

Akiko Hokura

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

512
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840776

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677142

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all docs

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docs citations

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times ranked

661
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | In vivo analysis of metal distribution and expression of metal transporters in rice seed during germination process by microarray and X-ray Fluorescence Imaging of Fe, Zn, Mn, and Cu. <i>Plant and Soil</i> , 2009, 325, 39-51. | 3.7 | 103 |
| 2 | Micro X-ray fluorescence imaging and micro X-ray absorption spectroscopy of cadmium hyper-accumulating plant, <i>Arabidopsis halleri</i> ssp. <i>gemmifera</i> , using high-energy synchrotron radiation. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1068. | 3.0 | 93 |
| 3 | Arsenic distribution and speciation in an arsenic hyperaccumulator fern by X-ray spectrometry utilizing a synchrotron radiation source. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 321. | 3.0 | 65 |
| 4 | Effects of Cadmium Treatment on the Uptake and Translocation of Sulfate in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 2353-2366. | 3.1 | 47 |
| 5 | 2-D X-ray Fluorescence Imaging of Cadmium Hyperaccumulating Plants by Using High-energy Synchrotron Radiation X-ray Microbeam. <i>Chemistry Letters</i> , 2006, 35, 1246-1247. | 1.3 | 28 |
| 6 | A Peculiar Yellow Flower Coloration of <i>Camellia</i> Using Aluminum-flavonoid Interaction. <i>Japanese Society for Horticultural Science</i> , 2008, 77, 402-407. | 0.8 | 24 |
| 7 | Observation of Arsenic Transfer in Leaf Tissue of Hyperaccumulator Fern by Utilizing Synchrotron Radiation Micro-XRF Imaging. <i>Chemistry Letters</i> , 2008, 37, 32-33. | 1.3 | 19 |
| 8 | Visible cellular distribution of cadmium and zinc in the hyperaccumulator <i>Arabidopsis halleri</i> ssp. <i>gemmifera</i> determined by 2-D X-ray fluorescence imaging using high-energy synchrotron radiation. <i>Metallomics</i> , 2020, 12, 193-203. | 2.4 | 16 |
| 9 | High-Sensitive Determination of Inorganic Elements in Spinach Leaves by X-Ray Fluorescence Analysis and Its Application to Identification of Their Production Area. <i>Bunseki Kagaku</i> , 2007, 56, 1053-1061. | 0.2 | 15 |
| 10 | Determination of Trace Elements in Coffee Beans by XRF Spectrometer Equipped with Polarization Optics and Its Application to Identification of Their Production Area. <i>Bunseki Kagaku</i> , 2010, 59, 863-871. | 0.2 | 12 |
| 11 | Radiocesium accumulation in <i>Egeria densa</i> , a submerged plant – possible mechanism of cesium absorption. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 868. | 3.0 | 12 |
| 12 | Determination of Trace Elements in Wheat Flour by X-Ray Fluorescence Analysis and Its Application to Identification of Their Production Area. <i>Bunseki Kagaku</i> , 2009, 58, 1011-1022. | 0.2 | 11 |
| 13 | Distribution and Oxidation State of Arsenic in Root of Arsenic-Hyperaccumulator Fern, <i>Pteris vittata</i> L., by Using Synchrotron Radiation X-Ray Fluorescence Analysis. <i>Bunseki Kagaku</i> , 2006, 55, 743-748. | 0.2 | 9 |
| 14 | Synchrotron micro-X-ray fluorescence imaging of arsenic in frozen-hydrated sections of a root of <i>Pteris vittata</i> . <i>Metallomics</i> , 2021, 13, . | 2.4 | 9 |
| 15 | Lead Isotope Ratio Analysis of Bullet Samples by Using Quadrupole ICP-MS. <i>Bunseki Kagaku</i> , 2006, 55, 827-834. | 0.2 | 8 |
| 16 | Primary Study on Capturing Behavior for Transition Metal Ions on Mesoporous Silicate (MCM-41). <i>Journal of Ion Exchange</i> , 2003, 14, 173-176. | 0.3 | 8 |
| 17 | Analysis of Trace Element Compositions in Adhesive Cloth Tapes Using High-Energy X-Ray Fluorescence Spectrometer with Three-Dimensional Polarization Optics for Forensic Discrimination. <i>Bunseki Kagaku</i> , 2008, 57, 699-706. | 0.2 | 6 |
| 18 | Elucidation of tellurium biogenic nanoparticles in garlic, <i>Allium sativum</i> , by inductively coupled plasma-mass spectrometry. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 62, 126628. | 3.0 | 6 |

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|----|---|-----|-----------|
| 19 | Elucidation of crude siderophore extracts from supernatants of <i>Pseudomonas</i> sp. ZnCd2003 cultivated in nutrient broth supplemented with Zn, Cd, and Zn plus Cd. <i>Archives of Microbiology</i> , 2021, 203, 2863-2874. | 2.2 | 5 |
| 20 | Distributions of cadmium, zinc, and polyphenols in <i>Gamblea innovans</i> . <i>International Journal of Phytoremediation</i> , 2019, 21, 217-223. | 3.1 | 4 |
| 21 | Quantitative Analysis of Major and Minor Elements in Lead-free Solder Chip by LA-ICP-MS. <i>Analytical Sciences</i> , 2018, 34, 693-699. | 1.6 | 3 |
| 22 | Study on Chromium Accumulation Mechanism of Chinese Break Fern (<i>Pteris Vittata</i> L.) by Synchrotron Radiation X-ray Fluorescence Analysis. <i>Bunseki Kagaku</i> , 2015, 64, 801-810. | 0.2 | 2 |
| 23 | X-ray Fluorescence Spectrometry. <i>Analytical Sciences</i> , 2021, 37, 1-2. | 1.6 | 2 |
| 24 | Cold Plasma: Effective Control of Argon Emission Line Interferences on the Measurement of Rubidium by Axial-view ICP-OES. <i>Chemistry Letters</i> , 2017, 46, 1751-1753. | 1.3 | 1 |
| 25 | Sensitive Determination of Rb by Cool Plasma ICP-OES. <i>Bunseki Kagaku</i> , 2018, 67, 19-25. | 0.2 | 1 |
| 26 | Identification of Amorphous CaCO ₃ in Aqueous Solution Using XANES Analysis. <i>Chemistry Letters</i> , 2020, 49, 982-985. | 1.3 | 1 |
| 27 | Chemical Analysis of the Glass Vessel in Toshodajji Temple Designated a National Treasure Through a Portable X-Ray Fluorescence Spectrometer “Where Did the Glass Vessel Come From?”. , 2009, , 231-241. | | 1 |
| 28 | Determination of Trace Elements in Polished Asian Rice Using XRF spectrometer Equipped with Polarization Optics and Its Application to Identification of Their Production Area. <i>Bunseki Kagaku</i> , 2021, 70, 583-592. | 0.2 | 1 |
| 29 | Characterization of Dietary Salts Using an XRF Spectrometer with a Polarization System. <i>Bunseki Kagaku</i> , 2017, 66, 653-662. | 0.2 | 0 |