, 1031.	0.8	3
75	Comparison of the oxidative potential of primary (POA) and secondary (SOA) organic aerosols derived from Î±-pinene and gasoline engine exhaust precursors. F1000Research, 2018, 7, 1031.	0.8	5
76	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. Atmospheric Environment, 2017, 151, 82-93.	1.9	64
77	Impact of biodiesel on regulated and unregulated emissions, and redox and proinflammatory properties of PM emitted from heavy-duty vehicles. Science of the Total Environment, 2017, 584-585, 1230-1238.	3.9	42
78	Ambient Ultrafine Particle Ingestion Alters Gut Microbiota in Association with Increased Atherogenic Lipid Metabolites. Scientific Reports, 2017, 7, 42906.	1.6	66
79	Wood combustion particles induce adverse effects to normal and diseased airway epithelia. Environmental Sciences: Processes and Impacts, 2017, 19, 538-548.	1.7	14
80	Toll-like receptor 4 in glial inflammatory responses to air pollution in vitro and in vivo. Journal of Neuroinflammation, 2017, 14, 84.	3.1	107
81	Source apportionment of fine particulate matter and risk of term low birth weight in California: Exploring modification by region and maternal characteristics. Science of the Total Environment, 2017, 605-606, 647-654.	3.9	41
82	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. Atmospheric Environment, 2017, 148, 102-114.	1.9	53
83	Exposure to ambient ultrafine particulate matter alters the expression of genes in primary human neurons. NeuroToxicology, 2017, 58, 50-57.	1.4	30
84	Enhanced toxicity of aerosol in fog conditions in the Po Valley, Italy. Atmospheric Chemistry and Physics, 2017, 17, 7721-7731.	1.9	48
85	Traffic-related air pollution impact on mouse brain accelerates myelin and neuritic aging changes with specificity for CA1 neurons. Neurobiology of Aging, 2017, 53, 48-58.	1.5	91
86	Nanoscale Particulate Matter from Urban Traffic Rapidly Induces Oxidative Stress and Inflammation in Olfactory Epithelium with Concomitant Effects on Brain. Environmental Health Perspectives, 2016, 124, 1537-1546.	2.8	127
87	The relative importance of tailpipe and non-tailpipe emissions on the oxidative potential of ambient particles in Los Angeles, CA. Faraday Discussions, 2016, 189, 361-380.	1.6	38
88	Source apportionment of the redox activity of urban quasi-ultrafine particles (PM0.49) in Thessaloniki following the increased biomass burning due to the economic crisis in Greece. Science of the Total Environment, 2016, 568, 124-136.	3.9	52
89	Measurements of the impact of atmospheric aging on physical and optical properties of ambient black carbon particles in Los Angeles. Atmospheric Environment, 2016, 142, 496-504.	1.9	30
90	Development and field evaluation of an online monitor for near-continuous measurement of iron, manganese, and chromium in coarse airborne particulate matter (PM). Aerosol Science and Technology, 2016, 50, 1306-1319.	1.5	11

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91	Associations of Source-Specific Fine Particulate Matter With Emergency Department Visits in California. American Journal of Epidemiology, 2016, 184, 450-459.	1.6	53
92	Source apportionment of ambient particle number concentrations in central Los Angeles using positive matrix factorization (PMF). Atmospheric Chemistry and Physics, 2016, 16, 4849-4866.	1.9	96
93	Associations between microvascular function and short-term exposure to traffic-related air pollution and particulate matter oxidative potential. Environmental Health, 2016, 15, 81.	1.7	57
94	Associations of oxidative stress and inflammatory biomarkers with chemically-characterized air pollutant exposures in an elderly cohort. Environmental Research, 2016, 150, 306-319.	3.7	88
95	Development and evaluation of a novel monitor for online measurement of iron, manganese, and chromium in ambient particulate matter (PM). Science of the Total Environment, 2016, 565, 123-131.	3.9	17
