# Eduardo O Leidi

List of Publications by Year
in descending order

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|---|---|---|---|
| 58 papers | 3,482 citations | 236925 25 h-index | 155660 55 g-index |
| 58 all docs | 58 docs citations | 58 times ranked | 3391 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ion Exchangers NHX1 and NHX2 Mediate Active Potassium Uptake into Vacuoles to Regulate Cell Turgor and Stomatal Function in Arabidopsis. Plant Cell, 2012, 24, 1127-1142. | 6.6 | 533 |
| 2 | Alkali cation exchangers: roles in cellular homeostasis and stress tolerance. Journal of Experimental Botany, 2006, 57, 1181-1199. | 4.8 | 385 |
| 3 | The AtNHX1 exchanger mediates potassium compartmentation in vacuoles of transgenic tomato. Plant Journal, 2010, 61, 495-506. | 5.7 | 268 |
| 4 | Loss of Halophytism by Interference with SOS1 Expression. Plant Physiology, 2009, 151, 210-222. | 4.8 | 254 |
| 5 | Regulation of K+ Nutrition in Plants. Frontiers in Plant Science, 2019, 10, 281. | 3.6 | 217 |
| 6 | Control of vacuolar dynamics and regulation of stomatal aperture by tonoplast potassium uptake. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1806-14. | 7.1 | 171 |
| 7 | A Critical Role of Sodium Flux via the Plasma Membrane Na<sup>+</sup>/H<sup>+</sup> Exchanger SOS1 in the Salt Tolerance of Rice. Plant Physiology, 2019, 180, 1046-1065. | 4.8 | 149 |
| 8 | How do vacuolar NHX exchangers function in plant salt tolerance?. Plant Signaling and Behavior, 2010, 5, 792-795. | 2.4 | 147 |
| 9 | Effect of nitrogen source on growth response to salinity stress in maize and wheat. New Phytologist, 1989, 111, 155-160. | 7.3 | 119 |
| 10 | Expression of wheat Na+/H+ antiporter TNHXS1 and H+- pyrophosphatase TVP1 genes in tobacco from a bicistronic transcriptional unit improves salt tolerance. Plant Molecular Biology, 2012, 79, 137-155. | 3.9 | 107 |
| 11 | Is salinity tolerance related to Na accumulation in Upland cotton (Gossypium hirsutum) seedlings?. Plant and Soil, 1997, 190, 67-75. | 3.7 | 104 |
| 12 | A constitutively active form of a durum wheat Na+/H+ antiporter SOS1 confers high salt tolerance to transgenic Arabidopsis. Plant Cell Reports, 2014, 33, 277-288. | 5.6 | 94 |
| 13 | Nitrogen and phosphorus availability limit N 2 fixation in bean. New Phytologist, 2000, 147, 337-346. | 7.3 | 89 |
| 14 | Physiological aspects of ammonium and nitrate fertilization. Journal of Plant Nutrition, 1990, 13, 1271-1289. | 1.9 | 67 |
| 15 | Salinity and nitrogen nutrition studies on peanut and cotton plants. Journal of Plant Nutrition, 1992, 15, 591-604. | 1.9 | 66 |
| 16 | Wheat growth as affected by nitrogen type, pH and salinity. I. biomass production and mineral composition. Journal of Plant Nutrition, 1991, 14, 235-246. | 1.9 | 53 |
| 17 | Variation in carbon isotope discrimination and other traits related to drought tolerance in upland cotton cultivars under dryland conditions. Field Crops Research, 1999, 61, 109-123. | 5.1 | 50 |
| 18 | Stabilized municipal sewage sludge addition to improve properties of an acid mine soil for plant growth. Journal of Soils and Sediments, 2014, 14, 703-712. | 3.0 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Andean roots and tubers crops as sources of functional foods. Journal of Functional Foods, 2018, 51, 86-93. | 3.4 | 38 |
