Akira Toriba

List of Publications by Year
in descending order

181	4,683	81743	143772
papers	citations	39 h-index	57 g-index

183	183	183	3864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in urban air particulates and their relationship to emission sources in the Panâ€“Japan Sea countries. Atmospheric Environment, 2005, 39, 5817-5826.	1.9	267
2	Photodegradation of 4-alkylphenols using BiVO4 photocatalyst under irradiation with visible light from a solar simulator. Applied Catalysis B: Environmental, 2003, 46, 573-586.	10.8	257
3	Simultaneous determination of urinary hydroxylated metabolites of naphthalene, fluorene, phenanthrene, fluoranthene and pyrene as multiple biomarkers of exposure to polycyclic aromatic hydrocarbons. Analytical and Bioanalytical Chemistry, 2006, 386, 712-718.	1.9	113
4	A role of aryl hydrocarbon receptor in the antiandrogenic effects of polycyclic aromatic hydrocarbons in LNCaP human prostate carcinoma cells. Archives of Toxicology, 2003, 77, 335-343.	1.9	96
5	Long-range transport of polycyclic aromatic hydrocarbons from China to Japan. Atmospheric Environment, 2007, 41, 2710-2718.	1.9	95
6	Estrogenic/Antiestrogenic Activities of Polycyclic Aromatic Hydrocarbons and Their Monohydroxylated Derivatives by Yeast Two-Hybrid Assay. Journal of Health Science, 2007, 53, 562-570.	0.9	87
7	Size distribution of particulate polycyclic aromatic hydrocarbons in fresh combustion smoke and ambient air: A review. Journal of Environmental Sciences, 2020, 88, 370-384.	3.2	84
8	Comparison of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in airborne particulates collected in downtown and suburban Kanazawa, Japan. Atmospheric Environment, 2002, 36, 5535-5541.	1.9	77
9	Quantification of polycyclic aromatic hydrocarbons (PAHs) in human hair by HPLC with fluorescence detection: a biological monitoring method to evaluate the exposure to PAHs. Biomedical Chromatography, 2003, 17, 126-132.	0.8	76
10	Polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in particulates emitted by motorcycles. Environmental Pollution, 2013, 183, 175-183.	3.7	70
11	Chemiluminescence flow injection analysis of reducing agents based on the luminol reaction. Analytica Chimica Acta, 1997, 353, 345-349.	2.6	69
12	Indirect- and direct-acting mutagenicity of diesel, coal and wood burning-derived particulates and contribution of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 695, 29-34.	0.9	63
13	Estrogenic/Antiestrogenic Activities of Benzo[a]pyrene Monohydroxy Derivatives.. Journal of Health Science, 2001, 47, 552-558.	0.9	61
14	Exposure to Atmospheric Particulate Matter-Bound Polycyclic Aromatic Hydrocarbons and Their Health Effects: A Review. International Journal of Environmental Research and Public Health, 2021, 18, 2177.	1.2	60
15	Identification and Quantification of 1-Nitropyrene Metabolites in Human Urine as a Proposed Biomarker for Exposure to Diesel Exhaust. Chemical Research in Toxicology, 2007, 20, 999-1007.	1.7	59
16	Oxidative Stress More Strongly Induced by ortho- Than para-quinoid Polycyclic Aromatic Hydrocarbons in A549 Cells. Journal of Health Science, 2009, 55, 845-850.	0.9	59
17	Evaluation of estrogenic activities of hydroxylated polycyclic aromatic hydrocarbons in cigarette smoke condensate. Food and Chemical Toxicology, 2005, 43, 1017-1027.	1.8	56
18	An Environmental Quinoid Polycyclic Aromatic Hydrocarbon, Acenaphthenequinone, Modulates Cyclooxygenase-2 Expression through Reactive Oxygen Species Generation and Nuclear Factor Kappa B Activation in A549 Cells. Toxicological Sciences, 2007, 95, 348-355.	1.4	50

