

# Kazuichi Hayakawa

## List of Publications by Year in descending order

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63  
papers

1,527  
citations

304743

22  
h-index

330143

37  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term and Seasonal Changes in Sources of Urban Atmospheric Particulates in the Western Pacific. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2149.	2.5	4
2	Different Transport Behaviors between Asian Dust and Polycyclic Aromatic Hydrocarbons in Urban Areas: Monitoring in Fukuoka and Kanazawa, Japan. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5404.	2.5	3
3	What is necessary for next-generation atmospheric environmental standards? Recent research trends for PM 2.5-bound polycyclic aromatic hydrocarbons and their derivatives. <i>Biomedical Chromatography</i> , 2021, 35, e5038.	1.7	8
4	Concentrations and Sources of Atmospheric PM, Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Kanazawa, Japan. <i>Atmosphere</i> , 2021, 12, 256.	2.3	9
5	Calculating source contributions to urban atmospheric polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons using 1-nitropyrene and pyrene: An application to an Asian dust event. <i>Chemosphere</i> , 2021, 280, 130662.	8.2	6
6	Calculating sources of combustion-derived particulates using 1-nitropyrene and pyrene as markers. <i>Environmental Pollution</i> , 2020, 265, 114730.	7.5	14
7	Long-Term Trends in Urban Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons: China, Russia, and Korea from 1999 to 2014. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 431.	2.6	28
8	The Characteristics of Polycyclic Aromatic Hydrocarbons in Different Emission Source Areas in Shenyang, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2817.	2.6	38
9	Sources and Characteristics of Polycyclic Aromatic Hydrocarbons in Ambient Total Suspended Particles in Ulaanbaatar City, Mongolia. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 442.	2.6	35
10	Long term trends in atmospheric concentrations of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons: A study of Japanese cities from 1997 to 2014. <i>Environmental Pollution</i> , 2018, 233, 474-482.	7.5	48
11	Estimation of Rate Constants for Gas-Phase Reactions of Chrysene, Benz[a]anthracene, and Benzanthrone with OH and NO <sub>3</sub> Radicals via a Relative Rate Method in CCl <sub>4</sub> Liquid Phase-System. <i>Polycyclic Aromatic Compounds</i> , 2017, 37, 101-105.	2.6	4
12	Recent analytical methods for atmospheric polycyclic aromatic hydrocarbons and their derivatives. <i>Biomedical Chromatography</i> , 2017, 31, e3862.	1.7	21
13	Associations of Cough Prevalence with Ambient Polycyclic Aromatic Hydrocarbons, Nitrogen and Sulphur Dioxide: A Longitudinal Study. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 800.	2.6	10
14	Polycyclic Aromatic Hydrocarbons in Surface Water of the Southeastern Japan Sea. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 625-631.	1.3	28
15	Environmental Behaviors and Toxicities of Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 83-94.	1.3	88
16	Mineral dust aerosols promote the formation of toxic nitropolycyclic aromatic compounds. <i>Scientific Reports</i> , 2016, 6, 24427.	3.3	45
17	Size Distribution of Dechloranes in Particulate Matter. <i>Journal of Environmental Chemistry</i> , 2016, 26, 89-93.	0.2	0
18	Spatial correlativity of atmospheric particulate components simultaneously collected in Japan. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 85.	2.7	0