| 20 | Uptake, localisation and physiological changes in response to copper excess in Erica andevalensis. Plant and Soil, 2010, 328, 411-420. | 3.7 | 37 |
| 21 | Effect of salinity on cotton plants grown under nitrate or ammonium nutrition at different calcium levels. Field Crops Research, 1991, 26, 35-44. | 5.1 | 33 |
| 22 | Subcellular distribution of superoxide dismutase in leaves of ureide-producing leguminous plants. Physiologia Plantarum, 1991, 82, 285-291. | 5.2 | 31 |
| 23 | Selective uptake of major and trace elements in Erica andevalensis, an endemic species to extreme habitats in the Iberian Pyrite Belt. Journal of Environmental Sciences, 2011, 23, 444-452. | 6.1 | 31 |
| 24 | Effects of silicon on copper toxicity in Erica andevalensis Cabezudo and Rivera: a potential species to remediate contaminated soils. Journal of Environmental Monitoring, 2011, 13, 591. | 2.1 | 29 |
| 25 | Wheat growth as affected by nitrogen type, pH and salinity. II. photosynthesis and transpiration. Journal of Plant Nutrition, 1991, 14, 247-256. | 1.9 | 28 |
| 26 | Accumulation and in vivo tissue distribution of pollutant elements in Erica andevalensis. Science of the Total Environment, 2009, 407, 1929-1936. | 8.0 | 22 |
| 27 | Phenotypic and Genotypic Characterization of Rhizobia from Diverse Geographical Origin that Nodulate Pachyrhizus species. Systematic and Applied Microbiology, 2004, 27, 737-745. | 2.8 | 21 |
| 28 | Selection and characterization of cotton cultivars for dryland production in the south-west of Spain. European Journal of Agronomy, 1995, 4, 119-126. | 4.1 | 18 |
| 29 | Evaluation of biochemical indicators of Fe and Mn nutrition for soybean plants. II. Superoxide dismutases, chlorophyll contents and photosystem II activity. Journal of Plant Nutrition, 1987, 10, 261-271. | 1.9 | 17 |
| 30 | Plant Responses to Salinity. , 2010, , 129-141. | | 17 |
| 31 | Assessing the Nutritional Value of Root and Tuber Crops from Bolivia and Peru. Foods, 2019, 8, 526. | 4.3 | 17 |
| 32 | Ahipa (Pachyrhizus ahipa [Wedd.] Parodi): an alternative legume crop for sustainable production of starch, oil and protein. Industrial Crops and Products, 2003, 17, 27-37. | 5.2 | 16 |
| 33 | Germination responses of Erica andevalensis to different chemical and physical treatments. Ecological Research, 2009, 24, 655-661. | 1.5 | 15 |
| 34 | Evaluation of Lead Toxicity inErica andevalensisas an Alternative Species for Revegetation of Contaminated Soils. International Journal of Phytoremediation, 2012, 14, 174-185. | 3.1 | 15 |
| 35 | A review of hazardous elements tolerance in a metallophyte model species: Erica andevalensis. Geoderma, 2018, 319, 43-51. | 5.1 | 15 |
| 36 | Interaction effects between Rhizobium strain and bean cultivar on nodulation, plant growth, biomass partitioning and xylem sap composition. European Journal of Agronomy, 1999, 11, 131-143. | 4.1 | 14 |

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|---|---|---|---|
| 37 | Stress responses of Erica andevalensis Cabezudo & Rivera plants induced by polluted water from Tinto River (SW Spain). Ecotoxicology, 2009, 18, 1058-1067. | 2.4 | 13 |
| 38 | Reassessing the Role of Potassium in Tomato Grown with Water Shortages. Horticulturae, 2021, 7, 20. | 2.8 | 13 |
| 39 | Tolerance to high Zn in the metallophyte Erica andevalensis Cabezudo & Rivera. Ecotoxicology, 2012, 21, 2012-2021. | 2.4 | 12 |
