

Bei Wu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,784
citations

304743

22
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron isotope fractionation in soil and graminaceous crops after 100 years of liming in the long-term agricultural experimental site at Berlin-Dahlem, Germany. <i>European Journal of Soil Science</i> , 2021, 72, 289-299.	3.9	2
2	A century of liming affects the Mg isotopic composition of the soil and crops in a long-term agricultural field at Berlin-Dahlem, Germany. <i>European Journal of Soil Science</i> , 2021, 72, 300-312.	3.9	1
3	Uranium Vertical and Lateral Distribution in a German Forested Catchment. <i>Forests</i> , 2020, 11, 1351.	2.1	1
4	Critical accumulation of fertilizer-derived uranium in Icelandic grassland Andosol. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	11
5	Iron cycling and isotope fractionation in terrestrial ecosystems. <i>Earth-Science Reviews</i> , 2019, 190, 323-352.	9.1	62
6	A Dataset for Three-Dimensional Distribution of 39 Elements Including Plant Nutrients and Other Metals and Metalloids in the Soils of a Forested Headwater Catchment. <i>Journal of Environmental Quality</i> , 2017, 46, 1510-1518.	2.0	6
7	Dissolved and colloidal phosphorus fluxes in forest ecosystems—“an almost blind spot in ecosystem research. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 425-438.	1.9	125
8	Bioimaging mass spectrometry of trace elements – recent advance and applications of LA-ICP-MS: A review. <i>Analytica Chimica Acta</i> , 2014, 835, 1-18.	5.4	205
9	Quantitative imaging of the tissue contrast agent [Gd(DTPA)] ³⁺ in articular cartilage by laser ablation inductively coupled plasma mass spectrometry. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 204-209.	0.8	23
10	Diverse accumulation and distribution of nutrient elements in developing wheat grain studied by laser ablation inductively coupled plasma mass spectrometry imaging. <i>Metallomics</i> , 2013, 5, 1276.	2.4	44
11	Bioimaging of metals in rat brain hippocampus by laser microdissection inductively coupled plasma mass spectrometry (LMD-ICP-MS) using high-efficiency laser ablation chambers. <i>International Journal of Mass Spectrometry</i> , 2012, 323-324, 34-40.	1.5	21
12	Mass spectrometry imaging (MSI) of metals in mouse spinal cord by laser ablation ICP-MS. <i>Metallomics</i> , 2012, 4, 284.	2.4	28
13	Imaging techniques for elements and element species in plant science. <i>Metallomics</i> , 2012, 4, 403.	2.4	84
14	Mass spectrometric imaging of elements in biological tissues by new BrainMet technique—laser microdissection inductively coupled plasma mass spectrometry (LMD-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1653.	3.0	14
15	Mass spectrometric imaging (MSI) of metals using advanced BrainMet techniques for biomedical research. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 3-15.	1.5	42
16	Study of metal-containing proteins in the roots of <i>Elsholtzia splendens</i> using LA-ICP-MS and LC-tandem mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 85-91.	1.5	21
17	Imaging of elements and molecules in biological tissues and cells in the low-micrometer and nanometer range. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 112-122.	1.5	47
18	Copper Uptake and Its Effect on Metal Distribution in Root Growth Zones of <i>Commelina communis</i> Revealed by SRXRF. <i>Biological Trace Element Research</i> , 2011, 141, 294-304.	3.5	26

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19	Scaling down the bioimaging of metals by laser microdissection inductively coupled plasma mass spectrometry (LMD-ICP-MS). <i>International Journal of Mass Spectrometry</i> , 2010, 294, 1-6.	1.5	30
20	Cerebral bioimaging of Cu, Fe, Zn, and Mn in the MPTP mouse model of Parkinson's disease using laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 161-171.	2.8	181
21	Speciation and biochemical transformations of sulfur and copper in rice rhizosphere and bulk soil: XANES evidence of sulfur and copper associations. <i>Journal of Soils and Sediments</i> , 2010, 10, 907-914.	3.0	30
22	Bioimaging of metals by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Mass Spectrometry Reviews</i> , 2010, 29, 156-175.	5.4	267
23	Bioimaging of Metals and Biomolecules in Mouse Heart by Laser Ablation Inductively Coupled Plasma Mass Spectrometry and Secondary Ion Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 9528-9533.	6.5	72
24	Biomonitoring of essential and toxic metals in single hair using on-line solution-based calibration in laser ablation inductively coupled plasma mass spectrometry. <i>Talanta</i> , 2010, 82, 1770-1777.	5.5	73
25	Study of essential element accumulation in the leaves of a Cu-tolerant plant <i>Elsholtzia splendens</i> after Cu treatment by imaging laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Analytica Chimica Acta</i> , 2009, 633, 165-172.	5.4	57
26	Imaging of nutrient elements in the leaves of <i>Elsholtzia splendens</i> by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Talanta</i> , 2009, 78, 132-137.	5.5	116
27	Biomonitoring of metal contamination in a marine prosobranch snail (<i>Nassarius reticulatus</i>) by imaging laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Talanta</i> , 2009, 80, 428-433.	5.5	50
28	An X-ray absorption spectroscopy investigation of speciation and biotransformation of copper in <i>Elsholtzia splendens</i> . <i>Plant and Soil</i> , 2008, 302, 163-174.	3.7	62
29	Imaging of essential and toxic elements in biological tissues by LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1275.	3.0	53
30	Imaging of metals and metal-containing species in biological tissues and on gels by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS): A new analytical strategy for applications in life sciences. <i>Pure and Applied Chemistry</i> , 2008, 80, 2643-2655.	1.9	30