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19	Atmospheric behaviors of particulate-bound polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in Beijing, China from 2004 to 2010. Atmospheric Environment, 2017, 152, 354-361.	1.9	50
20	Antiandrogenic Activities of Diesel Exhaust Particle Extracts in PC3/AR Human Prostate Carcinoma Cells. Toxicological Sciences, 2003, 76, 299-309.	1.4	48
21	Long term trends in atmospheric concentrations of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons: A study of Japanese cities from 1997 to 2014. Environmental Pollution, 2018, 233, 474-482.	3.7	48
22	Atmospheric concentrations of polycyclic aromatic hydrocarbons and selected nitrated derivatives in Greater Cairo, Egypt. Atmospheric Environment, 2011, 45, 7352-7359.	1.9	47
23	Influence of Biomass Burning on the Levels of Atmospheric Polycyclic Aromatic Hydrocarbons and Their Nitro Derivatives in Chiang Mai, Thailand. Aerosol and Air Quality Research, 2014, 14, 1247-1257.	0.9	47
24	Comparison of Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in an Industrialized City (Kitakyushu) and Two Commercial Cities (Sapporo and Tokyo).. Journal of Health Science, 2002, 48, 370-375.	0.9	46
25	Particulate Polycyclic Aromatic Hydrocarbons and Their Nitrated Derivatives in Three Cities in Liaoning Province, China. Environmental Forensics, 2007, 8, 165-172.	1.3	46
26	Analysis of Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Gas/Particle Phases Separately Collected by a High-volume Air Sampler Equipped with a Column Packed with XAD-4 Resin. Journal of Health Science, 2009, 55, 77-85.	0.9	46
27	Comparison of Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Airborne and Automobile Exhaust Particulates. Polycyclic Aromatic Compounds, 2000, 20, 179-190.	1.4	45
28	Mineral dust aerosols promote the formation of toxic nitropolycyclic aromatic compounds. Scientific Reports, 2016, 6, 24427.	1.6	45
29	Characteristics of PM2.5-Bound Polycyclic Aromatic Hydrocarbons and Nitro-Polycyclic Aromatic Hydrocarbons at A Roadside Air Pollution Monitoring Station in Kanazawa, Japan. International Journal of Environmental Research and Public Health, 2020, 17, 805.	1.2	45
30	Comparison of Atmospheric Nitropolycyclic Aromatic Hydrocarbons in Vladivostok, Kanazawa and Toyama.. Journal of Health Science, 2002, 48, 30-36.	0.9	44
31	Determination of 1-hydroxypyrene in human urine by high-performance liquid chromatography with fluorescence detection using a deuterated internal standard. Journal of Chromatography A, 2002, 961, 107-112.	1.8	44
32	Characteristics of air pollutants inside and outside a primary school classroom in Beijing and respiratory health impact on children. Environmental Pollution, 2019, 255, 113147.	3.7	44
33	Detection of Dechlorane Plus and brominated flame retardants in marketed fish in Japan. Chemosphere, 2012, 89, 416-419.	4.2	43
34	PM2.5-bound polycyclic aromatic hydrocarbons and nitro-polycyclic aromatic hydrocarbons inside and outside a primary school classroom in Beijing: Concentration, composition, and inhalation cancer risk. Science of the Total Environment, 2020, 705, 135840.	3.9	43
35	A high-performance liquid chromatographic system equipped with on-line reducer, clean-up and concentrator columns for determination of trace levels of nitropolycyclic aromatic hydrocarbons in airborne particulates. Analytica Chimica Acta, 2001, 445, 205-212.	2.6	42
