# Kazuichi Hayakawa

List of Publications by Year
in descending order

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Version: 2024-02-01

| 63 | 1,527 | 304743 | 330143 |
|---|---|---|---|
| papers | citations | 22 h-index | 37 g-index |

| 65 | 65 | 65 | 1454 |
|---|---|---|---|
| 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. | 4.1 | 267 |
| 2 | Environmental Behaviors and Toxicities of Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons. Chemical and Pharmaceutical Bulletin, 2016, 64, 83-94. | 1.3 | 88 |
| 3 | Polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in particulates emitted by motorcycles. Environmental Pollution, 2013, 183, 175-183. | 7.5 | 70 |
| 4 | 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. | 1.7 | 63 |
| 5 | 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 |
| 6 | Evaluation of Toxic Activities of Polycyclic Aromatic Hydrocarbon Derivatives Using In Vitro Bioassays. Journal of Health Science, 2009, 55, 601-610. | 0.9 | 52 |
| 7 | 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. | 7.5 | 48 |
| 8 | Particulate Polycyclic Aromatic Hydrocarbons and Their Nitrated Derivatives in Three Cities in Liaoning Province, China. Environmental Forensics, 2007, 8, 165-172. | 2.6 | 46 |
| 9 | 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 |
| 10 | Mineral dust aerosols promote the formation of toxic nitropolycyclic aromatic compounds. Scientific Reports, 2016, 6, 24427. | 3.3 | 45 |
| 11 | Atmospheric chlorinated polycyclic aromatic hydrocarbons in East Asia. Chemosphere, 2014, 111, 40-46. | 8.2 | 39 |
| 12 | 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. | 2.6 | 38 |
| 13 | Sources and Characteristics of Polycyclic Aromatic Hydrocarbons in Ambient Total Suspended Particles in Ulaanbaatar City, Mongolia. International Journal of Environmental Research and Public Health, 2019, 16, 442. | 2.6 | 35 |
| 14 | Factors affecting atmospheric 1-, 2-nitropyrenes and 2-nitrofluoranthene in winter at Noto peninsula, a remote background site, Japan. Chemosphere, 2014, 107, 324-330. | 8.2 | 34 |
| 15 | 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. | 3.4 | 32 |
| 16 | Diurnal Concentrations of 1,3-, 1,6-, 1,8-Dinitrophyrenes, 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 |
| 17 | Response of osteoblasts and osteoclasts in regenerating scales to gravity loading. Uchu Seibutsu Kagaku, 2009, 23, 211-217. | 0.3 | 29 |
| 18 | Polycyclic Aromatic Hydrocarbons in Surface Water of the Southeastern Japan Sea. Chemical and Pharmaceutical Bulletin, 2016, 64, 625-631. | 1.3 | 28 |

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|---|---|---|---|
| 19 | 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. | 2.6 | 28 |
| 20 | 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 |
| 21 | Reproducible chiral capillary electrophoresis of methamphetamine and its related compounds using a chemically modified capillary having diol groups. Forensic Toxicology, 2010, 28, 19-24. | 2.4 | 25 |
| 22 | Recent Changes in Atmospheric Polycyclic Aromatic Hydrocarbons (PAHs) and Nitropolycyclic Aromatic Hydrocarbons (NPAHs) in Shenyang, China. Environmental Forensics, 2011, 12, 342-348. | 2.6 | 24 |
| 23 | 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. | 3.7 | 22 |
| 24 | Recent analytical methods for atmospheric polycyclic aromatic hydrocarbons and their derivatives. Biomedical Chromatography, 2017, 31, e3862. | 1.7 | 21 |
| 25 | Analysis of Phosphorus-containing Amino Acid-type Herbicides by Capillary Electrophoresis/Mass Spectrometry Using a Chemically Modified Capillary Having Amino Groups. Journal of Health Science, 2010, 56, 606-612. | 0.9 | 20 |
| 26 | 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. | 2.6 | 20 |
| 27 | 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. | 2.6 | 20 |
| 28 | 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 |
| 29 | 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. | 2.6 | 17 |
| 30 | Reversed phase liquid chromatographic determination of organic acids using on-line complexation with copper(II) ion. Analytica Chimica Acta, 2015, 886, 194-199. | 5.4 | 15 |
| 31 | Estrogenic/Antiestrogenic Activities of Quinoid Polycyclic Aromatic Hydrocarbons. Journal of Health Science, 2011, 57, 274-280. | 0.9 | 14 |
| 32 | Calculating sources of combustion-derived particulates using 1-nitropyrene and pyrene as markers. Environmental Pollution, 2020, 265, 114730. | 7.5 | 14 |
| 33 | Atmospheric Polycyclic and Nitropolycyclic Aromatic Hydrocarbons in an Iron-manufacturing City. Asian Journal of Atmospheric Environment, 2016, 10, 90-98. | 1.1 | 14 |
| 34 | 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. | 3.3 | 12 |
| 35 | Characterization of Fumonisin A-Series by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry. Toxins, 2014, 6, 2580-2593. | 3.4 | 12 |
| 36 | Dechlorane Plus and decabromodiphenyl ether in atmospheric particles of northeast Asian cities. Environmental Science and Pollution Research, 2015, 22, 14600-14605. | 5.3 | 11 |

