

Charlotte Poschenrieder

List of Publications by Year in descending order

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128
papers

8,188
citations

41258

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49773

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all docs

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docs citations

131
times ranked

8146
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Fast root growth responses, root exudates, and internal detoxification as clues to the mechanisms of aluminium toxicity and resistance: a review. <i>Environmental and Experimental Botany</i> , 2002, 48, 75-92. | 2.0 | 823 |
| 2 | Colonization with arbuscular mycorrhizal fungi improves salinity tolerance of tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 70 | 1.8 | 387 |
| 3 | A glance into aluminum toxicity and resistance in plants. <i>Science of the Total Environment</i> , 2008, 400, 356-368. | 3.9 | 349 |
| 4 | Trace element behaviour at the root–soil interface: Implications in phytoremediation. <i>Environmental and Experimental Botany</i> , 2009, 67, 243-259. | 2.0 | 340 |
| 5 | Influence of Cadmium on Water Relations, Stomatal Resistance, and Abscisic Acid Content in Expanding Bean Leaves. <i>Plant Physiology</i> , 1989, 90, 1365-1371. | 2.3 | 246 |
| 6 | Can metals defend plants against biotic stress?. <i>Trends in Plant Science</i> , 2006, 11, 288-295. | 4.3 | 228 |
| 7 | Do toxic ions induce hormesis in plants?. <i>Plant Science</i> , 2013, 212, 15-25. | 1.7 | 219 |
| 8 | Root cell patterning: a primary target for aluminium toxicity in maize. <i>Journal of Experimental Botany</i> , 2005, 56, 1213-1220. | 2.4 | 211 |
| 9 | A Role for Zinc in Plant Defense Against Pathogens and Herbivores. <i>Frontiers in Plant Science</i> , 2019, 10, 1171. | 1.7 | 182 |
| 10 | Arsenic and heavy metal contamination of soil and vegetation around a copper mine in Northern Peru. <i>Science of the Total Environment</i> , 1997, 203, 83-91. | 3.9 | 171 |
| 11 | Cell-Type-Specific H ⁺ -ATPase Activity in Root Tissues Enables K ⁺ Retention and Mediates Acclimation of Barley (<i>Hordeum vulgare</i>) to Salinity Stress. <i>Plant Physiology</i> , 2016, 172, 2445-2458. | 2.3 | 158 |
| 12 | Change in Apoplastic Aluminum during the Initial Growth Response to Aluminum by Roots of a Tolerant Maize Variety1. <i>Plant Physiology</i> , 1999, 119, 435-444. | 2.3 | 145 |
| 13 | Membrane transporters mediating root signalling and adaptive responses to oxygen deprivation and soil flooding. <i>Plant, Cell and Environment</i> , 2014, 37, 2216-2233. | 2.8 | 130 |
| 14 | Lessons from crop plants struggling with salinity. <i>Plant Science</i> , 2014, 226, 2-13. | 1.7 | 129 |
| 15 | Effective Use of Water and Increased Dry Matter Partitioned to Grain Contribute to Yield of Common Bean Improved for Drought Resistance. <i>Frontiers in Plant Science</i> , 2016, 7, 660. | 1.7 | 129 |
| 16 | Monitoring of aluminium-induced inhibition of root elongation in four maize cultivars differing in tolerance to aluminium and proton toxicity. <i>Physiologia Plantarum</i> , 1995, 93, 265-271. | 2.6 | 112 |
| 17 | Kinetics of xylem loading, membrane potential maintenance, and sensitivity of K ⁺ -permeable channels to reactive oxygen species: physiological traits that differentiate salinity tolerance between pea and barley. <i>Plant, Cell and Environment</i> , 2014, 37, 589-600. | 2.8 | 107 |
| 18 | The NPR1-dependent salicylic acid signalling pathway is pivotal for enhanced salt and oxidative stress tolerance in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 1865-1875. | 2.4 | 105 |