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19	Simple Method for Determination of Fungicides in Citrus Fruits by Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2016, 9, 3345-3351.	2.6	9
20	Simultaneous determination of polycyclic aromatic hydrocarbon quinones by gas chromatography-tandem mass spectrometry, following a one-pot reductive trimethylsilyl derivatization. <i>Journal of Chromatography A</i> , 2016, 1459, 89-100.	3.7	22
21	Atmospheric Polycyclic and Nitropolycyclic Aromatic Hydrocarbons in an Iron-manufacturing City. <i>Asian Journal of Atmospheric Environment</i> , 2016, 10, 90-98.	1.1	14
22	Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Atmospheric Particles and Soil at a Traffic Site in Hanoi, Vietnam. <i>Polycyclic Aromatic Compounds</i> , 2015, 35, 355-371.	2.6	20
23	Simultaneous and sensitive analysis of aliphatic carboxylic acids by ion-chromatography using on-line complexation with copper(II) ion. <i>Journal of Chromatography A</i> , 2015, 1375, 49-53.	3.7	8
24	A Method for Simultaneous Determination of 20 Fusarium Toxins in Cereals by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry with a Pentafluorophenyl Column. <i>Toxins</i> , 2015, 7, 1664-1682.	3.4	32
25	Identification and Characterization of Oxidative Metabolites of 1-Chloropyrene. <i>Chemical Research in Toxicology</i> , 2015, 28, 1728-1736.	3.3	9
26	Reversed phase liquid chromatographic determination of organic acids using on-line complexation with copper(II) ion. <i>Analytica Chimica Acta</i> , 2015, 886, 194-199.	5.4	15
27	Identification and Quantification of Fumonisin A1, A2, and A3 in Corn by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry. <i>Toxins</i> , 2015, 7, 582-592.	3.4	9
28	Monohydroxylated polycyclic aromatic hydrocarbons influence spicule formation in the early development of sea urchins ( <i>Hemicentrotus pulcherrimus</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 171, 55-60.	2.6	17
29	Dechlorane Plus and decabromodiphenyl ether in atmospheric particles of northeast Asian cities. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14600-14605.	5.3	11
30	Atmospheric Behaviors of Polycyclic Aromatic Hydrocarbons in East Asia. <i>Genes and Environment</i> , 2014, 36, 152-159.	2.1	10
31	Characterization of Fumonisin A-Series by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry. <i>Toxins</i> , 2014, 6, 2580-2593.	3.4	12
32	Factors affecting atmospheric 1-, 2-nitropyrenes and 2-nitrofluoranthene in winter at Noto peninsula, a remote background site, Japan. <i>Chemosphere</i> , 2014, 107, 324-330.	8.2	34
33	Concentrations of <sup>137</sup> Cs and <sup>40</sup> K in wild mushrooms collected in a forest on Noto Peninsula, Japan. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 300, 707-717.	1.5	10
34	Atmospheric chlorinated polycyclic aromatic hydrocarbons in East Asia. <i>Chemosphere</i> , 2014, 111, 40-46.	8.2	39
35	Quantification of Polycyclic Aromatic Hydrocarbons (PAHs) in Cigarette Smoke Particulates by HPLC with Fluorescence Detection. <i>Bunseki Kagaku</i> , 2014, 63, 23-29.	0.2	1
36	Enantioseparation of Organic Acids and Monosaccharides by Novel Ligand Exchange-Capillary Electrophoresis. <i>Bunseki Kagaku</i> , 2014, 63, 371-382.	0.2	3

