

Polycyclic aromatic hydrocarbons and their derivatives

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Aerosol contributions at an urban background site in Eastern Mediterranean â€” Potential source regions of PAHs in PM10 mass. <i>Science of the Total Environment</i> , 2017, 598, 563-571.	3.9	32
2	Atmospheric deposition of polycyclic aromatic compounds and associated sources in an urban and a rural area of Chongqing, China. <i>Chemosphere</i> , 2017, 187, 78-87.	4.2	27
3	Profiling quinones in ambient air samples collected from the Athabasca region (Canada). <i>Chemosphere</i> , 2017, 189, 55-66.	4.2	20
4	Study on the Influencing Factors of the Distribution Characteristics of Polycyclic Aromatic Hydrocarbons in Condensable Particulate Matter. <i>Energy & Fuels</i> , 2017, 31, 13233-13238.	2.5	35
5	Chemical profiling of PM10 from urban road dust. <i>Science of the Total Environment</i> , 2018, 634, 41-51.	3.9	104
6	Comparison of atmospheric polycyclic aromatic hydrocarbon levels in three urban areas in Lebanon. <i>Atmospheric Environment</i> , 2018, 179, 260-267.	1.9	22
7	Total carbon and benzo(a)pyrene in particulate matter over a Polish urban site â€” A combined effect of major anthropogenic sources and air mass transport. <i>Atmospheric Pollution Research</i> , 2018, 9, 764-773.	1.8	4
8	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. <i>Environmental Chemistry Letters</i> , 2018, 16, 439-475.	8.3	141
9	Organic compounds in particulate and gaseous phase collected in the neighbourhood of an industrial complex in SÃ£o Paulo (Brazil). <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 271-283.	1.5	25
10	Characteristics of polycyclic aromatic hydrocarbons in PM2.5 emitted from different cooking activities in China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4750-4760.	2.7	45
11	Atmospheric PAHs, NPAHs, and OPAHs at an urban, mountainous, and marine sites in Northern China: Molecular composition, sources, and ageing. <i>Atmospheric Environment</i> , 2018, 173, 256-264.	1.9	64
12	Quantitative assessment of human health risks induced by vehicle exhaust polycyclic aromatic hydrocarbons at Zhengzhou via multimedia fugacity models with cancer risk assessment. <i>Science of the Total Environment</i> , 2018, 618, 430-438.	3.9	31
13	Occurrence of carbazoles in dust and air samples from different locations in Germany. <i>Science of the Total Environment</i> , 2018, 610-611, 412-418.	3.9	55
14	Exposure to polycyclic aromatic hydrocarbons in women living in the Chinese cities of BaoDing and Dalian revealed by hair analysis. <i>Environment International</i> , 2018, 121, 1341-1354.	4.8	51
15	Environmental behaviors of PAHs in Ordovician limestone water of Fengfeng coal mining area in China. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 701.	1.3	8
16	Polycyclic aromatic hydrocarbons in soil of the backfilled region in the Wuda coal fire area, Inner Mongolia, China. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 434-439.	2.9	17
17	Organic molecular tracers in atmospheric PM1 at urban intensive traffic and background sites in two high-insolation European cities. <i>Atmospheric Environment</i> , 2018, 188, 71-81.	1.9	14
18	Characterization of PM2.5-bound nitrated and oxygenated polycyclic aromatic hydrocarbons in ambient air of Langfang during periods with and without traffic restriction. <i>Atmospheric Research</i> , 2018, 213, 302-308.	1.8	25

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19	Characterization and carcinogenic risk assessment of polycyclic aromatic and nitro-polycyclic aromatic hydrocarbons in exhaust emission from gasoline passenger cars using on-road measurements in Beijing, China. <i>Science of the Total Environment</i> , 2018, 645, 347-355.	3.9	50
20	Aromatic formulas in ambient PM _{2.5} samples from Hong Kong determined using FT-ICR ultrahigh-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6289-6304.	1.9	21
21	An overview of research and development themes in the measurement and occurrences of polyaromatic hydrocarbons in dusts and particulates. <i>Journal of Hazardous Materials</i> , 2018, 360, 373-390.	6.5	23
22	Source-specific lung cancer risk assessment of ambient PM _{2.5} -bound polycyclic aromatic hydrocarbons (PAHs) in central Tehran. <i>Environment International</i> , 2018, 120, 321-332.	4.8	128
23	Winter air pollution by and inhalation exposure to nitrated and oxygenated PAHs in rural Shanxi, north China. <i>Atmospheric Environment</i> , 2018, 187, 210-217.	1.9	28
