# Oscar Vicente

List of Publications by Year
in descending order

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|---|---|---|---|
| 165<br>papers | 5,398<br>citations | 76294<br>40<br>h-index | 98753<br>67<br>g-index |
| 177<br>all docs | 177<br>docs citations | 177<br>times ranked | 4701<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Breeding and Domesticating Crops Adapted to Drought and Salinity: A New Paradigm for Increasing Food Production. Frontiers in Plant Science, 2015, 6, 978. | 1.7 | 263 |
| 2 | Initiation of microspore embryogenesis by stress. Trends in Plant Science, 1997, 2, 297-302. | 4.3 | 262 |
| 3 | Flavonols Stimulate Development, Germination, and Tube Growth of Tobacco Pollen. Plant Physiology, 1992, 100, 902-907. | 2.3 | 192 |
| 4 | Isoforms of Bet v 1, the Major Birch Pollen Allergen, Analyzed by Liquid Chromatography, Mass Spectrometry, and cDNA Cloning. Journal of Biological Chemistry, 1995, 270, 2607-2613. | 1.6 | 182 |
| 5 | Efficient microspore embryogenesis in wheat (Triticum aestivum L.) induced by starvation at high temperature. Sexual Plant Reproduction, 1996, 9, 209-215. | 2.2 | 159 |
| 6 | Responses to salt stress in the halophyte Plantago crassifolia (Plantaginaceae). Journal of Arid Environments, 2004, 58, 463-481. | 1.2 | 138 |
| 7 | Reactivity with monoclonal antibodies of viruses from an episode of foot-and-mouth disease. Virus Research, 1987, 8, 261-274. | 1.1 | 127 |
| 8 | A cell cycle regulated MAP kinase with a possible role in cytokinesis in tobacco cells. Journal of Cell Science, 1998, 111, 3091-3100. | 1.2 | 121 |
| 9 | Overexpression of Arabidopsis thaliana LTL1, a salt-induced gene encoding a GDSL-motif lipase, increases salt tolerance in yeast and transgenic plants. Plant, Cell and Environment, 2006, 29, 1890-1900. | 2.8 | 113 |
| 10 | Sp i t zer Mid-Infrared Spectroscopy of Ices toward Extincted Background Stars. Astrophysical Journal, 2005, 635, L145-L148. | 1.6 | 106 |
| 11 | Development of a citrus genome-wide EST collection and cDNA microarray as resources for genomic studies. Plant Molecular Biology, 2005, 57, 375-391. | 2.0 | 104 |
| 12 | Effects of salinity and drought on growth, ionic relations, compatible solutes and activation of antioxidant systems in oleander (Nerium oleander L.). PLoS ONE, 2017, 12, e0185017. | 1.1 | 103 |
| 13 | Stress-induced microspore embryogenesis in tobacco: an optimized system for molecular studies. Plant Cell Reports, 1996, 15, 561-565. | 2.8 | 100 |
| 14 | A developmentally regulated MAP kinase activated by hydration in tobacco pollen.. Plant Cell, 1997, 9, 2093-2100. | 3.1 | 99 |
| 15 | The expression of a small heat shock gene is activated during induction of tobacco pollen embryogenesis by starvation*. Plant, Cell and Environment, 1995, 18, 139-147. | 2.8 | 98 |
| 16 | Effects of Salt and Water Stress on Plant Growth and on Accumulation of Osmolytes and Antioxidant Compounds in Cherry Tomato. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, 1-11. | 0.5 | 95 |
| 17 | Are soluble carbohydrates ecologically relevant for salt tolerance in halophytes?. Functional Plant Biology, 2013, 40, 805. | 1.1 | 92 |
| 18 | Bet v 1 proteins, the major birch pollen allergens and members of a family of conserved pathogenesis-related proteins, show ribonuclease activity in vitro. Physiologia Plantarum, 1996, 96, 433-438. | 2.6 | 89 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Stress as the major signal controlling the developmental fate of tobacco microspores: towards a unified model of induction of microspore/pollen embryogenesis. Planta, 1996, 200, 144. | 1.6 | 81 |
| 20 | Isolation and characterization of a tobacco cDNA clone encoding a putative MAP kinase. Plant Molecular Biology, 1993, 23, 543-551. | 2.0 | 78 |
| 21 | Antioxidant responses under salinity and drought in three closely related wild monocots with different ecological optima. AoB PLANTS, 2017, 9, plx009. | 1.2 | 78 |
