

Antony van der Ent

List of Publications by Citations

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151
papers

3,707
citations

28
h-index

57
g-index

168
ext. papers

4,536
ext. citations

4.2
avg, IF

5.96
L-index

#	Paper	IF	Citations
151	Hyperaccumulators of metal and metalloid trace elements: Facts and fiction. <i>Plant and Soil</i> , 2013 , 362, 319-334	4.2	836
150	A global database for plants that hyperaccumulate metal and metalloid trace elements. <i>New Phytologist</i> , 2018 , 218, 407-411	9.8	295
149	Agromining: farming for metals in the future?. <i>Environmental Science & Technology</i> , 2015 , 49, 4773-80.3	10.3	188
148	Copper and cobalt accumulation in plants: a critical assessment of the current state of knowledge. <i>New Phytologist</i> , 2017 , 213, 537-551	9.8	135
147	Ultramafic nickel laterites in Indonesia (Sulawesi, Halmahera): Mining, nickel hyperaccumulators and opportunities for phytomining. <i>Journal of Geochemical Exploration</i> , 2013 , 128, 72-79	3.8	105
146	Hyperaccumulator Plants from China: A Synthesis of the Current State of Knowledge. <i>Environmental Science & Technology</i> , 2018 , 52, 11980-11994	10.3	104
145	Current status and challenges in developing nickel phytomining: an agronomic perspective. <i>Plant and Soil</i> , 2016 , 406, 55-69	4.2	85
144	Synchrotron-Based X-Ray Fluorescence Microscopy as a Technique for Imaging of Elements in Plants. <i>Plant Physiology</i> , 2018 , 178, 507-523	6.6	82
143	Metallophytes: the unique biological resource, its ecology and conservational status in Europe, central Africa and Latin America 7-40		81
142	X-ray elemental mapping techniques for elucidating the ecophysiology of hyperaccumulator plants. <i>New Phytologist</i> , 2018 , 218, 432-452	9.8	72
141	Ultramafic geoecology of South and Southeast Asia. <i>Botanical Studies</i> , 2017 , 58, 18	2.3	70
140	Ecology of nickel hyperaccumulator plants from ultramafic soils in Sabah (Malaysia). <i>Chemoecology</i> , 2015 , 25, 243-259	2	68
139	Nickel biopathways in tropical nickel hyperaccumulating trees from Sabah (Malaysia). <i>Scientific Reports</i> , 2017 , 7, 41861	4.9	64
138	Multi-element concentrations in plant parts and fluids of Malaysian nickel hyperaccumulator plants and some economic and ecological considerations. <i>Journal of Chemical Ecology</i> , 2015 , 41, 396-408	2.7	63
137	Nickel hyperaccumulation mechanisms: a review on the current state of knowledge. <i>Plant and Soil</i> , 2018 , 423, 1-11	4.2	54
136	Absorption of foliar-applied Zn in sunflower (<i>Helianthus annuus</i>): importance of the cuticle, stomata and trichomes. <i>Annals of Botany</i> , 2019 , 123, 57-68	4.1	48
135	Nickel translocation via the phloem in the hyperaccumulator <i>Noccaea caerulescens</i> (Brassicaceae). <i>Plant and Soil</i> , 2016 , 404, 35-45	4.2	47