24	Diurnal concentrations, sources, and cancer risk assessments of PM _{2.5} -bound PAHs, NPAHs, and OPAHs in urban, marine and mountain environments. <i>Chemosphere</i> , 2018, 209, 147-155.	4.2	40
25	Seasonal variation, sources and health risk assessment of polycyclic aromatic hydrocarbons in different particle fractions of PM _{2.5} in Beijing, China. <i>Atmospheric Pollution Research</i> , 2019, 10, 105-114.	1.8	34
26	Air quality at two stations (Gdynia and Rumia) located in the region of Gulf of Gdansk during periods of intensive smog in Poland. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 879-890.	1.5	17
27	Method development for simultaneous analyses of polycyclic aromatic hydrocarbons and their nitro-, oxy-, hydroxy- derivatives in sediments. <i>Talanta</i> , 2019, 205, 120128.	2.9	23
28	Variability of polycyclic aromatic hydrocarbons and their oxidative derivatives in wintertime Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8741-8758.	1.9	40
29	Polycyclic aromatic hydrocarbons in atmospheric PM _{2.5} and PM ₁₀ in the semi-arid city of Xi'an, Northwest China: Seasonal variations, sources, health risks, and relationships with meteorological factors. <i>Atmospheric Research</i> , 2019, 229, 60-73.	1.8	31
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32	Modelling the absorption properties of polycyclic aromatic hydrocarbons and derivatives over three European cities by TD-DFT calculations. <i>Science of the Total Environment</i> , 2019, 695, 133881.	3.9	10
33	Cytoprotective Effects of Mangiferin and Z-Ligustilide in PAH-Exposed Human Airway Epithelium in Vitro. <i>Nutrients</i> , 2019, 11, 218.	1.7	10
34	PM _{2.5} -associated nitro-PAH exposure promotes tumor cell metastasis through Hippo-YAP mediated transcriptional regulation. <i>Science of the Total Environment</i> , 2019, 678, 611-617.	3.9	13
35	Oxidative stress, mutagenic effects, and cell death induced by retene. <i>Chemosphere</i> , 2019, 231, 518-527.	4.2	17
36	Seasonal variations of NPAHs and OPAHs in PM _{2.5} at heavily polluted urban and suburban sites in North China: Concentrations, molecular compositions, cancer risk assessments and sources. <i>Ecotoxicology and Environmental Safety</i> , 2019, 178, 58-65.	2.9	46

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37	Existence, removal and transformation of parent and nitrated polycyclic aromatic hydrocarbons in two biological wastewater treatment processes. <i>Chemosphere</i> , 2019, 224, 527-537.	4.2	30
38	Mutagenicity of indoor air pollutants adsorbed on spider webs. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 549-557.	2.9	15
39	Biomonitoring of children exposure to urban pollution and environmental tobacco smoke with hair analysis – A pilot study on children living in Paris and Yeu Island, France. <i>Science of the Total Environment</i> , 2019, 665, 864-872.	3.9	32
40	Inhalation bioaccessibility of PAHs in PM2.5: Implications for risk assessment and toxicity prediction. <i>Science of the Total Environment</i> , 2019, 650, 56-64.	3.9	58
41	Variation tendency of pollution characterization, sources, and health risks of PM2.5-bound polycyclic aromatic hydrocarbons in an emerging megacity in China: Based on three-year data. <i>Atmospheric Research</i> , 2019, 217, 81-92.	1.8	38
42	Beyond the obvious: Environmental health implications of polar polycyclic aromatic hydrocarbons. <i>Environment International</i> , 2019, 123, 543-557.	4.8	245
43	A one-year record of particle-bound polycyclic aromatic hydrocarbons at an urban background site in Lisbon Metropolitan Area, Portugal. <i>Science of the Total Environment</i> , 2019, 658, 34-41.	3.9	8
44	Characterization and quantification of PM2.5 emissions and PAHs concentration in PM2.5 from the exhausts of diesel vehicles with various accumulated mileages. <i>Science of the Total Environment</i> , 2019, 660, 188-198.	3.9	38
45	Occurrence of the potent mutagens 2- nitrobenzanthrone and 3-nitrobenzanthrone in fine airborne particles. <i>Scientific Reports</i> , 2019, 9, 1.	1.6	17,835
46	Different distribution of polycyclic aromatic hydrocarbons (PAHs) between Sphagnum and Ledum peat from an ombrotrophic bog in Northeast China. <i>Journal of Soils and Sediments</i> , 2019, 19, 1735-1744.	1.5	12
47	Concentration, sources and human health risk of heavy metals and polycyclic aromatic hydrocarbons bound PM2.5 ambient air, Tehran, Iran. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1473-1487.	1.8	44