| 22 | Expression of Arabidopsis SR-like splicing proteins confers salt tolerance to yeast and transgenic plants. Plant Journal, 2002, 30, 511-519. | 2.8 | 72 |
| 23 | Responses of five Mediterranean halophytes to seasonal changes in environmental conditions. AoB PLANTS, 2014, 6, plu049-plu049. | 1.2 | 68 |
| 24 | Environmentally induced changes in antioxidant phenolic compounds levels in wild plants. Acta Physiologiae Plantarum, 2016, 38, 1. | 1.0 | 68 |
| 25 | Molecular Cloning, Functional Expression in Escherichia coli, and Characterization of Multiple Mitogen-Activated-Protein Kinases from Tobacco. FEBS Journal, 1995, 233, 249-257. | 0.2 | 67 |
| 26 | Unraveling Salt Tolerance Mechanisms in Halophytes: A Comparative Study on Four Mediterranean Limonium Species with Different Geographic Distribution Patterns. Frontiers in Plant Science, 2017, 8, 1438. | 1.7 | 65 |
| 27 | Derepression of the cell cycle by starvation is involved in the induction of tobacco pollen embryogenesis. Sexual Plant Reproduction, 1992, 5, 189-194. | 2.2 | 63 |
| 28 | Stress-induced formation of haploid plants through anther culture in cork oak (Quercus suber). Physiologia Plantarum, 1997, 99, 335-341. | 2.6 | 63 |
| 29 | Effects of Salt Stress on Three Ecologically Distinct Plantago Species. PLoS ONE, 2016, 11, e0160236. | 1.1 | 60 |
| 30 | A birch gene family encoding pollen allergens and pathogenesis-related proteins. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1994, 1219, 457-464. | 2.4 | 59 |
| 31 | Soluble Carbohydrates as Osmolytes in Several Halophytes from a Mediterranean Salt Marsh. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2011, 39, 09. | 0.5 | 58 |
| 32 | The Use of Proline in Screening for Tolerance to Drought and Salinity in Common Bean (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.3 | 57 |
| 33 | cDNA cloning and characterization of three genes in the Bet v 1 gene family that encode pathogenesis-related proteins*. Plant, Cell and Environment, 1995, 18, 865-874. | 2.8 | 53 |
| 34 | Intra- and Interspecific Variation in DNA Content in Cistus (Cistaceae). Annals of Botany, 2002, 90, 345-351. | 1.4 | 52 |
| 35 | De novo transcription of specific mRNAs during the induction of tobacco pollen embryogenesis. Sexual Plant Reproduction, 1993, 6, 40. | 2.2 | 48 |
| 36 | Do Halophytes Really Require Salts for Their Growth and Development? An Experimental Approach. Notulae Scientia Biologicae, 2012, 4, 23-29. | 0.1 | 47 |

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|---|---|---|---|
| 37 | Proline as a biochemical marker in relation to the ecology of two halophytic Juncus species. Journal of Plant Ecology, 2013, 6, 177-186. | 1.2 | 47 |
| 38 | Native-Invasive Plants vs. Halophytes in Mediterranean Salt Marshes: Stress Tolerance Mechanisms in Two Related Species. Frontiers in Plant Science, 2016, 7, 473. | 1.7 | 45 |
| 39 | New Eco-Friendly Polymeric-Coated Urea Fertilizers Enhanced Crop Yield in Wheat. Agronomy, 2020, 10, 438. | 1.3 | 45 |
| 40 | Salinity-Induced Variation in Biochemical Markers Provides Insight into the Mechanisms of Salt Tolerance in Common (Phaseolus vulgaris) and Runner (P. coccineus) Beans. International Journal of Molecular Sciences, 2016, 17, 1582. | 1.8 | 44 |
| 41 | Flavonoids: Antioxidant Compounds for Plant Defence... and for a Healthy Human Diet. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 46, 14-21. | 0.5 | 44 |
| 42 | The yeast SR protein kinase Sky1p modulates salt tolerance, membrane potential and the Trk1,2 potassium transporter. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1565, 36-40. | 1.4 | 43 |
| 43 | Lithium treatment induces a hypersensitive-like response in tobacco. Planta, 2003, 217, 417-424. | 1.6 | 43 |
| 44 | Comparative analysis of the responses to water stress in eggplant (Solanum melongena) cultivars. Plant Physiology and Biochemistry, 2019, 143, 72-82. | 2.8 | 41 |
| 45 | In situ characterization of the late vacuolate microspore as a convenient stage to induce embryogenesis inCapsicum. Protoplasma, 1995, 187, 60-71. | 1.0 | 40 |