134	Extreme nickel hyperaccumulation in the vascular tracts of the tree <i>Phyllanthus balgooyi</i> from Borneo. <i>New Phytologist</i> , 2016 , 209, 1513-26	9.8	41
133	Ecological implications of pedogenesis and geochemistry of ultramafic soils in Kinabalu Park (Malaysia). <i>Catena</i> , 2018 , 160, 154-169	5.8	36
132	Delimiting soil chemistry thresholds for nickel hyperaccumulator plants in Sabah (Malaysia). <i>Chemoecology</i> , 2016 , 26, 67-82	2	36
131	Simultaneous hyperaccumulation of nickel and cobalt in the tree <i>Glochidion cf. sericeum</i> (Phyllanthaceae): elemental distribution and chemical speciation. <i>Scientific Reports</i> , 2018 , 8, 9683	4.9	36
130	The first tropical "metal farm"—Some perspectives from field and pot experiments. <i>Journal of Geochemical Exploration</i> , 2019 , 198, 114-122	3.8	34
129	Phytoextraction of high value elements and contaminants from mining and mineral wastes: opportunities and limitations. <i>Plant and Soil</i> , 2020 , 449, 11-37	4.2	32
128	Nickel hyperaccumulation in <i>Antidesma montis-silam</i> : from herbarium discovery to collection in the native habitat. <i>Ecological Research</i> , 2018 , 33, 675-685	1.9	32
127	Contrasting nickel and zinc hyperaccumulation in subspecies of <i>Dichapetalum gelonioides</i> from Southeast Asia. <i>Scientific Reports</i> , 2018 , 8, 9659	4.9	31
126	The flora of ultramafic soils in the Australia-Pacific Region: state of knowledge and research priorities. <i>Australian Journal of Botany</i> , 2015 , 63, 173	1.2	30
125	Herbarium X-ray fluorescence screening for nickel, cobalt and manganese hyperaccumulator plants in the flora of Sabah (Malaysia, Borneo Island). <i>Journal of Geochemical Exploration</i> , 2019 , 202, 49-58	3.8	29
124	Zinc and lead accumulation characteristics and in vivo distribution of Zn ²⁺ in the hyperaccumulator <i>Noccaea caerulescens</i> elucidated with fluorescent probes and laser confocal microscopy. <i>Environmental and Experimental Botany</i> , 2018 , 147, 1-12	5.9	28
123	X-Ray Fluorescence Ionomics of Herbarium Collections. <i>Scientific Reports</i> , 2019 , 9, 4746	4.9	26
122	Foliar elemental profiles in the ultramafic flora of Kinabalu Park (Sabah, Malaysia). <i>Ecological Research</i> , 2018 , 33, 659-674	1.9	26
121	Plant diversity and ecology of ultramafic outcrops in Sabah (Malaysia). <i>Australian Journal of Botany</i> , 2015 , 63, 204	1.2	26
120	Characterisation and hydrometallurgical processing of nickel from tropical agromined bio-ore. <i>Hydrometallurgy</i> , 2017 , 169, 346-355	4	25
119	The accumulation and fractionation of Rare Earth Elements in hydroponically grown <i>Phytolacca americana</i> L.. <i>Plant and Soil</i> , 2017 , 421, 67-82	4.2	25
118	<i>Phyllanthus rufuschaneyi</i> : a new nickel hyperaccumulator from Sabah (Borneo Island) with potential for tropical agromining. <i>Botanical Studies</i> , 2018 , 59, 9	2.3	25
117	Vegetation on ultramafic edaphic "islands" in Kinabalu Park (Sabah, Malaysia) in relation to soil chemistry and elevation. <i>Plant and Soil</i> , 2016 , 403, 77-101	4.2	25