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|----|---|-----|-----------|
| 19 | Localization of aluminium in tea (<i>Camellia sinensis</i>) leaves using low energy X-ray fluorescence spectro-microscopy. <i>Journal of Plant Research</i> , 2011, 124, 165-172. | 1.2 | 103 |
| 20 | Water Relations of Chromium VI Treated Bush Bean Plants (<i>Phaseolus vulgaris</i> L. cv. Contender) under both Normal and Water Stress Conditions. <i>Journal of Experimental Botany</i> , 1986, 37, 178-187. | 2.4 | 96 |
| 21 | Phytoremediation capability of native plant species living on Pb-Zn and Hg-As mining wastes in the Cantabrian range, north of Spain. <i>Journal of Geochemical Exploration</i> , 2017, 174, 10-20. | 1.5 | 96 |
| 22 | Zinc hyperaccumulation in <i>Thlaspi caerulescens</i> . II. Influence on organic acids. <i>Journal of Plant Nutrition</i> , 1996, 19, 1541-1550. | 0.9 | 92 |
| 23 | Monitoring of aluminium-induced inhibition of root elongation in four maize cultivars differing in tolerance to aluminium and proton toxicity. <i>Physiologia Plantarum</i> , 1995, 93, 265-271. | 2.6 | 86 |
| 24 | Title is missing!. <i>Plant and Soil</i> , 2001, 230, 247-256. | 1.8 | 85 |
| 25 | Calcium and potassium permeable plasma membrane transporters are activated by copper in <i>Arabidopsis</i> root tips: linking copper transport with cytosolic hydroxyl radical production. <i>Plant, Cell and Environment</i> , 2013, 36, 844-855. | 2.8 | 85 |
| 26 | Different Effects of Aluminum on the Actin Cytoskeleton and Brefeldin A-Sensitive Vesicle Recycling in Root Apex Cells of Two Maize Varieties Differing in Root Elongation Rate and Aluminum Tolerance. <i>Plant and Cell Physiology</i> , 2009, 50, 528-540. | 1.5 | 84 |
| 27 | Mechanisms of aluminum-induced growth stimulation in tea (<i>Camellia sinensis</i>). <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 616-625. | 1.1 | 82 |
| 28 | Metabolism of carbamazepine in plant roots and endophytic rhizobacteria isolated from <i>Phragmites australis</i> . <i>Journal of Hazardous Materials</i> , 2018, 342, 85-95. | 6.5 | 81 |
| 29 | Boron-induced amelioration of aluminium toxicity in a monocot and a dicot species. <i>Journal of Plant Physiology</i> , 2008, 165, 504-513. | 1.6 | 80 |
| 30 | Abscisic Acid Decreases Leaf Na ⁺ Exclusion in Salt-Treated <i>Phaseolus vulgaris</i> L.. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 187-192. | 2.8 | 72 |
| 31 | Influence of zinc hyperaccumulation on glucosinolates in <i>Thlaspi caerulescens</i> . <i>New Phytologist</i> , 2001, 151, 621-626. | 3.5 | 71 |
| 32 | Efficient leaf ion partitioning, an overriding condition for abscisic acid-controlled stomatal and leaf growth responses to NaCl salinization in two legumes. <i>Journal of Experimental Botany</i> , 2003, 54, 2111-2119. | 2.4 | 71 |
| 33 | Transport and Use of Bicarbonate in Plants: Current Knowledge and Challenges Ahead. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1352. | 1.8 | 71 |
| 34 | Signal cross talk in <i>Arabidopsis</i> exposed to cadmium, silicon, and <i>Botrytis cinerea</i> . <i>Planta</i> , 2013, 237, 337-349. | 1.6 | 70 |
| 35 | Distinctive effects of cadmium on glucosinolate profiles in Cd hyperaccumulator <i>Thlaspi praecox</i> and non-hyperaccumulator <i>Thlaspi arvense</i> . <i>Plant and Soil</i> , 2006, 288, 333-341. | 1.8 | 69 |