| 46 | Plant endogenous Î²-glucuronidase activity: how to avoid interference with the use of theE. coli Î²-glucuronidase as a reporter gene in transgenic plants. Transgenic Research, 1992, 1, 63-70. | 1.3 | 39 |
| 47 | Mitigation of Salt Stress-Induced Inhibition of Plantago crassifolia Reproductive Development by Supplemental Calcium or Magnesium. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2012, 40, 58. | 0.5 | 37 |
| 48 | Responses to salt stress in Juncus acutus and J. maritimus during seed germination and vegetative plant growth. Plant Biosystems, 2011, 145, 770-777. | 0.8 | 36 |
| 49 | Modern Biotechnologies: Innovative and Sustainable Approaches for the Improvement of Sugarcane Tolerance to Environmental Stresses. Agronomy, 2021, 11, 1042. | 1.3 | 36 |
| 50 | Stress tolerance mechanisms in Juncus: responses to salinity and drought in three Juncus species adapted to different natural environments. Functional Plant Biology, 2016, 43, 949. | 1.1 | 34 |
| 51 | Screening for drought tolerance in cultivars of the ornamental genusTagetes(Asteraceae). PeerJ, 2016, 4, e2133. | 0.9 | 34 |
| 52 | Expression of Bet v 1, the major birch pollen allergen, during anther development. Protoplasma, 1995, 187, 103-110. | 1.0 | 33 |
| 53 | Proline and glycine betaine accumulation in two succulent halophytes under natural and experimental conditions. Plant Biosystems, 2016, 150, 904-915. | 0.8 | 33 |
| 54 | Unraveling Sorghum Allelopathy in Agriculture: Concepts and Implications. Plants, 2021, 10, 1795. | 1.6 | 33 |

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|---|---|---|---|
| 55 | Enhanced Agronomic Efficiency Using a New Controlled-Released, Polymeric-Coated Nitrogen Fertilizer in Rice. Plants, 2020, 9, 1183. | 1.6 | 32 |
| 56 | Ultrastructural distribution of a MAP kinase and transcripts in quiescent and cycling plant cells and pollen grains. Journal of Cell Science, 1999, 112, 1065-1076. | 1.2 | 31 |
| 57 | Cellular changes during the acquisition of embryogenic potential in isolated pollen grains ofNicotiana tabacum. Protoplasma, 1995, 186, 220-230. | 1.0 | 28 |
| 58 | Studies on the activation of the heme-stabilized translational inhibitor of reticulocyte lysates by oxidized glutathione and NADPH depletion. Archives of Biochemistry and Biophysics, 1985, 239, 497-507. | 1.4 | 27 |
| 59 | Intragenomic diversity and phylogenetic systematics of wild rosemaries (Rosmarinus officinalis L. s.l.,) Tj ETQq1 1 0.784314 rgBT /Ove<br>262, 1-12. | 0.3 | 27 |
| 60 | Identification of Salt Stress Biomarkers in Romanian Carpathian Populations of Picea abies (L.) Karst.. PLoS ONE, 2015, 10, e0135419. | 1.1 | 27 |
| 61 | Physiological and Biochemical Responses to Salt Stress in Cultivated Eggplant (Solanum melongena L.) and in S. insanum L., a Close Wild Relative. Agronomy, 2020, 10, 651. | 1.3 | 27 |
| 62 | Evidence for the activation of a MAP kinase upon phosphate-induced cell cycle re-entry in tobacco cells. Physiologia Plantarum, 1998, 102, 532-538. | 2.6 | 26 |
| 63 | Variable Levels of Tolerance to Water Stress (Drought) and Associated Biochemical Markers in Tunisian Barley Landraces. Molecules, 2018, 23, 613. | 1.7 | 25 |
| 64 | Maintenance of gametophytic development after symmetrical division in tobacco microspore culture. Sexual Plant Reproduction, 1995, 8, 70. | 2.2 | 24 |
| 65 | Responses of succulents to drought: Comparative analysis of four Sedum (Crassulaceae) species. Scientia Horticulturae, 2019, 243, 235-242. | 1.7 | 24 |
| 66 | Isolation and expression during pollen development of a tobacco cDNA clone encoding a protein kinase homologous to shaggy/glycogen synthase kinase-3. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1260, 315-319. | 2.4 | 23 |
| 67 | Ultrastructural rRNA localization in plant cell nucleoli RNA/RNA in situ hybridization, autoradiography and cytochemistry. Journal of Cell Science, 1993, 106, 1333-1346. | 1.2 | 22 |