116	Commentary: Toward a more physiologically and evolutionarily relevant definition of metal hyperaccumulation in plants. <i>Frontiers in Plant Science</i> , 2015 , 6, 554	6.2	25
115	Foliar metal accumulation in plants from copper-rich ultramafic outcrops: case studies from Malaysia and Brazil. <i>Plant and Soil</i> , 2015 , 389, 401-418	4.2	25
114	Global Distribution and Ecology of Hyperaccumulator Plants. <i>Mineral Resource Reviews</i> , 2018 , 75-92	0.5	23
113	A systematic assessment of the occurrence of trace element hyperaccumulation in the flora of New Caledonia. <i>Botanical Journal of the Linnean Society</i> , 2020 , 194, 1-22	2.2	22
112	Sustaining metal-loving plants in mining regions. <i>Science</i> , 2012 , 337, 1172-3	33.3	21
111	Nickel phytomining from industrial wastes: Growing nickel hyperaccumulator plants on galvanic sludges. <i>Journal of Environmental Management</i> , 2020 , 254, 109798	7.9	21
110	Ecology of <i>Paphiopedilum rothschildianum</i> at the type locality in Kinabalu Park (Sabah, Malaysia). <i>Biodiversity and Conservation</i> , 2015 , 24, 1641-1656	3.4	20
109	Soil amendments affecting nickel uptake and growth performance of tropical metal crops used for agromining. <i>Journal of Geochemical Exploration</i> , 2019 , 203, 78-86	3.8	18
108	Chemical Speciation and Distribution of Cadmium in Rice Grain and Implications for Bioavailability to Humans. <i>Environmental Science & Technology</i> , 2020 , 54, 12072-12080	10.3	18
107	Assessing radiation dose limits for X-ray fluorescence microscopy analysis of plant specimens. <i>Annals of Botany</i> , 2020 , 125, 599-610	4.1	17
106	Growth effects in tropical nickel-agromining metal crops' in response to nutrient dosing. <i>Journal of Plant Nutrition and Soil Science</i> , 2019 , 182, 715-728	2.3	16
105	The discovery of nickel hyperaccumulation in the New Caledonian tree <i>Pycnandra acuminata</i> 40 years on: an introduction to a Virtual Issue. <i>New Phytologist</i> , 2018 , 218, 397-400	9.8	16
104	Effect of nickel concentration and soil pH on metal accumulation and growth in tropical agromining metal crops. <i>Plant and Soil</i> , 2019 , 443, 27-39	4.2	16
103	Phylogenetic and geographic distribution of nickel hyperaccumulation in neotropical Psychotria. <i>American Journal of Botany</i> , 2019 , 106, 1377-1385	2.7	16
102	Co-deposition of silicon with rare earth elements (REEs) and aluminium in the fern <i>Dicranopteris linearis</i> from China. <i>Plant and Soil</i> , 2019 , 437, 427-437	4.2	16
101	Tools for the Discovery of Hyperaccumulator Plant Species and Understanding Their Ecophysiology. <i>Mineral Resource Reviews</i> , 2018 , 117-133	0.5	16
100	Global research on ultramafic (serpentine) ecosystems (8th International Conference on Serpentine Ecology in Sabah, Malaysia): a summary and synthesis. <i>Australian Journal of Botany</i> , 2015 , 63, 1	1.2	15
99	Methods to Visualize Elements in Plants. <i>Plant Physiology</i> , 2020 , 182, 1869-1882	6.6	15