| 36 | Influence of silicon pretreatment on aluminium toxicity in maize roots. <i>Plant and Soil</i> , 1997, 190, 203-209. | 1.8 | 68 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Shoot accumulation of several trace elements in native plant species from contaminated soils in the Peruvian Andes. <i>Journal of Geochemical Exploration</i> , 2012, 113, 106-111. | 1.5 | 65 |
| 38 | Accumulation of Pb and Zn in <i>Bidens triplinervia</i> and <i>Senecio</i> sp. spontaneous species from mine spoils in Peru and their potential use in phytoremediation. <i>Journal of Geochemical Exploration</i> , 2012, 123, 109-113. | 1.5 | 62 |
| 39 | Estimation of phenotypic variability in symbiotic nitrogen fixation ability of common bean under drought stress using ^{15}N natural abundance in grain. <i>European Journal of Agronomy</i> , 2016, 79, 66-73. | 1.9 | 62 |
| 40 | Endogenous abscisic acid levels are linked to decreased growth of bush bean plants treated with NaCl. <i>Physiologia Plantarum</i> , 1997, 101, 17-22. | 2.6 | 58 |
| 41 | Callose production as indicator of aluminum toxicity in bean cultivars. <i>Journal of Plant Nutrition</i> , 1999, 22, 1-10. | 0.9 | 58 |
| 42 | Phosphorus Efficiency and Root Exudates in Two Contrasting Tropical Maize Varieties. <i>Journal of Plant Nutrition</i> , 2007, 30, 887-900. | 0.9 | 58 |
| 43 | Transition metals: A double edge sword in ROS generation and signaling. <i>Plant Signaling and Behavior</i> , 2013, 8, e23425. | 1.2 | 57 |
| 44 | Aluminium Tolerance of Maize Cultivars as Assessed by Callose Production and Root Elongation. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1994, 157, 447-451. | 0.4 | 56 |
| 45 | Constitutive and aluminium-induced patterns of phenolic compounds in two maize varieties differing in aluminium tolerance. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1486-1490. | 1.5 | 56 |
| 46 | Endogenous jasmonic and salicylic acids levels in the Cd-hyperaccumulator <i>Noccaea (Thlaspi) praecox</i> exposed to fungal infection and/or mechanical stress. <i>Plant Cell Reports</i> , 2013, 32, 1243-1249. | 2.8 | 55 |
| 47 | Copper-induced oxidative damage and enhanced antioxidant defenses in the root apex of maize cultivars differing in Cu tolerance. <i>Environmental and Experimental Botany</i> , 2009, 67, 415-420. | 2.0 | 54 |
| 48 | Growth, physiological, biochemical and ionic responses of pistachio seedlings to mild and high salinity. <i>Trees - Structure and Function</i> , 2014, 28, 1065-1078. | 0.9 | 54 |
| 49 | Both aluminum and ABA induce the expression of an ABC-like transporter gene (<i>FeALS3</i>) in the Al-tolerant species <i>Fagopyrum esculentum</i> . <i>Environmental and Experimental Botany</i> , 2015, 111, 74-82. | 2.0 | 54 |
| 50 | Title is missing!. <i>Plant and Soil</i> , 2003, 251, 55-63. | 1.8 | 52 |
| 51 | Changes in elemental uptake and arbuscular mycorrhizal colonisation during the life cycle of <i>Thlaspi praecox</i> Wulfen. <i>Chemosphere</i> , 2007, 69, 1602-1609. | 4.2 | 50 |
| 52 | Amelioration of iron toxicity: A mechanism for aluminum-induced growth stimulation in tea plants. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 183-187. | 1.5 | 50 |
| 53 | Nodulation by <i>Sinorhizobium meliloti</i> originated from a mining soil alleviates Cd toxicity and increases Cd-phytoextraction in <i>Medicago sativa</i> L.. <i>Frontiers in Plant Science</i> , 2015, 6, 863. | 1.7 | 50 |
| 54 | High salinity helps the halophyte <i>Sesuvium portulacastrum</i> in defense against Cd toxicity by maintaining redox balance and photosynthesis. <i>Planta</i> , 2016, 244, 333-346. | 1.6 | 50 |