48	Analysis of polycyclic aromatic hydrocarbons (PAHs) and their polar derivatives in soils of an industrial heritage city of Australia. <i>Science of the Total Environment</i> , 2020, 699, 134303.	3.9	46
49	A combined microextraction procedure for isolation of polycyclic aromatic hydrocarbons in ambient fine air particulate matter with determination by gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1612, 460646.	1.8	15
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51	Qualitative and quantitative determination of polycyclic aromatic hydrocarbons in fine particulate matter. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 498-509.	0.9	3
52	Speciation and source apportionment of polycyclic aromatic compounds (PACs) in sediments of the largest salt water lake of Australia. <i>Chemosphere</i> , 2020, 246, 125779.	4.2	31
53	Isomer-selective biodegradation of high-molecular-weight azaarenes in PAH-contaminated environmental samples. <i>Science of the Total Environment</i> , 2020, 707, 135503.	3.9	6
54	Polycyclic Aromatic Hydrocarbons (PAHs) in Road Dust Collected from Myanmar, Japan, Taiwan, and Vietnam. <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 78, 34-45.	2.1	20

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55	Field study of PAHs with their derivatives emitted from e-waste dismantling processes and their comprehensive human exposure implications. <i>Environment International</i> , 2020, 144, 106059.	4.8	34
56	The effects of functional groups on the sorption of naphthalene on microplastics. <i>Chemosphere</i> , 2020, 261, 127592.	4.2	48
57	Characterization, Pollution Sources, and Health Risk of Ionic and Elemental Constituents in PM2.5 of Wuhan, Central China. <i>Atmosphere</i> , 2020, 11, 760.	1.0	11
58	Quantitative biomonitoring of polycyclic aromatic compounds (PACs) using the Sydney rock oyster (<i>Saccostrea glomerata</i>). <i>Science of the Total Environment</i> , 2020, 742, 140497.	3.9	3
59	Non-linear relationships between seasonal exposure to polycyclic aromatic hydrocarbons and urinary 8-hydroxy-2'-deoxyguanosine levels among Chinese young students. <i>Chemosphere</i> , 2020, 251, 126352.	4.2	12
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61	Multi-scale complexities of solid acid catalysts in the catalytic fast pyrolysis of biomass for bio-oil production – A review. <i>Progress in Energy and Combustion Science</i> , 2020, 80, 100852.	15.8	137
62	Chemical identity and cardiovascular toxicity of hydrophobic organic components in PM2.5. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110827.	2.9	39
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64	Inhibited Nitric Oxide Production of Human Endothelial Nitric Oxide Synthase by Nitrated and Oxygenated Polycyclic Aromatic Hydrocarbons. <i>Environmental Science & Technology</i> , 2020, 54, 2922-2930.	4.6	39
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66	Emission characteristics and temporal variation of PAHs and their derivatives from an ocean-going cargo vessel. <i>Chemosphere</i> , 2020, 249, 126194.	4.2	22
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71	Products of incomplete combustion from biomass reburning. <i>Fuel</i> , 2020, 274, 117805.	3.4	16
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73	Concentrations, distribution and risk of polycyclic aromatic hydrocarbons in sediments from seven major river basins in China over the past 20 years. <i>Journal of Environmental Management</i> , 2021, 280, 111717.	3.8	16

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74	Three years of atmospheric concentrations of nitrated and oxygenated polycyclic aromatic hydrocarbons and oxygen heterocycles at a central European background site. <i>Chemosphere</i> , 2021, 269, 128738.	4.2	23
75	Nontarget Screening of Polycyclic Aromatic Compounds in Atmospheric Particulate Matter Using Ultrahigh Resolution Mass Spectrometry and Comprehensive Two-Dimensional Gas Chromatography. <i>Environmental Science & Technology</i> , 2021, 55, 109-119.	4.6	28
76	Environmental analysis of polar and non-polar Polycyclic Aromatic Compounds in airborne particulate matter, settled dust and soot: Part I: Sampling and sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116099.	5.8	8