36	2-Nitrofluoranthene, 1-, 2- and 4-Nitropyrenes and 6-Nitrochrysene in Diesel-Engine Exhaust and Airborne Particulates. Journal of Health Science, 1999, 45, 244-250.	0.9	41

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37	Inhalation and dietary exposure to Dechlorane Plus and polybrominated diphenyl ethers in Osaka, Japan. Ecotoxicology and Environmental Safety, 2014, 99, 69-73.	2.9	41
38	Antiandrogenic activity of extracts of diesel exhaust particles emitted from diesel-engine truck under different engine loads and speeds. Toxicology, 2004, 195, 243-254.	2.0	40
39	Direct-acting mutagenicity of extracts of coal burning-derived particulates and contribution of nitropolycyclic aromatic hydrocarbons. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 581, 91-95.	0.9	40
40	Improvement of an Automatic HPLC System for Nitropolycyclic Aromatic Hydrocarbons: Removal of an Interfering Peak and Increase in the Number of Analytes.. Analytical Sciences, 2003, 19, 249-253.	0.8	39
41	Hair analysis of nicotine and cotinine for evaluating tobacco smoke exposure by liquid chromatography-mass spectrometry. Biomedical Chromatography, 2004, 18, 655-661.	0.8	39
42	Exposures to Particulate Air Pollution and Nitro-Polycyclic Aromatic Hydrocarbons among Taxi Drivers in Shenyang, China. Environmental Science & Technology, 2010, 44, 216-221.	4.6	39
43	Atmospheric chlorinated polycyclic aromatic hydrocarbons in East Asia. Chemosphere, 2014, 111, 40-46.	4.2	39
44	Atmospheric behaviors of polycyclic aromatic hydrocarbons at a Japanese remote background site, Noto peninsula, from 2004 to 2014. Atmospheric Environment, 2015, 120, 144-151.	1.9	38
45	The Characteristics of Polycyclic Aromatic Hydrocarbons in Different Emission Source Areas in Shenyang, China. International Journal of Environmental Research and Public Health, 2019, 16, 2817.	1.2	38
46	Development of an Amino Acid Sequence andd/l-Configuration Determination Method of Peptide with a New Fluorescence Edman Reagent, 7-Methylthio-4-(2,1,3-benzoxadiazolyl) Isothiocyanate. Analytical Chemistry, 2000, 72, 732-739.	3.2	37
47	Amino acid sequence andD/L-configuration determination methods forD-amino acid-containing peptides in living organisms. Biomedical Chromatography, 2001, 15, 319-327.	0.8	36
48	Determination of Benzo[a]pyrene-7,10-quinone in Airborne Particulates by Using a Chemiluminescence Reaction of Hydrogen Peroxide and Hydrosulfite. Analytical Chemistry, 2012, 84, 3215-3221.	3.2	36
49	Evaluation of urinary metabolites of 1-nitropyrene as biomarkers for exposure to diesel exhaust in taxi drivers of Shenyang, China. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 170-175.	1.8	34
50	Factors affecting atmospheric 1-, 2-nitropyrenes and 2-nitrofluoranthene in winter at Noto peninsula, a remote background site, Japan. Chemosphere, 2014, 107, 324-330.	4.2	34
51	Direct measurement of the glucuronide conjugate of 1-hydroxypyrene in human urine by using liquid chromatography with tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 867, 259-263.	1.2	33
52	Determination of nivalenol and deoxynivalenol by liquid chromatography/atmospheric pressure photoionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 3119-3124.	0.7	33
53	Damage to and recovery of coastlines polluted with C-heavy oil spilled from the Nakhodka. Water Research, 2006, 40, 981-989.	5.3	32
54	A Method for Simultaneous Determination of 20 Fusarium Toxins in Cereals by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry with a Pentafluorophenyl Column. Toxins, 2015, 7, 1664-1682.	1.5	32