96	Urban traffic-derived nanoparticulate matter reduces neurite outgrowth via TNFÎ± in vitro. Journal of Neuroinflammation, 2016, 13, 19.	3.1	58
97	Nrf2-related gene expression and exposure to traffic-related air pollution in elderly subjects with cardiovascular disease: An exploratory panel study. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 141-149.	1.8	41
98	Nighttime aqueous-phase secondary organic aerosols in Los Angeles and its implication for fine particulate matter composition and oxidative potential. Atmospheric Environment, 2016, 133, 112-122.	1.9	53
99	Fine and ultrafine particulate organic carbon in the Los Angeles basin: Trends in sources and composition. Science of the Total Environment, 2016, 541, 1083-1096.	3.9	59
100	Stroke Damage Is Exacerbated by Nano-Size Particulate Matter in a Mouse Model. PLoS ONE, 2016, 11, e0153376.	1.1	23
101	Strategic planning for climate change mitigation and adaptation: the case of Greece. International Journal of Climate Change Strategies and Management, 2015, 7, 272-289.	1.5	15
102	Vehicular exhaust particles promote allergic airway inflammation through an aryl hydrocarbon receptorâ€“notch signaling cascade. Journal of Allergy and Clinical Immunology, 2015, 136, 441-453.	1.5	74
103	Oxidative potential of coarse particulate matter (PM‹sub›10â€“2.5‹/sub›) and its relation to water solubility and sources of trace elements and metals in the Los Angeles Basin. Environmental Sciences: Processes and Impacts, 2015, 17, 2110-2121.	1.7	42
104	Impact of regional transport on the anthropogenic and biogenic secondary organic aerosols in the Los Angeles Basin. Atmospheric Environment, 2015, 103, 171-179.	1.9	27
105	A new technique for online measurement of total and water-soluble copper (Cu) in coarse particulate matter (PM). Environmental Pollution, 2015, 199, 227-234.	3.7	14
106	Measurement of particulate matter emissions from in-use locomotives. Atmospheric Environment, 2015, 113, 187-196.	1.9	18
107	Effects of particulate air pollution on nasal and lung function development among Greek children: a 19-year cohort study. International Journal of Environmental Health Research, 2015, 25, 480-489.	1.3	10
108	Toxicity of aged gasoline exhaust particles to normal and diseased airway epithelia. Scientific Reports, 2015, 5, 11801.	1.6	71

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109	Effect of Exposure to Atmospheric Ultrafine Particles on Production of Free Fatty Acids and Lipid Metabolites in the Mouse Small Intestine. Environmental Health Perspectives, 2015, 123, 34-41.	2.8	98
110	Is atherosclerotic disease associated with organic components of ambient fine particles?. Science of the Total Environment, 2015, 533, 69-75.	3.9	35
111	Assessing the role of chemical components in cellular responses to atmospheric particle matter (PM) through chemical fractionation of PM extracts. Analytical and Bioanalytical Chemistry, 2015, 407, 5953-5963.	1.9	28
112	Redox activity and chemical interactions of metal oxide nano- and micro-particles with dithiothreitol (DTT). Environmental Sciences: Processes and Impacts, 2015, 17, 1952-1958.	1.7	13
113	Impact of primary and secondary organic sources on the oxidative potential of quasi-ultrafine particles (PM0.25) at three contrasting locations in the Los Angeles Basin. Atmospheric Environment, 2015, 120, 286-296.	1.9	54
114	An In Vitro alveolar macrophage assay for the assessment of inflammatory cytokine expression induced by atmospheric particulate matter. Environmental Toxicology, 2015, 30, 836-851.	2.1	24
115	Diurnal and seasonal trends in the apparent density of ambient fine and coarse particles in Los Angeles. Environmental Pollution, 2014, 187, 1-9.	3.7	41
116	Oxidative potential and chemical speciation of size-resolved particulate matter (PM) at near-freeway and urban background sites in the greater Beirut area. Science of the Total Environment, 2014, 470-471, 417-426.	3.9	83