98	Spatially Resolved Localization of Lanthanum and Cerium in the Rare Earth Element Hyperaccumulator Fern from China. <i>Environmental Science & Technology</i> , 2020 , 54, 2287-2294	10.3	15
97	The Maia Detector and Event Mode. <i>Synchrotron Radiation News</i> , 2018 , 31, 21-27	0.6	15
96	A preliminary survey of nickel, manganese and zinc (hyper)accumulation in the flora of Papua New Guinea from herbarium X-ray fluorescence scanning. <i>Chemoecology</i> , 2020 , 30, 1-13	2	14
95	Evaluating soil extraction methods for chemical characterization of ultramafic soils in Kinabalu Park (Malaysia). <i>Journal of Geochemical Exploration</i> , 2019 , 196, 235-246	3.8	14
94	Bacterial community diversity in the rhizosphere of nickel hyperaccumulator species of Halmahera Island (Indonesia). <i>Applied Soil Ecology</i> , 2019 , 133, 70-80	5	14
93	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	4.5	13
92	Biogeochemistry of the flora of Weda Bay, Halmahera Island (Indonesia) focusing on nickel hyperaccumulation. <i>Journal of Geochemical Exploration</i> , 2019 , 202, 113-127	3.8	12
91	Uptake, translocation and accumulation of nickel and cobalt in Berkheya coddii, a 'metal crop' from South Africa. <i>Metallomics</i> , 2020 , 12, 1278-1289	4.5	12
90	Environmental geochemistry of the abandoned Mamut Copper Mine (Sabah) Malaysia. <i>Environmental Geochemistry and Health</i> , 2018 , 40, 189-207	4.7	11
89	Root foraging and avoidance in hyperaccumulator and excluder plants: a rhizotron experiment. <i>Plant and Soil</i> , 2020 , 450, 287-302	4.2	11
88	Toward Closing a Loophole: Recovering Rare Earth Elements from Uranium Metallurgical Process Tailings. <i>Jom</i> , 2021 , 73, 39-53	2.1	11
87	Abnormal concentrations of Cu-Co in Haumaniastrum katangense, Haumaniastrum robertii and Aelanthus biformifolius: contamination or hyperaccumulation?. <i>Metallomics</i> , 2019 , 11, 586-596	4.5	10
86	Habitat differentiation of obligate ultramafic Nepenthes endemic to Mount Kinabalu and Mount Tambuyukon (Sabah, Malaysia). <i>Plant Ecology</i> , 2015 , 216, 789-807	1.7	10
85	Actephila alanbakeri (Phyllanthaceae): a new nickel hyperaccumulating plant species from localised ultramafic outcrops in Sabah (Malaysia). <i>Botanical Studies</i> , 2015 , 57, 6	2.3	10
84	Rhizosphere chemistry and above-ground elemental fractionation of nickel hyperaccumulator species from Weda Bay (Indonesia). <i>Plant and Soil</i> , 2019 , 436, 543-563	4.2	9
83	Impacts of ultramafic outcrops in Peninsular Malaysia and Sabah on soil and water quality. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 333	3.1	9
82	Bacterial community diversity in the rhizosphere of nickel hyperaccumulator plant species from Borneo Island (Malaysia). <i>Environmental Microbiology</i> , 2020 , 22, 1649-1665	5.2	8
81	Global Distribution and Ecology of Hyperaccumulator Plants. <i>Mineral Resource Reviews</i> , 2021 , 133-154	0.5	8

80	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	4.2	8
79	Confocal Volumetric XRF and Fluorescence Computed Tomography Reveals Arsenic Three-Dimensional Distribution within Intact Fronds. <i>Environmental Science & Technology</i> , 2020 , 54, 745-757	10.3	8
78	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	4.5	8
77	Coupling nickel chemical speciation and isotope ratios to decipher nickel dynamics in the <i>Rinorea</i> cf. <i>bengalensis</i> -soil system in Malaysian Borneo. <i>Plant and Soil</i> , 2020 , 454, 225-243	4.2	8
76	Nickel hyperaccumulation in New Caledonian <i>Hybanthus</i> (Violaceae) and occurrence of nickel-rich phloem in <i>Hybanthus austrocaledonicus</i> . <i>Annals of Botany</i> , 2020 , 126, 905-914	4.1	7
75	Effects of reclamation effort on the recovery of ecosystem functions of a tropical degraded serpentinite dump site. <i>Journal of Geochemical Exploration</i> , 2019 , 200, 139-151	3.8	7
74	Spatially-resolved localization and chemical speciation of nickel and zinc in <i>Noccaea tymphaea</i> and <i>Bornmuellera emarginata</i> . <i>Metallomics</i> , 2019 , 11, 2052-2065	4.5	7
73	Incidence of hyperaccumulation and tissue-level distribution of manganese, cobalt, and zinc in the genus <i>Gossia</i> (Myrtaceae). <i>Metallomics</i> , 2021 , 13,	4.5	7
72	Are Grasses Really Useful for the Phytoremediation of Potentially Toxic Trace Elements? A Review.. <i>Frontiers in Plant Science</i> , 2021 , 12, 778275	6.2	6
71	Distribution and chemical form of selenium in <i>Neptunia amplexicaulis</i> from Central Queensland, Australia. <i>Metallomics</i> , 2020 , 12, 514-527	4.5	5
70	Stress responses and nickel and zinc accumulation in different accessions of <i>Stellaria media</i> (L.) Vill. in response to solution pH variation in hydroponic culture. <i>Plant Physiology and Biochemistry</i> , 2020 , 148, 133-141	5.4	5
69	Time-resolved laboratory micro-X-ray fluorescence reveals silicon distribution in relation to manganese toxicity in soybean and sunflower. <i>Annals of Botany</i> , 2020 , 126, 331-341	4.1	5
68	Nine new species of <i>Timonius</i> (Rubiaceae) from Kinabalu Park, Borneo. <i>Phytotaxa</i> , 2014 , 181, 138	0.7	5
67	Cobalt hyperaccumulation in <i>Rinorea</i> cf. <i>bengalensis</i> (Violaceae) from Sabah: accumulation potential and tissue and cellular-level distribution of cobalt. <i>Plant and Soil</i> , 2020 , 455, 289-303	4.2	5
66	Non-glandular trichomes of sunflower are important in the absorption and translocation of foliar-applied Zn. <i>Journal of Experimental Botany</i> , 2021 , 72, 5079-5092	7	5
65	<i>Blepharidium guatemalense</i> , an obligate nickel hyperaccumulator plant from non-ultramafic soils in Mexico. <i>Chemoecology</i> , 2021 , 31, 169-187	2	5
64	Metallophytes on Zn-Pb mineralised soils and mining wastes in Broken Hill, NSW, Australia. <i>Australian Journal of Botany</i> , 2018 , 66, 124	1.2	4
63	Global research on ultramafic (serpentine) ecosystems (8th International Conference on Serpentine Ecology in Sabah, Malaysia). <i>Australian Journal of Botany</i> , 2015 , 63, iii	1.2	4