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55	Rapid and sensitive determination of tryptophan, serotonin and psychoactive tryptamines by thin-layer chromatography/fluorescence detection. Journal of Chromatography A, 2007, 1145, 229-233.	1.8	30
56	Yearly variation in characteristics and health risk of polycyclic aromatic hydrocarbons and nitro-PAHs in urban shanghai from 2010â€“2018. Journal of Environmental Sciences, 2021, 99, 72-79.	3.2	30
57	Method for determining monohydroxybenzo[a]pyrene isomers using column-switching high-performance liquid chromatography. Analytical Biochemistry, 2003, 312, 14-22.	1.1	28
58	Polycyclic Aromatic Hydrocarbons in Surface Water of the Southeastern Japan Sea. Chemical and Pharmaceutical Bulletin, 2016, 64, 625-631.	0.6	28
59	Long-Term Trends in Urban Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons: China, Russia, and Korea from 1999 to 2014. International Journal of Environmental Research and Public Health, 2020, 17, 431.	1.2	28
60	Atmospheric Formation of Hydroxynitropyrenes from a Photochemical Reaction of Particle-Associated 1-Nitropyrene. Environmental Science & Technology, 2011, 45, 3325-3332.	4.6	27
61	Biological Effects of Polycyclic Aromatic Hydrocarbon Derivatives. Journal of UOEH, 2013, 35, 17-24.	0.3	27
62	Emission Characteristics of Polycyclic Aromatic Hydrocarbons and Nitro-Polycyclic Aromatic Hydrocarbons from Open Burning of Rice Straw in the North of Vietnam. International Journal of Environmental Research and Public Health, 2019, 16, 2343.	1.2	27
63	A Survey of the Occurrence of Fusarium Mycotoxins in Biscuits in Japan by Using LC/MS. Journal of Health Science, 2010, 56, 188-194.	0.9	25
64	Quantification of 2-hydroxyfluorene in human urine by column-switching high performance liquid chromatography with fluorescence detection. Analyst, The, 2003, 128, 605.	1.7	24
65	Determination of Fusarium mycotoxins by liquid chromatography/tandem mass spectrometry coupled with immunoaffinity extraction. Rapid Communications in Mass Spectrometry, 2010, 24, 2445-2452.	0.7	24
66	Recent Changes in Atmospheric Polycyclic Aromatic Hydrocarbons (PAHs) and Nitropolycyclic Aromatic Hydrocarbons (NPAHs) in Shenyang, China. Environmental Forensics, 2011, 12, 342-348.	1.3	24
67	Polycyclic aromatic hydrocarbons and their nitro derivatives from indoor biomass-fueled cooking in two rural areas of Thailand: a case study. Air Quality, Atmosphere and Health, 2017, 10, 747-761.	1.5	24
68	Characteristics of Polycyclic Aromatic Hydrocarbons (PAHs) and Common Air Pollutants at Wajima, a Remote Background Site in Japan. International Journal of Environmental Research and Public Health, 2020, 17, 957.	1.2	24
69	Homologue and isomer distribution of dioxins observed in water samples collected from Kahokugata Lagoon and inflowing rivers, Japan. Water Research, 2006, 40, 1929-1940.	5.3	23
70	Identification of estrogenic/anti-estrogenic compounds in diesel exhaust particulate extract. Biomedical Chromatography, 2007, 21, 1135-1142.	0.8	22
71	Matrix Behavior during Sample Preparation Using Metabolomics Analysis Approach for Pesticide Residue Analysis by GC-MS in Agricultural Products. Journal of Agricultural and Food Chemistry, 2012, 60, 10226-10234.	2.4	22
72	Simultaneous determination of polycyclic aromatic hydrocarbon quinones by gas chromatography-tandem mass spectrometry, following a one-pot reductive trimethylsilyl derivatization. Journal of Chromatography A, 2016, 1459, 89-100.	1.8	22