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|----|--|-----|-----------|
| 55 | Zinc hyperaccumulation in <i>Thlaspi caerulescens</i> . I. Influence on growth and mineral nutrition. <i>Journal of Plant Nutrition</i> , 1996, 19, 1531-1540. | 0.9 | 49 |
| 56 | <i>Cynara cardunculus</i> a potentially useful plant for remediation of soils polluted with cadmium or arsenic. <i>Journal of Geochemical Exploration</i> , 2012, 123, 122-127. | 1.5 | 49 |
| 57 | Arbuscular mycorrhizal fungi alleviate low-temperature stress and increase freezing resistance as a substitute for acclimation treatment in barley. <i>Crop and Pasture Science</i> , 2019, 70, 218. | 0.7 | 49 |
| 58 | Determination of glucosinolates in rapeseed and <i>Thlaspi caerulescens</i> plants by liquid chromatography–atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 889, 75-81. | 1.8 | 47 |
| 59 | Role of sodium in the ABA-mediated long-term growth response of bean to salt stress. <i>Physiologia Plantarum</i> , 1998, 104, 299-305. | 2.6 | 45 |
| 60 | A role for cyclic hydroxamates in aluminium resistance in maize?. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1830-1836. | 1.5 | 45 |
| 61 | Salinity Is an Agent of Divergent Selection Driving Local Adaptation of <i>Arabidopsis</i> to Coastal Habitats. <i>Plant Physiology</i> , 2015, 168, 915-929. | 2.3 | 44 |
| 62 | Fluctuating selection on migrant adaptive sodium transporter alleles in coastal <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12443-E12452. | 3.3 | 44 |
| 63 | Aluminium-induced alteration of ion homeostasis in root tip vacuoles of two maize varieties differing in Al tolerance. <i>Plant Science</i> , 2011, 180, 709-715. | 1.7 | 42 |
| 64 | Aluminium-induced changes in root epidermal cell patterning, a distinctive feature of hyperresistance to Al in <i>Brachiaria decumbens</i> . <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1477-1483. | 1.5 | 41 |
| 65 | NaCl alleviates Cd toxicity by changing its chemical forms of accumulation in the halophyte <i>Sesuvium portulacastrum</i> . <i>Environmental Science and Pollution Research</i> , 2015, 22, 10769-10777. | 2.7 | 41 |
| 66 | Root traits and their potential links to plant ideotypes to improve drought resistance in common bean. <i>Theoretical and Experimental Plant Physiology</i> , 2017, 29, 143-154. | 1.1 | 41 |
| 67 | Molecular characterization of the citrate transporter gene <i>TaMATE1</i> and expression analysis of upstream genes involved in organic acid transport under Al stress in bread wheat (<i>Triticum aestivum</i>). <i>Physiologia Plantarum</i> , 2014, 152, 441-452. | 2.6 | 40 |
| 68 | Improvement of drought tolerance in Tobacco (<i>Nicotiana rustica</i> L.) plants by Silicon. <i>Journal of Plant Nutrition</i> , 2017, 40, 1661-1676. | 0.9 | 40 |
| 69 | Zinc triggers signaling mechanisms and defense responses promoting resistance to <i>Alternaria brassicicola</i> in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2016, 249, 13-24. | 1.7 | 38 |
| 70 | Ion allocation in two different salt-tolerant Mediterranean <i>Medicago</i> species. <i>Journal of Plant Physiology</i> , 2003, 160, 1361-1365. | 1.6 | 37 |
| 71 | Relationship between expression of the PM H ⁺ -ATPase, growth and ion partitioning in the leaves of salt-treated <i>Medicago</i> species. <i>Planta</i> , 2005, 221, 557-566. | 1.6 | 37 |
| 72 | Differential aluminum resistance in <i>Brachiaria</i> species. <i>Environmental and Experimental Botany</i> , 2013, 89, 11-18. | 2.0 | 35 |