| 40 | Factors affecting root and seed yield in ahipa (Pachyrhizus ahipa (Wedd.) Parodi), a multipurpose legume crop. European Journal of Agronomy, 2004, 20, 395-403. | 4.1 | 11 |
| 41 | Genotypic Variation in Potassium Uptake in Dryland Cotton. Journal of Plant Nutrition, 2008, 31, 1947-1962. | 1.9 | 11 |
| 42 | Soilâ€“plant system and potential human health risk of Chinese cabbage and oregano growing in soils from Mn- and Fe-abandoned mines: microcosm assay. Environmental Geochemistry and Health, 2020, 42, 4073-4086. | 3.4 | 11 |
| 43 | Effect of NaCl salinity on photosynthesis, 14C-translocation, and yield in wheat plants irrigated with ammonium or nitrate solutions. Irrigation Science, 1990, 11, 155. | 2.8 | 9 |
| 44 | Pleiotropic effects of enhancing vacuolar K/H exchange in tomato. Physiologia Plantarum, 2018, 163, 88-102. | 5.2 | 9 |
| 45 | A Role for manganese in the Regulation of Soybean Nitrate Reductase Activity?. Journal of Plant Physiology, 1985, 118, 335-342. | 3.5 | 8 |
| 46 | Evaluation of catalase and peroxidase activity as indicators of Fe and Mn nutrition for soybean. Journal of Plant Nutrition, 1986, 9, 1239-1249. | 1.9 | 8 |
| 47 | Does the polluted environment modify responses to metal pollution? A case study of two Cistus species and the excess of copper and lead. Catena, 2019, 178, 244-255. | 5.0 | 8 |
| 48 | Sotbean genetic differences in response to Fe and Mn: Activity of metalloenzymes. Plant and Soil, 1987, 99, 139-146. | 3.7 | 7 |
| 49 | Active proton efflux, nutrient retention and boron-bridging of pectin are related to greater tolerance of proton toxicity in the roots of two Erica species. Plant Physiology and Biochemistry, 2018, 126, 142-151. | 5.8 | 7 |
| 50 | Peroxidase Isozyme Patterns Developed by Soybean Genotypes in Response to Manganese and Iron Stress. Biochemie Und Physiologie Der Pflanzen, 1989, 185, 391-396. | 0.5 | 6 |
| 51 | Leaf Gas Exchange of Pachyrhizus ahipa and P. erosus Under Water and Temperature Stress. Photosynthetica, 2002, 40, 375-381. | 1.7 | 5 |
| 52 | Strategies in a metallophyte species to cope with manganese excess. Environmental Geochemistry and Health, 2021, 43, 1523-1535. | 3.4 | 5 |
| 53 | ASSESSMENT OF NITROGEN FIXATION POTENTIAL IN AHIPA (Pachyrhizus ahipa) AND ITS EFFECT ON ROOT AND SEED YIELD. Experimental Agriculture, 2009, 45, 177-188. | 0.9 | 4 |
| 54 | Nitrate and potassium concentrations in cotton petiole extracts as influenced by nitrogen fertilization, sampling date and cultivar. Spanish Journal of Agricultural Research, 2010, 8, 202. | 0.6 | 4 |

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| 55 | Nutrient Requirements of Ahipa, a Tuberous-Root Crop. Journal of Plant Nutrition, 2004, 27, 931-945. | 1.9 | 3 |
| 56 | Uptake of Micro and Macronutrients in Relation to Increasing Mn Concentrations in Cistus salvifolius L. Grown in Hydroponic Cultures. Journal of Environmental Accounting and Management, 2018, 6, 355-363. | 0.5 | 1 |
| 57 | Salt and Water Stress-Tolerant Cotton. Biotechnology in Agriculture and Forestry, 1998, , 227-242. | 0.2 | 0 |
| 58 | Variation in Nutritional Components in Roots from Ahipa (Pachyrhizus ahipa (Wedd.) Parodi) Accessions and an Interspecific Hybrid (P. ahipa Ã— P. tuberosus (Lam.) Spreng.). Agronomy, 2022, 12, 5. | 3.0 | 0 |