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73	Characteristics and unique sources of polycyclic aromatic hydrocarbons and nitro-polycyclic aromatic hydrocarbons in PM2.5Âat a highland background site in northwestern Chinaâ˜†. Environmental Pollution, 2021, 274, 116527.	3.7	22
74	URINARY 2-HYDROXYFLUORENE AND 1-HYDROXYPYRENE LEVELS IN SMOKERS AND NONSMOKERS IN JAPAN AND THAILAND. Polycyclic Aromatic Compounds, 2004, 24, 467-474.	1.4	21
75	Analysis of 1-nitropyrene in air particulate matter standard reference materials by using two-dimensional high performance liquid chromatography with online reduction and tandem mass spectrometry detection. Journal of Chromatography A, 2007, 1167, 154-160.	1.8	21
76	Search of components causing matrix effects on GC/MS for pesticide analysis in food. Journal of Pesticide Sciences, 2012, 37, 156-163.	0.8	21
77	Identification and Quantification of in Vivo Metabolites of 9,10-Phenanthrenequinone in Human Urine Associated with Producing Reactive Oxygen Species. Chemical Research in Toxicology, 2014, 27, 76-85.	1.7	21
78	Recent analytical methods for atmospheric polycyclic aromatic hydrocarbons and their derivatives. Biomedical Chromatography, 2017, 31, e3862.	0.8	21
79	Polycyclic aromatic hydrocarbons and nitro-polycyclic aromatic hydrocarbons in five East Asian cities: Seasonal characteristics, health risks, and yearly variations. Environmental Pollution, 2021, 287, 117360.	3.7	21
80	Characteristics of Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Hanoi-Vietnam, as a Typical Motorbike City. Polycyclic Aromatic Compounds, 2012, 32, 296-312.	1.4	20
81	Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Atmospheric Particles and Soil at a Traffic Site in Hanoi, Vietnam. Polycyclic Aromatic Compounds, 2015, 35, 355-371.	1.4	20
82	Characteristics and Health Risks of Particulate Polycyclic Aromatic Hydrocarbons and Nitro-polycyclic Aromatic Hydrocarbons at Urban and Suburban Elementary Schools in Shanghai, China. Asian Journal of Atmospheric Environment, 2019, 13, 266-275.	0.4	20
83	Transfer of Polycyclic Aromatic Hydrocarbons to Fetuses and Breast Milk of Rats Exposed to Diesel Exhaust. Journal of Health Science, 2004, 50, 497-502.	0.9	19
84	Atmospheric Behaviors of Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in East Asia. Asian Journal of Atmospheric Environment, 2007, 1, 19-27.	0.4	19
85	Analysis of 8-hydroxy-2â€²-deoxyguanosine in human urine using hydrophilic interaction chromatography with tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 893-894, 173-176.	1.2	18
86	Determination of Selected Nitropolycyclic Aromatic Hydrocarbons in Water Samples. Chemical and Pharmaceutical Bulletin, 2013, 61, 1269-1274.	0.6	18
87	Monohydroxylated polycyclic aromatic hydrocarbons influence spicule formation in the early development of sea urchins (Hemicentrotus pulcherrimus). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 171, 55-60.	1.3	17
88	Nitro-PAH exposures of occupationally-exposed traffic workers and associated urinary 1-nitropyrene metabolite concentrations. Journal of Environmental Sciences, 2016, 49, 213-221.	3.2	17
89	Comparative Analysis of PM2.5-Bound Polycyclic Aromatic Hydrocarbons (PAHs), Nitro-PAHs (NPAHs), and Water-Soluble Inorganic Ions (WSIIs) at Two Background Sites in Japan. International Journal of Environmental Research and Public Health, 2020, 17, 8224.	1.2	17
90	Long-term variability of inorganic ions in TSP at a remote background site in Japan (Wajima) from 2005 to 2015. Chemosphere, 2021, 264, 128427.	4.2	17