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|----|--|-----|-----------|
| 73 | Antimony accumulation and toxicity tolerance mechanisms in Trifolium species. Journal of Geochemical Exploration, 2014, 147, 167-172. | 1.5 | 34 |
| 74 | Microbial homoserine lactones (AHLs) are effectors of root morphological changes in barley. Plant Science, 2016, 253, 130-140. | 1.7 | 32 |
| 75 | How Plants Handle Trivalent (+3) Elements. International Journal of Molecular Sciences, 2019, 20, 3984. | 1.8 | 30 |
| 76 | Beneficial and Toxic Effects of Chromium in Plants: Solution Culture, Pot and Field Studies.. Studies in Environmental Science, 1993, , 147-171. | 0.0 | 29 |
| 77 | Soil carbonate drives local adaptation in <i>Arabidopsis thaliana</i> . Plant, Cell and Environment, 2019, 42, 2384-2398. | 2.8 | 29 |
| 78 | Increase in steviol glycosides production from Stevia rebaudiana Bertoni under organo-mineral fertilization. Industrial Crops and Products, 2020, 147, 112220. | 2.5 | 29 |
| 79 | Interactions between aluminum and boron in tea (Camellia sinensis) plants. Acta Physiologiae Plantarum, 2015, 37, 1. | 1.0 | 28 |
| 80 | Influence of the Ca/Mg ratio on Cu resistance in three Silene armeria ecotypes adapted to calcareous soil or to different, Ni- or Cu-enriched, serpentine sites. Journal of Plant Physiology, 2003, 160, 1451-1456. | 1.6 | 27 |
| 81 | Glucosinolate Profiles Change During the Life Cycle and Mycorrhizal Colonization in a Cd/Zn Hyperaccumulator Thlaspi praecox (Brassicaceae). Journal of Chemical Ecology, 2008, 34, 1038-1044. | 0.9 | 27 |
| 82 | Differential activation of genes related to aluminium tolerance in two contrasting rice cultivars. Journal of Inorganic Biochemistry, 2015, 152, 160-166. | 1.5 | 27 |
| 83 | Zinc hyperaccumulation substitutes for defense failures beyond salicylate and jasmonate signaling pathways of <i>Alternaria brassicicola</i> attack in <i>Noccea caerulescens</i> . Physiologia Plantarum, 2017, 159, 401-415. | 2.6 | 27 |
| 84 | Hyperaccumulation of trace elements: from uptake and tolerance mechanisms to litter decomposition; selenium as an example. Plant and Soil, 2011, 341, 31-35. | 1.8 | 26 |
| 85 | Salt tolerance mechanisms in three Irano-Turanian Brassicaceae halophytes relatives of Arabidopsis thaliana. Journal of Plant Research, 2018, 131, 1029-1046. | 1.2 | 25 |
| 86 | Fractionation of chromium in tannery sludge-amended soil and its availability to fenugreek plants. Journal of Soils and Sediments, 2014, 14, 697-702. | 1.5 | 22 |
| 87 | Sodium-calcium interactions with growth, water, and photosynthetic parameters in salt-treated beans. Journal of Plant Nutrition and Soil Science, 2009, 172, 637-643. | 1.1 | 21 |
| 88 | Aluminium alters mineral composition and polyphenol metabolism in leaves of tea plants (Camellia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 1.5 | 21 |
| 89 | The standard electrode potential (E ⁰) predicts the prooxidant activity and the acute toxicity of metal ions. Journal of Inorganic Biochemistry, 2011, 105, 1438-1445. | 1.5 | 19 |
| 90 | Boron re-translocation in tea (Camellia sinensis (L.) O. Kuntze) plants. Acta Physiologiae Plantarum, 2013, 35, 2373-2381. | 1.0 | 19 |