62	Eriobotrya balgooyi (Rosaceae), a new obligate ultramafic endemic from Kinabalu Park, Borneo. <i>Plant Ecology and Evolution</i> , 2014 , 147, 134-140	1.6	4
61	Element Case Studies: Nickel (Tropical Regions). <i>Mineral Resource Reviews</i> , 2021 , 365-383	0.5	4
60	Soil chemistry, elemental profiles and elemental distribution in nickel hyperaccumulator species from New Caledonia. <i>Plant and Soil</i> , 2020 , 457, 293-320	4.2	4
59	Treasure from trash: Mining critical metals from waste and unconventional sources. <i>Science of the Total Environment</i> , 2021 , 758, 143673	10.2	4
58	Variation in rare earth element (REE), aluminium (Al) and silicon (Si) accumulation among populations of the hyperaccumulator Dicranopteris linearis in southern China. <i>Plant and Soil</i> , 2021 , 461, 565-578	4.2	4
57	Intensive cycling of nickel in a New Caledonian forest dominated by hyperaccumulator trees. <i>Plant Journal</i> , 2021 , 107, 1040-1055	6.9	4
56	PIXE imaging of hyperaccumulator plants using the Maia detector array. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 451, 73-78	1.2	3
55	Gynura tambuykonensis (Asteraceae), an obligate ultramafic species endemic to Mount Tambuykon (Kinabalu Park, Sabah, Malaysia). <i>Phytotaxa</i> , 2014 , 158, 291	0.7	3
54	Africa's Mineral Fortune		3
53	Tools for the Discovery of Hyperaccumulator Plant Species in the Field and in the Herbarium. <i>Mineral Resource Reviews</i> , 2021 , 183-195	0.5	3
52	Exceptional Uptake and Accumulation of Chemical Elements in Plants: Extending the Hyperaccumulation Paradigm. <i>Mineral Resource Reviews</i> , 2021 , 99-131	0.5	3
51	Rare earth elements (REE) in soils and plants of a uranium-REE mine site and exploration target in Central Queensland, Australia. <i>Plant and Soil</i> , 2021 , 464, 375	4.2	3
50	Improving tropical nickel agromining crop systems: the effects of chemical and organic fertilisation on nickel yield. <i>Plant and Soil</i> , 2021 , 465, 83-95	4.2	3
49	Root foraging and selenium uptake in the Australian hyperaccumulator Neptunia amplexicaulis and non-accumulator Neptunia gracilis. <i>Plant and Soil</i> , 2021 , 462, 219-233	4.2	3
48	The potential of for nickel agromining in Mexico and Central America. <i>International Journal of Phytoremediation</i> , 2021 , 23, 1157-1168	3.9	3
47	Simultaneous hyperaccumulation of rare earth elements, manganese and aluminum in Phytolacca americana in response to soil properties. <i>Chemosphere</i> , 2021 , 282, 131096	8.4	3
46	Frequency distribution of foliar nickel is bimodal in the ultramafic flora of Kinabalu Park (Sabah, Malaysia). <i>Annals of Botany</i> , 2020 , 126, 1017-1027	4.1	2
45	The potential of Zambian copper-cobalt metallophytes for phytoremediation of minerals wastes 2018 , 208-227		2