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91	Distribution and Source of Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Tieling City, Liaoning Province, a Typical Local City in Northeast China. Asian Journal of Atmospheric Environment, 2009, 3, 52-58.	0.4	17
92	Hydrogen peroxideâ€“sodium hydrosulfite chemiluminescence system combined with high-performance liquid chromatography for determination of 1-hydroxypyrene in airborne particulates. Talanta, 2011, 85, 2711-2714.	2.9	16
93	Assessing Approaches of Human Inhalation Exposure to Polycyclic Aromatic Hydrocarbons: A Review. International Journal of Environmental Research and Public Health, 2021, 18, 3124.	1.2	16
94	Detection of DBD-Carbamoyl Amino Acids in Amino Acid Sequence andConfiguration Determination of Peptides with Fluorogenic Edman Reagent 7-[(N,N-Dimethylamino)sulfonyl]-2,1,3- benzoxadiazol-4-yl Isothiocyanate. Analytical Biochemistry, 1999, 270, 257-267.	1.1	15
95	Considerations of Atmospheric Behaviors of Polycyclic Aromatic Hydrocarbons, Nitropolycyclic Aromatic Hydrocarbons and Inorganic Pollutants Based on Their Interrelationships.. Journal of Health Science, 2001, 47, 385-393.	0.9	15
96	Biomarkers of Exposure to Polycyclic Aromatic Hydrocarbons and Related Compounds. Journal of Health Science, 2007, 53, 631-638.	0.9	15
97	Thin Layer Chromatography/Fluorescence Detection of 3,4â€Methylenedioxyâ€Methamphetamine and Related Compounds. Journal of Forensic Sciences, 2008, 53, 1367-1371.	0.9	14
98	Determination of airborne particle-associated benz[a]anthracene-7,12-quinone using high-performance liquid chromatography with in-line reduction and fluorescence detection. Journal of Chromatography A, 2009, 1216, 6758-6761.	1.8	14
99	Estrogenic/Antiestrogenic Activities of Quinoid Polycyclic Aromatic Hydrocarbons. Journal of Health Science, 2011, 57, 274-280.	0.9	14
100	On-Line Concentration and Fluorescence Determination HPLC for Polycyclic Aromatic Hydrocarbons in Seawater Samples and Its Application to Japan Sea. Chemical and Pharmaceutical Bulletin, 2012, 60, 531-535.	0.6	14
101	Polychlorinated biphenyl (118) activates osteoclasts and induces bone resorption in goldfish. Environmental Science and Pollution Research, 2014, 21, 6365-6372.	2.7	14
102	Size Distribution of Chlorinated Polycyclic Aromatic Hydrocarbons in Atmospheric Particles. Archives of Environmental Contamination and Toxicology, 2017, 72, 58-64.	2.1	14
103	Calculating sources of combustion-derived particulates using 1-nitropyrene and pyrene as markers. Environmental Pollution, 2020, 265, 114730.	3.7	14
104	Impact of COVID-19 Outbreak on the Long-Range Transport of Common Air Pollutants in KUWAMS. Chemical and Pharmaceutical Bulletin, 2021, 69, 237-245.	0.6	14
105	Atmospheric Polycyclic and Nitropolycyclic Aromatic Hydrocarbons in an Iron-manufacturing City. Asian Journal of Atmospheric Environment, 2016, 10, 90-98.	0.4	14
106	Antiestrogenic Activity of Extracts of Diesel Exhaust Particulate Matter in MCF-7 Human Breast Carcinoma Cells. Polycyclic Aromatic Compounds, 2002, 22, 747-759.	1.4	13
107	A New Luciferase Reporter Gene Assay for the Detection of Androgenic and Antiandrogenic Effects Based on a Human Prostate Specific Antigen Promoter and PC3/AR Human Prostate Cancer Cells. Analytical Sciences, 2004, 20, 55-59.	0.8	13
108	Emission factors of selected air pollutants from rice straw burning in Hanoi, Vietnam. Air Quality, Atmosphere and Health, 2021, 14, 1757-1771.	1.5	13