77	Environmental analysis of polar and non-polar Polycyclic Aromatic Compounds in airborne particulate matter, settled dust and soot: Part II: Instrumental analysis and occurrence. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116146.	5.8	10
78	Nitrated and parent PAHs in the surface water of Lake Taihu, China: Occurrence, distribution, source, and human health risk assessment. <i>Journal of Environmental Sciences</i> , 2021, 102, 159-169.	3.2	36
79	Do economic development and population agglomeration inevitably aggravate haze pollution in China? New evidence from spatial econometric analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5063-5079.	2.7	39
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81	Backward modeling of urinary test reliability for assessing PAH health risks: An approximation solution for naphthalene. <i>Environmental Pollution</i> , 2021, 273, 116522.	3.7	7
82	Fine Particulate Matter Bound Polycyclic Aromatic Hydrocarbons and Carbonaceous Species in Delhi's Atmosphere: Seasonal Variation, Sources, and Health Risk Assessment. <i>Aerosol Science and Engineering</i> , 2021, 5, 193-213.	1.1	4
83	Photochemical Degradation of Organic Matter in the Atmosphere. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100027.	2.7	18
84	Fate and Occurrence of Polycyclic Aromatic Hydrocarbons and Their Derivatives in Water and Sediment from Songhua River, Northeast China. <i>Water (Switzerland)</i> , 2021, 13, 1196.	1.2	8
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92	Occurrence and toxicity of polycyclic aromatic hydrocarbons derivatives in environmental matrices. <i>Science of the Total Environment</i> , 2021, 788, 147738.	3.9	74

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94	Extreme Molecular Complexity Resulting in a Continuum of Carbonaceous Species in Biomass Burning Tar Balls from Wildfire Smoke. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2729-2739.	1.2	14
95	Concentration and atmospheric transport of PM _{2.5} -bound polycyclic aromatic hydrocarbons at Mount Tai, China. <i>Science of the Total Environment</i> , 2021, 786, 147513.	3.9	16
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97	Effects of meteorological conditions and topography on the bioaccumulation of PAHs and metal elements by native lichen (<i>Xanthoria parietina</i>). <i>Journal of Environmental Sciences</i> , 2021, 109, 193-205.	3.2	10
98	NPAHs and OPAHs in the atmosphere of two central European cities: Seasonality, urban-to-background gradients, cancer risks and gas-to-particle partitioning. <i>Science of the Total Environment</i> , 2021, 793, 148528.	3.9	19
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101	Morphological properties, chemical composition, cancer risks and toxicological potential of airborne particles from traffic and urban background sites. <i>Atmospheric Research</i> , 2021, 264, 105837.	1.8	12
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103	Review on the Analytical Methods and Ambient Concentrations of Organic Nitrogenous Compounds in the Atmosphere. <i>Journal of Korean Society for Atmospheric Environment</i> , 2018, 34, 120-143.	0.2	0
104	Direct large-volume injection analysis of polycyclic aromatic hydrocarbons in water. <i>Universitas Scientiarum</i> , 2018, 23, 171-189.	0.2	1
105	Toxicity and endocrine-disrupting potential of PM _{2.5} : Association with particulate polycyclic aromatic hydrocarbons, phthalate esters, and heavy metals. <i>Environmental Pollution</i> , 2022, 292, 118349.	3.7	15
106	Cytotoxicity and toxicoproteomic analyses of human lung epithelial cells exposed to extracts of atmospheric particulate matters on PTFE filters using acetone and water. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110223.	2.9	6
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109	Poor regulation implications in a low and middle income country based on PAH source apportionment and cancer risk assessment. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1986-1996.	1.7	1
110	The antioxidant defense responses of <i>Hordeum vulgare</i> L. to polycyclic aromatic hydrocarbons and their derivatives in biochar-amended soil. <i>Environmental Pollution</i> , 2022, 294, 118664.	3.7	8

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112	Influence of COVID-19 lockdown on the variation of organic aerosols: Insight into its molecular composition and oxidative potential. <i>Environmental Research</i> , 2022, 206, 112597.	3.7	10