44	Methods for Visualizing Elemental Distribution in Hyperaccumulator Plants. <i>Mineral Resource Reviews</i> , 2021 , 197-214	0.5	2
43	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	4.2	2
42	Is the aquatic macrophyte <i>Crassula helmsii</i> a genuine copper hyperaccumulator?. <i>Plant and Soil</i> , 2021 , 464, 359	4.2	2
41	Variation in the ionome of tropical metal crops in response to soil potassium availability. <i>Plant and Soil</i> , 2021 , 465, 185-195	4.2	2
40	The biogeochemistry of copper metallophytes in the Roseby Corridor (North-West Queensland, Australia). <i>Chemoecology</i> , 2021 , 31, 19-30	2	2
39	Rare earth elements, aluminium and silicon distribution in the fern <i>Dicranopteris linearis</i> revealed by PIXE Maia analysis. <i>Annals of Botany</i> , 2021 , 128, 17-30	4.1	2
38	Contrasting phosphorus (P) accumulation in response to soil P availability in metal crops from P-impooverished soils. <i>Plant and Soil</i> , 2021 , 467, 155	4.2	2
37	Quantification of spatial metal accumulation patterns in <i>Noccaea caerulescens</i> by X-ray fluorescence image processing for genetic studies. <i>Plant Methods</i> , 2021 , 17, 86	5.8	2
36	Stocks and biogeochemical cycling of soil-derived nutrients in an ultramafic rain forest in New Caledonia. <i>Forest Ecology and Management</i> , 2022 , 509, 120049	3.9	2
35	Review on metal extraction technologies suitable for critical metal recovery from mining and processing wastes. <i>Minerals Engineering</i> , 2022 , 182, 107537	4.9	2
34	Comprehensive insights in thallium ecophysiology in the hyperaccumulator <i>Biscutella laevigata</i> . <i>Science of the Total Environment</i> , 2022 , 155899	10.2	2
33	Scandium biogeochemistry at the ultramafic Lucknow deposit, Queensland, Australia. <i>Journal of Geochemical Exploration</i> , 2019 , 204, 74-82	3.8	1
32	Recovery of ultramafic soil functions and plant communities along an age-gradient of the actinorhizal tree <i>Ceuthostoma terminale</i> (Casuarinaceae) in Sabah (Malaysia). <i>Plant and Soil</i> , 2019 , 440, 201-218	4.2	1
31	Distribution of aluminium in hydrated leaves of tea (<i>Camellia sinensis</i>) using synchrotron- and laboratory-based X-ray fluorescence microscopy. <i>Metallomics</i> , 2020 , 12, 1062-1069	4.5	1
30	Range extension of <i>Christisonia scortechinii</i> from mainland Southeast Asia into Borneo, and notes on the distinction between <i>Aeginetia</i> and <i>Christisonia</i> (Orobanchaceae). <i>Botanical Studies</i> , 2015 , 56, 28	2.3	1
29	<i>Pittosporum peridoticola</i> (Pittosporaceae), a new ultramafic obligate species restricted to Kinabalu Park (Sabah, Malaysia). <i>Botanical Studies</i> , 2015 , 57, 4	2.3	1
28	The Europium anomaly in plants: facts and fiction. <i>Plant and Soil</i> , 1	4.2	1
27	Fluoride hyperaccumulation in <i>Gastrolobium</i> species (Fabaceae) from Western Australia. <i>Australian Journal of Botany</i> , 2021 , 69, 516	1.2	1