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109	Simultaneous Determination of Polycyclic Aromatic Hydrocarbons and Their Nitro-derivatives in Airborne Particulates by Using Two-dimensional High-performance Liquid Chromatography with On-line Reduction and Fluorescence Detection. Asian Journal of Atmospheric Environment, 2017, 11, 283-299.	0.4	13
110	Determination of particle-associated hydroxynitropyrenes with correction for chemical degradation on a quartz fibre filter during high volume air sampling. International Journal of Environmental Analytical Chemistry, 2010, 90, 976-987.	1.8	12
111	Characterization of Fumonisin A-Series by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry. Toxins, 2014, 6, 2580-2593.	1.5	12
112	Natural aeolian dust particles have no substantial effect on atmospheric polycyclic aromatic hydrocarbons (PAHs): A laboratory study based on naphthalene. Environmental Pollution, 2020, 263, 114454.	3.7	12
113	SIMULTANEOUS DETERMINATION OF TWENTY-ONE MUTAGENIC NITROPOLYCYCLIC AROMATIC HYDROCARBONS BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY WITH CHEMILUMINESCENCE DETECTION. , 2005, , .		12
114	INTERACTION OF HYDROXYLATED POLYCYCLIC AROMATIC HYDROCARBONS TO ESTROGEN RECEPTOR. Polycyclic Aromatic Compounds, 2008, 28, 382-391.	1.4	11
115	Activation of 5-Lipoxygenase and NF-Î²B in the Action of Acenaphthenequinone by Modulation of Oxidative Stress. Toxicological Sciences, 2008, 101, 152-158.	1.4	11
116	Dechlorane Plus and decabromodiphenyl ether in atmospheric particles of northeast Asian cities. Environmental Science and Pollution Research, 2015, 22, 14600-14605.	2.7	11
117	Characteristics and Health Risks of Polycyclic Aromatic Hydrocarbons and Nitro-PAHs in Xinxiang, China in 2015 and 2017. International Journal of Environmental Research and Public Health, 2021, 18, 3017.	1.2	11
118	Development of PM0.1 Personal Sampler for Evaluation of Personal Exposure to Aerosol Nanoparticles. Aerosol and Air Quality Research, 2015, 15, 180-187.	0.9	11
119	Comparison of four fluorescence Edman reagents with benzofurazan structure for the detection of thiazolinone amino acid derivatives. Analyst, The, 1999, 124, 43-48.	1.7	10
120	Mutagenicities and Endocrine-disrupting Activities of 1-Hydroxy-2-nitropyrene and 1-Hydroxy-5-nitropyrene. Journal of Health Science, 2011, 57, 372-377.	0.9	10
121	Atmospheric Behaviors of Polycyclic Aromatic Hydrocarbons in East Asia. Genes and Environment, 2014, 36, 152-159.	0.9	10
122	Seawater Polluted with Highly Concentrated Polycyclic Aromatic Hydrocarbons Suppresses Osteoblastic Activity in the Scales of Goldfish,Carassius auratus. Zoological Science, 2016, 33, 407-413.	0.3	10
123	VARIATION IN THE ANTIANDROGENIC ACTIVITY OF DIESEL EXHAUST PARTICULATES EMITTED UNDER DIFFERENT ENGINE LOADS. Polycyclic Aromatic Compounds, 2004, 24, 743-757.	1.4	9
124	Comparison of Compositions of Polychlorinated Dibenzo-p-dioxins (PCDDs) and Dibenzofurans (PCDFs) in Air and Soil Samples Collected in Ishikawa. Journal of Health Science, 2004, 50, 58-65.	0.9	9
125	Evaluation of Endocrine Disrupting Activities of Monohydroxylated Derivatives of 1-nitropyrene by Yeast Two-hybrid Assay. Journal of Health Science, 2008, 54, 118-122.	0.9	9
126	Characteristics of Atmospheric Polycyclic Aromatic Hydrocarbons in Shenyang, Shanghai and Fuzhou, China. Bunseki Kagaku, 2013, 62, 267-273.	0.1	9

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127	Identification and Characterization of Oxidative Metabolites of 1-Chloropyrene. Chemical Research in Toxicology, 2015, 28, 1728-1736.	1.7	9