117	Seasonal and spatial variation in dithiothreitol (DTT) activity of quasi-ultrafine particles in the Los Angeles Basin and its association with chemical species. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 441-451.	0.9	85
118	Development of a Technology for Online Measurement of Total and Water-Soluble Copper (Cu) in PM_{2.5}. Aerosol Science and Technology, 2014, 48, 864-874.	1.5	11
119	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. Environmental Pollution, 2014, 193, 54-64.	3.7	120
120	Human brain derived cells respond in a type-specific manner after exposure to urban particulate matter (PM). Toxicology in Vitro, 2014, 28, 1290-1295.	1.1	25
121	Dust episodes in Beirut and their effect on the chemical composition of coarse and fine particulate matter. Science of the Total Environment, 2014, 496, 75-83.	3.9	20
122	Particulate metals and organic compounds from electronic and tobacco-containing cigarettes: comparison of emission rates and secondhand exposure. Environmental Sciences: Processes and Impacts, 2014, 16, 2259-2267.	1.7	110
123	Global Perspective on the Oxidative Potential of Airborne Particulate Matter: A Synthesis of Research Findings. Environmental Science & Technology, 2014, 48, 7576-7583.	4.6	157
124	Chemical characterization and source apportionment of indoor and outdoor fine particulate matter (PM2.5) in retirement communities of the Los Angeles Basin. Science of the Total Environment, 2014, 490, 528-537.	3.9	62
125	Modeling the Concentrations of On-Road Air Pollutants in Southern California. Environmental Science & Technology, 2013, 47, 9291-9299.	4.6	44
126	Chemical composition of size-resolved particulate matter at near-freeway and urban background sites in the greater Beirut area. Atmospheric Environment, 2013, 80, 96-106.	1.9	34

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127	Increased Biomass Burning Due to the Economic Crisis in Greece and Its Adverse Impact on Wintertime Air Quality in Thessaloniki. Environmental Science & Technology, 2013, 47, 13313-13320.	4.6	150
128	Seasonal and spatial variability in chemical composition and mass closure of ambient ultrafine particles in the megacity of Los Angeles. Environmental Sciences: Processes and Impacts, 2013, 15, 283-295.	1.7	53
129	Development and Evaluation of a High-Volume Aerosol-into-Liquid Collector for Fine and Ultrafine Particulate Matter. Aerosol Science and Technology, 2013, 47, 1226-1238.	1.5	31
130	Source apportionments of PM2.5 organic carbon using molecular marker Positive Matrix Factorization and comparison of results from different receptor models. Atmospheric Environment, 2013, 73, 51-61.	1.9	95
131	Macrophage reactive oxygen species activity of water-soluble and water-insoluble fractions of ambient coarse, PM2.5 and ultrafine particulate matter (PM) in Los Angeles. Atmospheric Environment, 2013, 77, 301-310.	1.9	99
132	Seasonal and spatial variation of trace elements and metals in quasi-ultrafine (PM0.25) particles in the Los Angeles metropolitan area and characterization of their sources. Environmental Pollution, 2013, 181, 14-23.	3.7	62
133	Ambient ultrafine particles reduce endothelial nitric oxide production via S-glutathionylation of eNOS. Biochemical and Biophysical Research Communications, 2013, 436, 462-466.	1.0	25
134	Seasonal and spatial variation in reactive oxygen species activity of quasi-ultrafine particles (PM0.25) in the Los Angeles metropolitan area and its association with chemical composition. Atmospheric Environment, 2013, 79, 566-575.	1.9	41
135	Source apportionment and organic compound characterization of ambient ultrafine particulate matter (PM) in the Los Angeles Basin. Atmospheric Environment, 2013, 79, 529-539.	1.9	63
136	Atmospheric ultrafine particles promote vascular calcification via the NF-Î¹B signaling pathway. American Journal of Physiology - Cell Physiology, 2013, 304, C362-C369.	2.1	35