26	Novel Insights Into the Hyperaccumulation Syndrome in (Sapotaceae). <i>Frontiers in Plant Science</i> , 2020 , 11, 559059	6.2	1
25	Quantification of nickel and cobalt mobility and accumulation via the phloem in the hyperaccumulator <i>Noccaea caerulescens</i> (Brassicaceae). <i>Metallomics</i> , 2021 , 13,	4.5	1
24	Manganese (hyper)accumulation within Australian <i>Denhamia</i> (Celastraceae): an assessment of the trait and manganese accumulation under controlled conditions. <i>Plant and Soil</i> , 2021 , 463, 205-223	4.2	1
23	Uptake of yttrium, lanthanum and neodymium in <i>Melastoma malabathricum</i> and <i>Dicranopteris linearis</i> from Malaysia. <i>Chemoecology</i> , 2021 , 31, 335-342	2	1
22	Root responses to localised soil arsenic enrichment in the fern <i>Pityrogramma calomelanos</i> var. <i>austramericana</i> grown in rhizoboxes. <i>Plant Physiology and Biochemistry</i> , 2021 , 164, 147-159	5.4	1
21	Tracking Metal Ions in Biology Using X-Ray Methods 2019 , 1-17		1
20	Bacterial community diversity and functional roles in the rhizosphere of <i>Rinorea</i> cf. <i>bengalensis</i> and <i>Phyllanthus rufuschaneyi</i> under a nickel concentration gradient. <i>Plant and Soil</i> , 2021 , 459, 343-355	4.2	1
19	Assessment of plant diversity and foliar chemistry on the Sri Lankan ultramafics reveals inconsistencies in the metal hyperaccumulator trait. <i>Ecological Research</i> , 2022 , 37, 215-227	1.9	1
18	Global Plant Ecology of Tropical Ultramafic Ecosystems. <i>Botanical Review</i> , <i>The</i> ,1	3.8	1
17	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	2.9	0
16	Soil-plant relationships of metallophytes of the zinc-lead-copper Dugald River gossan, Queensland, Australia. <i>Plant and Soil</i> ,1	4.2	0
15	Geochemical cycles of arsenic in historic tin tailings from multiple ore sources: an example from Australia. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	0
14	Manganese accumulation and tissue-level distribution in Australian <i>Macadamia</i> (Proteaceae) species. <i>Environmental and Experimental Botany</i> , 2021 , 104668	5.9	0
13	Isotopic signatures reveal zinc cycling in the natural habitat of hyperaccumulator <i>Dichapetalum gelonioides</i> subspecies from Malaysian Borneo. <i>BMC Plant Biology</i> , 2021 , 21, 437	5.3	0
12	In Situ Analysis of Nickel Uptake from Foliar Application in Pecan Using Instrumental μ XRF Analysis. <i>Journal of Soil Science and Plant Nutrition</i> ,1	3.2	0
11	Manganese Accumulation and Tissue-level Distribution in the Australian Hyperaccumulator <i>Gossia Bidwillii</i> (Myrtaceae). <i>Tropical Plant Biology</i> , 2022 , 15, 1-11	1.6	0
10	Contrasting nickel and manganese accumulation and localization in New Caledonian Cunoniaceae. <i>Plant and Soil</i> ,1	4.2	0
9	Interpopulation variation in nickel hyperaccumulation and potential for phytomining by <i>Odontarrhena penjwinensis</i> from Western Iran. <i>Journal of Geochemical Exploration</i> , 2022 , 237, 106985	3.8	0

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- 7 High natural bromine concentrations in organic Brazil Nuts from Bolivia. *Journal of Food Composition and Analysis*, **2022**, 110, 104533 4.1 ○
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