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|-----|--|-----|-----------|
| 91 | Characterization of Zinc and Cadmium Hyperaccumulation in Three <i>Noccaea</i> (Brassicaceae) Populations from Non-metalliferous Sites in the Eastern Pyrenees. <i>Frontiers in Plant Science</i> , 2016, 7, 128. | 1.7 | 19 |
| 92 | <i>Smilax aspera</i> L. an evergreen Mediterranean climber for phytoremediation. <i>Journal of Geochemical Exploration</i> , 2012, 123, 41-44. | 1.5 | 18 |
| 93 | Chromium-induced inhibition of ethylene evolution in bean (<i>Phaseolus vulgaris</i>) leaves. <i>Physiologia Plantarum</i> , 1993, 89, 404-408. | 2.6 | 17 |
| 94 | Cadmium-induced changes in glutathione and phenolics of <i>Thlaspi</i> and <i>Noccaea</i> species differing in Cd accumulation. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 851-858. | 1.1 | 17 |
| 95 | Mechanisms of Hyper-resistance and Hyper-tolerance to Aluminum in Plants. <i>Signaling and Communication in Plants</i> , 2015, , 81-98. | 0.5 | 16 |
| 96 | A proteomic approach to the mechanisms underlying activation of aluminium resistance in roots of <i>Urochloa decumbens</i> . <i>Journal of Inorganic Biochemistry</i> , 2018, 181, 145-151. | 1.5 | 15 |
| 97 | Contrasting allocation of magnesium, calcium and manganese in leaves of tea (<i>Camellia sinensis</i> (L.) Tj ETQq1 1 0.784314 rgBT /Ove Toxicology, 2020, 135, 110974. | 1.8 | 15 |
| 98 | Characterization of the tolerance to excess manganese in four maize varieties. <i>Soil Science and Plant Nutrition</i> , 2009, 55, 747-753. | 0.8 | 13 |
| 99 | Selenium activates components of iron acquisition machinery in oilseed rape roots. <i>Plant and Soil</i> , 2020, 452, 569-586. | 1.8 | 12 |
| 100 | Differential Physiological Responses of Portuguese Bread Wheat (<i>Triticum aestivum</i> L.) Genotypes under Aluminium Stress. <i>Diversity</i> , 2016, 8, 26. | 0.7 | 11 |
| 101 | Endogenous abscisic acid levels are linked to decreased growth of bush bean plants treated with NaCl. <i>Physiologia Plantarum</i> , 1997, 101, 17-22. | 2.6 | 11 |
| 102 | Relationship between carbon partitioning and Na ⁺ , Cl ⁻ and ABA allocation in fruits of salt-stressed bean. <i>Journal of Plant Physiology</i> , 2000, 157, 637-642. | 1.6 | 10 |
| 103 | The effect of silicon on the symptoms of manganese toxicity in maize plants. <i>Acta Biologica Hungarica</i> , 2008, 59, 479-487. | 0.7 | 10 |
| 104 | Cadmium hampers salt tolerance of <i>Sesuvium portulacastrum</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 115, 390-399. | 2.8 | 10 |
| 105 | Fingerprinting metabolomics in tropical mistletoes: A case study with facultative aluminum-accumulating species. <i>Phytochemistry Letters</i> , 2018, 25, 90-94. | 0.6 | 10 |
| 106 | Transcriptomics Reveals Fast Changes in Salicylate and Jasmonate Signaling Pathways in Shoots of Carbonate-Tolerant <i>Arabidopsis thaliana</i> under Bicarbonate Exposure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1226. | 1.8 | 10 |
| 107 | The arbuscular mycorrhizal mycelium from barley differentially influences various defense parameters in the non-host sugar beet under co-cultivation. <i>Mycorrhiza</i> , 2020, 30, 647-661. | 1.3 | 9 |
| 108 | Adaptation to coastal soils through pleiotropic boosting of ion and stress hormone concentrations in wild <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 232, 208-220. | 3.5 | 9 |