137	Ambient ultrafine particles alter lipid metabolism and HDL anti-oxidant capacity in LDLR-null mice. Journal of Lipid Research, 2013, 54, 1608-1615.	2.0	95
138	Development of a Two-Stage Virtual Impactor System for High Concentration Enrichment of Ultrafine, PM_{2.5}, and Coarse Particulate Matter. Aerosol Science and Technology, 2013, 47, 231-238.	1.5	13
139	Urban air pollutants reduce synaptic function of <scp>CA</scp>1 neurons via an <scp>NMDA</scp>/NÈ® pathway in vitro. Journal of Neurochemistry, 2013, 127, 509-519.	2.1	60
140	Nrf2 Deficiency in Dendritic Cells Enhances the Adjuvant Effect of Ambient Ultrafine Particles on Allergic Sensitization. Journal of Innate Immunity, 2013, 5, 543-554.	1.8	37
141	Particulate Air Pollution, Ambulatory Heart Rate Variability, and Cardiac Arrhythmia in Retirement Community Residents with Coronary Artery Disease. Environmental Health Perspectives, 2013, 121, 1135-1141.	2.8	86
142	Prenatal Exposure to Urban Air Nanoparticles in Mice Causes Altered Neuronal Differentiation and Depression-Like Responses. PLoS ONE, 2013, 8, e64128.	1.1	103
143	Mitochondrial Genetic Background Modifies the Relationship between Traffic-Related Air Pollution Exposure and Systemic Biomarkers of Inflammation. PLoS ONE, 2013, 8, e64444.	1.1	46
144	Historical trends in the mass and chemical species concentrations of coarse particulate matter in the Los Angeles Basin and relation to sources and air quality regulations. Journal of the Air and Waste Management Association, 2012, 62, 541-556.	0.9	21

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145	Diurnal Trends in Oxidative Potential of Coarse Particulate Matter in the Los Angeles Basin and Their Relation to Sources and Chemical Composition. Environmental Science & Technology, 2012, 46, 3779-3787.	4.6	57
146	Characterization of organic, metal and trace element PM2.5 species and derivation of freeway-based emission rates in Los Angeles, CA. Science of the Total Environment, 2012, 435-436, 159-166.	3.9	49
147	Linking in-vehicle ultrafine particle exposures to on-road concentrations. Atmospheric Environment, 2012, 59, 578-586.	1.9	73
148	On-road emission factors of PM pollutants for light-duty vehicles (LDVs) based on urban street driving conditions. Atmospheric Environment, 2012, 61, 378-386.	1.9	52
149	Nrf2-regulated phase II enzymes are induced by chronic ambient nanoparticle exposure in young mice with age-related impairments. Free Radical Biology and Medicine, 2012, 52, 2038-2046.	1.3	136
150	Characterization, sources and redox activity of fine and coarse particulate matter in Milan, Italy. Atmospheric Environment, 2012, 49, 130-141.	1.9	91
151	Seasonal and spatial variations of individual organic compounds of coarse particulate matter in the Los Angeles Basin. Atmospheric Environment, 2012, 59, 1-10.	1.9	13
152	Diurnal trends in coarse particulate matter composition in the Los Angeles Basin. Journal of Environmental Monitoring, 2011, 13, 3277.	2.1	22
153	Comparison of the Chemical and Oxidative Characteristics of Particulate Matter (PM) Collected by Different Methods: Filters, Impactors, and BioSamplers. Aerosol Science and Technology, 2011, 45, 1294-1304.	1.5	37
154	Chemical Characterization and Source Apportionment of Fine and Coarse Particulate Matter Inside the Refectory of Santa Maria Delle Grazie Church, Home of Leonardo Da Vinciâ€™s â€œLast Supperâ€• Environmental Science & Technology, 2011, 45, 10344-10353.	4.6	28
155	Vehicle and Driving Characteristics That Influence In-Cabin Particle Number Concentrations. Environmental Science & Technology, 2011, 45, 8691-8697.	4.6	77
156	Chemical Characterization and Redox Potential of Coarse and Fine Particulate Matter (PM) in Underground and Ground-Level Rail Systems of the Los Angeles Metro. Environmental Science & Technology, 2011, 45, 6769-6776.	4.6	76
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