128	Identification and Quantification of Fumonisin A1, A2, and A3 in Corn by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry. Toxins, 2015, 7, 582-592.	1.5	9
129	Benzo[c]fluorene in Urban Air: HPLC Determination and Mutagenic Contribution Relative to Benzo[a]pyrene. Analytical Sciences, 2016, 32, 233-236.	0.8	9
130	Simple Method for Determination of Fungicides in Citrus Fruits by Liquid Chromatographyâ€“Tandem Mass Spectrometry. Food Analytical Methods, 2016, 9, 3345-3351.	1.3	9
131	Personal inhalation exposure to polycyclic aromatic hydrocarbons and their nitro-derivatives in rural residents in northern Thailand. Environmental Monitoring and Assessment, 2017, 189, 510.	1.3	9
132	Determination of 1-nitropyrene metabolites by high-performance liquid chromatography with chemiluminescence detection. Journal of Chromatography A, 2006, 1107, 286-289.	1.8	8
133	Determination of 1-nitropyrene in low volume ambient air samples by high-performance liquid chromatography with fluorescence detection. Journal of Chromatography A, 2009, 1216, 4625-4628.	1.8	8
134	Decrease in the matrix effect of GC/MS by a gold-plated ion source. Journal of Pesticide Sciences, 2012, 37, 148-155.	0.8	8
135	Air Pollution with Particulate Matter and Mutagens: Relevance of Asian Dust to Mutagenicity of Airborne Particles in Japan. Genes and Environment, 2014, 36, 120-136.	0.9	8
136	Investigation of inflammation inducing substances in PM2.5 particles by an elimination method using thermal decomposition. Environmental Toxicology, 2019, 34, 1137-1148.	2.1	8
137	What is necessary for nextâ€generation atmospheric environmental standards? Recent research trends for PM 2.5 â€bound polycyclic aromatic hydrocarbons and their derivatives. Biomedical Chromatography, 2021, 35, e5038.	0.8	8
138	Atmospheric Behaviour of Polycyclic and Nitro-Polycyclic Aromatic Hydrocarbons and Water-Soluble Inorganic Ions in Winter in Kirishima, a Typical Japanese Commercial City. International Journal of Environmental Research and Public Health, 2021, 18, 688.	1.2	8
139	Urinary 1-aminopyrene level in Koreans as a biomarker for the amount of exposure to atmospheric 1-nitropyrene. Toxicological Research, 2022, 38, 45-51.	1.1	8
140	Hydroxylated benzo[c]phenanthrene metabolites cause osteoblast apoptosis and skeletal abnormalities in fish. Ecotoxicology and Environmental Safety, 2022, 234, 113401.	2.9	8
141	Semi-automatic amino acid sequencing and D/L-configuration determination of peptides with detection of liberated N-terminal phenylthiocarbamoylamino acids. Analyst, The, 1998, 123, 2829-2834.	1.7	7
142	BF3â€“methanol as a cyclization/cleavage/conversion reagent for suppression of amino acid racemization in Edman sequencing and l-configuration determination method. Analytica Chimica Acta, 2001, 429, 293-300.	2.6	7
143	Long-range transport of fluoride in East Asia monitored at Noto Peninsula, Japan. Science of the Total Environment, 2009, 407, 4681-4686.	3.9	7
144	An analytical method for measuring Î±â€amylase activity in starchâ€containing foods. Biomedical Chromatography, 2013, 27, 583-588.	0.8	7

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145	Antiestrogenic Activity of Extracts of Diesel Exhaust Particulate Matter in MCF-7 Human Breast Carcinoma Cells. , 0, .		7
146	Development of a Sharp-Cut Inertial Filter Combined with an Impactor. Aerosol and Air Quality Research, 2017, 17, 644-652.	0.9	7
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