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|---|---|---|---|
| 37 | 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 |
| 38 | Atmospheric Behaviors of Polycyclic Aromatic Hydrocarbons in East Asia. Genes and Environment, 2014, 36, 152-159. | 2.1 | 10 |
| 39 | Concentrations of 137Cs and 40K in wild mushrooms collected in a forest on Noto Peninsula, Japan. Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 707-717. | 1.5 | 10 |
| 40 | Associations of Cough Prevalence with Ambient Polycyclic Aromatic Hydrocarbons, Nitrogen and Sulphur Dioxide: A Longitudinal Study. International Journal of Environmental Research and Public Health, 2016, 13, 800. | 2.6 | 10 |
| 41 | Characteristics of Atmospheric Polycyclic Aromatic Hydrocarbons in Shenyang, Shanghai and Fuzhou, China. Bunseki Kagaku, 2013, 62, 267-273. | 0.2 | 9 |
| 42 | Identification and Characterization of Oxidative Metabolites of 1-Chloropyrene. Chemical Research in Toxicology, 2015, 28, 1728-1736. | 3.3 | 9 |
| 43 | Identification and Quantification of Fumonisin A1, A2, and A3 in Corn by High-Resolution Liquid Chromatography-Orbitrap Mass Spectrometry. Toxins, 2015, 7, 582-592. | 3.4 | 9 |
| 44 | Simple Method for Determination of Fungicides in Citrus Fruits by Liquid Chromatographyâ€“Tandem Mass Spectrometry. Food Analytical Methods, 2016, 9, 3345-3351. | 2.6 | 9 |
| 45 | Concentrations and Sources of Atmospheric PM, Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in Kanazawa, Japan. Atmosphere, 2021, 12, 256. | 2.3 | 9 |
| 46 | Simultaneous and sensitive analysis of aliphatic carboxylic acids by ion-chromatography using on-line complexation with copper(II) ion. Journal of Chromatography A, 2015, 1375, 49-53. | 3.7 | 8 |
| 47 | 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. | 1.7 | 8 |
| 48 | 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. Chemosphere, 2021, 280, 130662. | 8.2 | 6 |
| 49 | Study of Rosemary Peltate Glandular Trichomes Using Combined Morphological and Chemical Approach. Food Science and Technology Research, 2013, 19, 491-495. | 0.6 | 5 |
| 50 | Determination of Calcium Sensing Receptor in the Scales of Goldfish and Induction of Its mRNA Expression by Acceleration Loading. Uchu Seibutsu Kagaku, 2012, 26, 26-31. | 0.3 | 5 |
| 51 | Gene Expression Changes of Phases I and II Metabolizing Enzymes Induced by PAH Derivatives. Polycyclic Aromatic Compounds, 2012, 32, 141-153. | 2.6 | 4 |
| 52 | Estimation of Rate Constants for Gas-Phase Reactions of Chrysene, Benz[a]anthracene, and Benzanthrone with OH and NO3 Radicals via a Relative Rate Method in CCl4 Liquid Phase-System. Polycyclic Aromatic Compounds, 2017, 37, 101-105. | 2.6 | 4 |
| 53 | Long-Term and Seasonal Changes in Sources of Urban Atmospheric Particulates in the Western Pacific. Applied Sciences (Switzerland), 2022, 12, 2149. | 2.5 | 4 |
| 54 | Effect of Starch on the Inactivation of Amylase in Starch-Containing Foods. Food Science and Technology Research, 2013, 19, 989-993. | 0.6 | 3 |

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|---|---|---|---|
| 55 | Enantioseparation of Organic Acids and Monosaccharides by Novel Ligand Exchange-Capillary Electrophoresis. Bunseki Kagaku, 2014, 63, 371-382. | 0.2 | 3 |
| 56 | Different Transport Behaviors between Asian Dust and Polycyclic Aromatic Hydrocarbons in Urban Areas: Monitoring in Fukuoka and Kanazawa, Japan. Applied Sciences (Switzerland), 2022, 12, 5404. | 2.5 | 3 |
| 57 | Atmospheric Formation of Hydroxynitrofluoranthene from Photochemical Reactions of 2-Nitrofluoranthene. Polycyclic Aromatic Compounds, 2012, 32, 177-187. | 2.6 | 2 |
| 58 | Characterization and Functionality of Immidazolium Ionic Liquids Modified Magnetic Nanoparticles. Journal of Chemistry, 2013, 2013, 1-7. | 1.9 | 2 |
| 59 | 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 |
| 60 | Quantification of Polycyclic Aromatic Hydrocarbons (PAHs) in Cigarette Smoke Particulates by HPLC with Fluorescence Detection. Bunseki Kagaku, 2014, 63, 23-29. | 0.2 | 1 |
| 61 | 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. Bunseki Kagaku, 2013, 62, 979-984. | 0.2 | 0 |
| 62 | Size Distribution of Dechloranes in Particulate Matter . Journal of Environmental Chemistry, 2016, 26, 89-93. | 0.2 | 0 |
| 63 | Spatial correlativity of atmospheric particulate components simultaneously collected in Japan. Environmental Monitoring and Assessment, 2016, 188, 85. | 2.7 | 0 |