113	Primary and secondary organic winter aerosols in Mediterranean cities under different mixing layer conditions (Barcelona and Granada). <i>Environmental Science and Pollution Research</i> , 2022, 29, 36255-36272.	2.7	10
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115	Investigation of PAHs, nitrated PAHs and oxygenated PAHs in PM10 urban aerosols. A comprehensive data analysis. <i>Chemosphere</i> , 2022, 294, 133745.	4.2	30
116	Annual exposure to polycyclic aromatic hydrocarbons in urban environments linked to wintertime wood-burning episodes. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17865-17883.	1.9	29
117	Pollution Level, Partition and Spatial Distribution of Benzo(a)pyrene in Urban Soils, Road Dust and Their PM10 Fraction of Health-Resorts (Alushta, Yalta) and Industrial (Sebastopol) Cities of Crimea. <i>Water (Switzerland)</i> , 2022, 14, 561.	1.2	13
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119	The use of pseudo- ϵ MRM for a sensitive and selective detection and quantification of polycyclic aromatic compounds by tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9307.	0.7	4
120	PM _{2.5} -Bound Polycyclic Aromatic Hydrocarbons (PAHs), Nitrated PAHs (NPAHs) and Oxygenated PAHs (OPAHs) in Typical Traffic-Related Receptor Environments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	4
121	Polycyclic aromatic hydrocarbons and their oxygenated derivatives in urban aerosol: levels, chemical profiles, and contribution to PM2.5 oxidative potential. <i>Environmental Science and Pollution Research</i> , 2022, 29, 54391-54406.	2.7	12
122	PM-Bound Polycyclic Aromatic Hydrocarbons and Nitro-Polycyclic Aromatic Hydrocarbons in the Ambient Air of Vladivostok: Seasonal Variation, Sources, Health Risk Assessment and Long-Term Variability. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2878.	1.2	9
123	Size-dependent in vitro inhalation bioaccessibility of PAHs and O/N PAHs - Implications to inhalation risk assessment. <i>Environmental Pollution</i> , 2022, 301, 119045.	3.7	16
124	Insights into the day-night sources and optical properties of coastal organic aerosols in southern China. <i>Science of the Total Environment</i> , 2022, 830, 154663.	3.9	3
125	Atmospheric levels, distribution, sources, correlation with meteorological parameters and other pollutants and health risk of PAHs bound in PM _{2.5} and PM ₁₀ in Burgas, Bulgaria – a case study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 306-317.	0.9	4
126	Legacy and emerging organic contaminants in the polar regions. <i>Science of the Total Environment</i> , 2022, 835, 155376.	3.9	31
127	Mitigating Atmospheric Polycyclic Aromatic Hydrocarbons and Associated Health Benefits Around Bohai Sea, China from 2014 to 2019. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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129	Determination of particulate polycyclic aromatic hydrocarbons in ambient air by gas chromatography-mass spectrometry after molecularly imprinted polymer extraction. <i>Journal of Environmental Sciences</i> , 2023, 124, 644-654.	3.2	6
130	PM2.5 chemical composition and health risks by inhalation near a chemical complex. <i>Journal of Environmental Sciences</i> , 2023, 124, 860-874.	3.2	22
131	PAHs in the surface water and sediments of the middle and lower reaches of the Han River, China: Occurrence, source, and probabilistic risk assessment. <i>Chemical Engineering Research and Design</i> , 2022, 164, 208-218.	2.7	15
132	Polycyclic aromatic hydrocarbons (PAHs) and their alkylated, nitrated and oxygenated derivatives in the atmosphere over the Mediterranean and Middle East seas. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8739-8766.	1.9	16
133	Determination of anhydride in atmospheric fine particles by optimized solvent extraction. <i>Atmospheric Environment</i> , 2022, 285, 119249.	1.9	2
134	Meteorological dependence, source identification, and carcinogenic risk assessment of PM2.5-bound Polycyclic Aromatic Hydrocarbons (PAHs) in high-traffic roadside, urban background, and remote suburban area. <i>Journal of Environmental Health Science & Engineering</i> , 2022, 20, 813-826.	1.4	3
135	Advanced oxidation processes for the removal of mono and polycyclic aromatic hydrocarbons – A review. <i>Science of the Total Environment</i> , 2023, 857, 159043.	3.9	40
136	Contribution of wood burning to exposures of PAHs and oxy-PAHs in Eastern Sweden. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 11359-11379.	1.9	6
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