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|-----|--|-----|-----------|
| 109 | A highly versatile and easily configurable system for plant electrophysiology. <i>MethodsX</i> , 2016, 3, 436-451. | 0.7 | 8 |
| 110 | Mechanisms of storage and detoxification of Al in two tropical mistletoes. <i>Environmental and Experimental Botany</i> , 2018, 150, 37-45. | 2.0 | 8 |
| 111 | Salinity is a prevailing factor for amelioration of wheat blast by biocontrol agents. <i>Biological Control</i> , 2018, 125, 81-89. | 1.4 | 7 |
| 112 | Root Behavior in Response to Aluminum Toxicity. <i>Signaling and Communication in Plants</i> , 2009, , 21-43. | 0.5 | 7 |
| 113 | Breeding for Al Tolerance by Unravelling Genetic Diversity in Bread Wheat. <i>Signaling and Communication in Plants</i> , 2015, , 125-153. | 0.5 | 6 |
| 114 | Aluminium detoxification in facultative (<i>Passovia ovata</i> (Pohl ex DC.) Kujit and <i>Struthanthus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 58-63. | 1.4 | 6 |
| 115 | At the Crossroads of Metal Hyperaccumulation and Glucosinolates: Is There Anything Out There?. <i>Soil Biology</i> , 2010, , 139-161. | 0.6 | 6 |
| 116 | Sugar beet profits from intercropping with wheat both under optimum and deficient phosphorus supply. <i>Acta Agriculturae Slovenica</i> , 2018, 111, 85. | 0.2 | 5 |
| 117 | Snails prefer it sweet: A multifactorial test of the metal defence hypothesis. <i>Physiologia Plantarum</i> , 2019, 165, 209-218. | 2.6 | 5 |
| 118 | Evolution of salt tolerance in <i>Arabidopsis thaliana</i> on siliceous soils does not confer tolerance to saline calcareous soils. <i>Plant and Soil</i> , 2022, 476, 455-475. | 1.8 | 4 |
| 119 | Arthropod Diversity Influenced by Two Musa-Based Agroecosystems in Ecuador. <i>Agriculture (Switzerland)</i> , 2020, 10, 235. | 1.4 | 3 |
| 120 | Growth enhancement of <i>Brassica napus</i> under both deficient and adequate iron supply by intercropping with <i>Hordeum vulgare</i> : a hydroponic study. <i>Plant Biosystems</i> , 2021, 155, 632-646. | 0.8 | 3 |
| 121 | Altitude and fertilization type: concentration of nutrients and production of biomass in <i>Stevia rebaudiana</i> Bertonii. <i>Journal of Plant Nutrition</i> , 2021, 44, 322-336. | 0.9 | 3 |
| 122 | Genome-Wide Association Study Reveals Key Genes for Differential Lead Accumulation and Tolerance in Natural <i>Arabidopsis thaliana</i> Accessions. <i>Frontiers in Plant Science</i> , 2021, 12, 689316. | 1.7 | 3 |
| 123 | Availability of cu and zn to plants growing on and off a malachite site. <i>Toxicological and Environmental Chemistry</i> , 1995, 52, 143-151. | 0.6 | 2 |
| 124 | A native Zn-solubilising bacterium from mine soil promotes plant growth and facilitates phytoremediation. <i>Journal of Soils and Sediments</i> , 2021, 21, 2301-2314. | 1.5 | 2 |
| 125 | Luxury zinc supply acts as antiaging agent and enhances reproductive fitness in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2021, 304, 110805. | 1.7 | 1 |
| 126 | Chromium-induced inhibition of ethylene evolution in bean (<i>Phaseolus vulgaris</i>) leaves. <i>Physiologia Plantarum</i> , 1993, 89, 404-408. | 2.6 | 1 |

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|-----|--|-----|-----------|
| 127 | Identifying the Specific Root Microbiome of the Hyperaccumulator Growing in Non-metalliferous Soils. <i>Frontiers in Microbiology</i> , 2021, 12, 639997. | 1.5 | 0 |
| 128 | Rhizosphere Acidification as the Main Trait Characterizing the Differential In Vitro Tolerance to Iron Chlorosis in Interspecific <i>Pyrus</i> Hybrids. <i>Horticulturae</i> , 2022, 8, 551. | 1.2 | 0 |