

Jolanta Mesjasz-PrzybyÅ,owicz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8451080/publications.pdf>

Version: 2024-02-01

26
papers

808
citations

687363

13
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	Arbuscular mycorrhiza of <i>Berkheya coddii</i> and other Ni-hyperaccumulating members of Asteraceae from ultramafic soils in South Africa. <i>Mycorrhiza</i> , 2003, 13, 185-190.	2.8	142
2	X-ray elemental mapping techniques for elucidating the ecophysiology of hyperaccumulator plants. <i>New Phytologist</i> , 2018, 218, 432-452.	7.3	104
3	Nickel biopathways in tropical nickel hyperaccumulating trees from Sabah (Malaysia). <i>Scientific Reports</i> , 2017, 7, 41861.	3.3	77
4	The effect of mycorrhiza on the growth and elemental composition of Ni-hyperaccumulating plant <i>Berkheya coddii</i> Roessler. <i>Environmental Pollution</i> , 2011, 159, 3730-3738.	7.5	73
5	Micro-PIXE in plant sciences: Present status and perspectives. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 189, 470-481.	1.4	65
6	Comparison of cytology and distribution of nickel in roots of Ni-hyperaccumulating and non-hyperaccumulating genotypes of <i>Senecio coronatus</i> . <i>Plant and Soil</i> , 2007, 293, 61-78.	3.7	52
7	Extreme nickel hyperaccumulation in the vascular tracts of the tree <i>Phyllanthus balgooyi</i> from Borneo. <i>New Phytologist</i> , 2016, 209, 1513-1526.	7.3	46
8	Degeneration of the midgut epithelium in <i>Epilachna</i> cf. <i>nylanderi</i> (Insecta, Coccinellidae): apoptosis, autophagy, and necrosis. <i>Canadian Journal of Zoology</i> , 2008, 86, 1179-1188.	1.0	42
9	X-ray microanalysis of biological material in the frozen-hydrated state by PIXE. <i>Microscopy Research and Technique</i> , 2007, 70, 55-68.	2.2	35
10	Mycorrhizal colonization affects the elemental distribution in roots of Ni-hyperaccumulator <i>Berkheya coddii</i> Roessler. <i>Environmental Pollution</i> , 2013, 175, 100-109.	7.5	35
11	Elemental distribution and chemical speciation of copper and cobalt in three metallophytes from the copper-cobalt belt in Northern Zambia. <i>Metallomics</i> , 2020, 12, 682-701.	2.4	23
12	Differentiation of Regenerative Cells in the Midgut Epithelium of <i>Epilachna</i> cf. <i>nylanderi</i> (Mulsant 1850) (Insecta, Coleoptera, Coccinellidae). <i>Folia Biologica</i> , 2010, 58, 209-216.	0.5	20
13	Abnormal concentrations of Cu-Co in <i>Haumaniastrum katangense</i> , <i>Haumaniastrum robertii</i> and <i>Aeolanthus biformifolius</i> : contamination or hyperaccumulation?. <i>Metallomics</i> , 2019, 11, 586-596.	2.4	17
14	X-ray fluorescence elemental mapping of roots, stems and leaves of the nickel hyperaccumulators <i>Rinorea</i> cf. <i>bengalensis</i> and <i>Rinorea</i> cf. <i>javanica</i> (Violaceae) from Sabah (Malaysia), Borneo. <i>Plant and Soil</i> , 2020, 448, 15-36.	3.7	11
15	Quantitative mapping of elemental distribution in leaves of the metallophytes <i>Helichrysum candolleianum</i> , <i>Blepharis aspera</i> , and <i>Blepharis diversispina</i> from Selkirk Cu-Ni mine, Botswana. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 363, 188-193.	1.4	10
16	Endosperm prevents toxic amounts of Zn from accumulating in the seed embryo – an adaptation to metalliferous sites in metal-tolerant <i>Biscutella laevigata</i> . <i>Metallomics</i> , 2020, 12, 42-53.	2.4	9
17	Synchrotron μ XRF imaging of live seedlings of <i>Berkheya coddii</i> and <i>Odontarrhena muralis</i> during germination and seedling growth. <i>Plant and Soil</i> , 2020, 453, 487-501.	3.7	9
18	Symbiotic interactions of culturable microbes with the nickel hyperaccumulator <i>Berkheya coddii</i> and the herbivorous insect <i>Chrysolina clathrata</i> . <i>Symbiosis</i> , 2012, 58, 209-220.	2.3	7

#	ARTICLE	IF	CITATIONS
19	Elemental Distribution in Reproductive and Neural Organs of the <i>Epilachna nylanderi</i> (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlook micro-PIXE. <i>Journal of Insect Science</i> , 2014, 14, 152.	1.5	6
20	Zinc allocation to and within <i>Arabidopsis halleri</i> seeds: Different strategies of metal homeostasis in accessions under divergent selection pressure. <i>Plant-Environment Interactions</i> , 2020, 1, 207-220.	1.5	5
21	Ecophysiology of nickel hyperaccumulating plants from South Africa – from ultramafic soil and mycorrhiza to plants and insects. <i>Metallomics</i> , 2020, 12, 1018-1035.	2.4	5
22	Multimodal synchrotron X-ray fluorescence imaging reveals elemental distribution in seeds and seedlings of the Zn–Cd–Ni hyperaccumulator <i>Noccaea caerulescens</i> . <i>Metallomics</i> , 2022, 14, .	2.4	5
23	Methods for Visualizing Elemental Distribution in Hyperaccumulator Plants. <i>Mineral Resource Reviews</i> , 2021, , 197-214.	1.5	4
24	Root Ultrastructure of <i>Senecio coronatus</i> Genotypes Differing in Ni Uptake. <i>Northeastern Naturalist</i> , 2009, 16, 351-365.	0.3	3
25	Convergent patterns of tissue-level distribution of elements in different tropical woody nickel hyperaccumulator species from Borneo Island. <i>AoB PLANTS</i> , 2020, 12, plaa058.	2.3	3
26	Contrasting patterns of nickel distribution in the hyperaccumulators <i>Phyllanthus balgooyi</i> and <i>Phyllanthus rufuschaneyi</i> from Malaysian Borneo. <i>Metallomics</i> , 2022, 14, .	2.4	0