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37	Polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in particulates emitted by motorcycles. <i>Environmental Pollution</i> , 2013, 183, 175-183.	7.5	70
38	Characterization and Functionality of Imidazolium Ionic Liquids Modified Magnetic Nanoparticles. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	1.9	2
39	Characteristics of Atmospheric Polycyclic Aromatic Hydrocarbons in Shenyang, Shanghai and Fuzhou, China. <i>Bunseki Kagaku</i> , 2013, 62, 267-273.	0.2	9
40	Improvement of the Analytical Method for Quinoid Polycyclic Aromatic Hydrocarbons Using HPLC with In-line Reduction and Fluorescence Detection: Application to Soluble Organic Fraction of Airborne Particles. <i>Bunseki Kagaku</i> , 2013, 62, 979-984.	0.2	0
41	Study of Rosemary Peltate Glandular Trichomes Using Combined Morphological and Chemical Approach. <i>Food Science and Technology Research</i> , 2013, 19, 491-495.	0.6	5
42	Effect of Starch on the Inactivation of Amylase in Starch-Containing Foods. <i>Food Science and Technology Research</i> , 2013, 19, 989-993.	0.6	3
43	Characteristics of Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Hanoi-Vietnam, as a Typical Motorbike City. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 296-312.	2.6	20
44	Atmospheric Formation of Hydroxynitrofluoranthene from Photochemical Reactions of 2-Nitrofluoranthene. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 177-187.	2.6	2
45	Gene Expression Changes of Phases I and II Metabolizing Enzymes Induced by PAH Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 141-153.	2.6	4
46	Determination of Calcium Sensing Receptor in the Scales of Goldfish and Induction of Its mRNA Expression by Acceleration Loading. <i>Uchu Seibutsu Kagaku</i> , 2012, 26, 26-31.	0.3	5
47	Mutagenicities and Endocrine-disrupting Activities of 1-Hydroxy-2-nitropyrene and 1-Hydroxy-5-nitropyrene. <i>Journal of Health Science</i> , 2011, 57, 372-377.	0.9	10
48	Estrogenic/Antiestrogenic Activities of Quinoid Polycyclic Aromatic Hydrocarbons. <i>Journal of Health Science</i> , 2011, 57, 274-280.	0.9	14
49	Recent Changes in Atmospheric Polycyclic Aromatic Hydrocarbons (PAHs) and Nitropolycyclic Aromatic Hydrocarbons (NPAHs) in Shenyang, China. <i>Environmental Forensics</i> , 2011, 12, 342-348.	2.6	24
50	A Survey of the Occurrence of Fusarium Mycotoxins in Biscuits in Japan by Using LC/MS. <i>Journal of Health Science</i> , 2010, 56, 188-194.	0.9	25
51	Analysis of Phosphorus-containing Amino Acid-type Herbicides by Capillary Electrophoresis/Mass Spectrometry Using a Chemically Modified Capillary Having Amino Groups. <i>Journal of Health Science</i> , 2010, 56, 606-612.	0.9	20
52	Reproducible chiral capillary electrophoresis of methamphetamine and its related compounds using a chemically modified capillary having diol groups. <i>Forensic Toxicology</i> , 2010, 28, 19-24.	2.4	25
53	Indirect- and direct-acting mutagenicity of diesel, coal and wood burning-derived particulates and contribution of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 695, 29-34.	1.7	63
54	Determination of particle-associated hydroxynitropyrenes with correction for chemical degradation on a quartz fibre filter during high volume air sampling. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 976-987.	3.3	12

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55	Response of osteoblasts and osteoclasts in regenerating scales to gravity loading. Uchu Seibutsu Kagaku, 2009, 23, 211-217.	0.3	29
56	Evaluation of Toxic Activities of Polycyclic Aromatic Hydrocarbon Derivatives Using In Vitro Bioassays. Journal of Health Science, 2009, 55, 601-610.	0.9	52
57	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
58	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
59	Atmospheric Pollution and Its Countermeasure in East Asia from the Viewpoint of Polycyclic Aromatic Hydrocarbons. Journal of Health Science, 2009, 55, 870-878.	0.9	19
60	Particulate Polycyclic Aromatic Hydrocarbons and Their Nitrated Derivatives in Three Cities in Liaoning Province, China. Environmental Forensics, 2007, 8, 165-172.	2.6	46
61	Polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in urban air particulates and their relationship to emission sources in the Pan-Asian Japan Sea countries. Atmospheric Environment, 2005, 39, 5817-5826.	4.1	267
62	Diurnal Concentrations of 1,3-, 1,6-, 1,8-Dinitrophenylenes, 1-Nitropyrene and Benzo(a)pyrene in Air in Downtown Kanazawa and the Contribution of Diesel-Engine Vehicles.. Japanese Journal of Toxicology and Environmental Health, 1995, 41, 328-333.	0.1	30
63	Surface analysis of copper plates exposed to the ambient atmosphere at different distances from the Sea of Japan coastline by FT-IR reflection absorption spectroscopy.. Bunseki Kagaku, 1994, 43, 203-207.	0.2	1