| 68 | Constitutive and Induced Salt Tolerance Mechanisms and Potential Uses of Limonium Mill. Species. Agronomy, 2021, 11, 413. | 1.3 | 21 |
| 69 | Inhibition of eukaryotic cell-free protein synthesis by thionins from wheat endosperm. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1983, 740, 52-56. | 2.4 | 20 |
| 70 | Effects of salt stress on the reproductive biology of the halophyte Plantago crassifolia. Biologia Plantarum, 2005, 49, 141-143. | 1.9 | 20 |
| 71 | Comparative analysis of water deficit and salt tolerance mechanisms in Silene. South African Journal of Botany, 2018, 117, 193-206. | 1.2 | 20 |
| 72 | RNA 3â€²-terminal phosphate cyclase from HeLa cells. Methods in Enzymology, 1990, 181, 499-510. | 0.4 | 19 |

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|---|---|---|---|
| 73 | Salt Stress Proteins Identified by a Functional Approach in Yeast. Monatshefte FÃ¼r Chemie, 2003, 134, 1445-1464. | 0.9 | 19 |
| 74 | Identification of Salt and Drought Biochemical Stress Markers in Several Silene vulgaris Populations. Sustainability, 2019, 11, 800. | 1.6 | 19 |
| 75 | Insights on Salt Tolerance of Two Endemic Limonium Species from Spain. Metabolites, 2019, 9, 294. | 1.3 | 19 |
| 76 | Biochemical responses to drought, at the seedling stage, of several Romanian Carpathian populations of Norway spruce (Picea abies L. Karst). Trees - Structure and Function, 2017, 31, 1479-1490. | 0.9 | 18 |
| 77 | Comparative Studies on the Physiological and Biochemical Responses to Salt Stress of Eggplant (Solanum melongena) and Its Rootstock S. torvum. Agriculture (Switzerland), 2020, 10, 328. | 1.4 | 18 |
| 78 | Protein synthesis in Drosophila melanogaster embryos. Purification and characterization of polypeptide chain-initiation factor 2. FEBS Journal, 1987, 162, 221-229. | 0.2 | 17 |
| 79 | Effects of Drought and Salinity on European Larch (Larix decidua Mill.) Seedlings. Forests, 2018, 9, 320. | 0.9 | 17 |
| 80 | Qualitative and Quantitative Differences in Osmolytes Accumulation and Antioxidant Activities in Response to Water Deficit in Four Mediterranean Limonium Species. Plants, 2019, 8, 506. | 1.6 | 17 |
| 81 | Growth and antioxidant responses triggered by water stress in wild relatives of eggplant. Scientia Horticulturae, 2022, 293, 110685. | 1.7 | 17 |
| 82 | Highly informative SSR genotyping reveals large genetic diversity and limited differentiation in European larch (Larixdecidua) populations from Romania. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2018, 42, 165-175. | 0.8 | 16 |
| 83 | Responses to Salt Stress in Portulaca: Insight into Its Tolerance Mechanisms. Plants, 2020, 9, 1660. | 1.6 | 16 |
| 84 | Physiological and morphological characterisation of Limonium species in their natural habitats: Insights into their abiotic stress responses. Plant and Soil, 2020, 449, 267-284. | 1.8 | 16 |
| 85 | Chromosome numbers, karyotypes and nuclear DNA contents from perennial polyploid groups ofCerastium (Caryophyllaceae). Plant Systematics and Evolution, 1999, 218, 13-21. | 0.3 | 15 |
| 86 | A Methodological Approach for Testing the Viability of Seeds Stored in Short-Term Seed Banks. Notulae Scientia Biologicae, 2017, 9, 563-570. | 0.1 | 15 |
| 87 | Bet v 1 proteins, the major birch pollen allergens and members of a family of conserved pathogenesis-related proteins, show ribonuclease activity in vitro. Physiologia Plantarum, 1996, 96, 433-438. | 2.6 | 15 |
| 88 | Purification of RNA 3'-terminal-phosphate cyclase from HeLa cells. Covalent modification of the enzyme with different nucleotides. FEBS Journal, 1988, 176, 431-439. | 0.2 | 14 |
| 89 | Contribution of Osmolyte Accumulation to Abiotic Stress Tolerance in Wild Plants Adapted to Different Stressful Environments. , 2016, , 13-25. | | 14 |
| 90 | Morphological and Agronomic Characterization of Spanish Landraces of Phaseolus vulgaris L.. Agriculture (Switzerland), 2019, 9, 149. | 1.4 | 14 |

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|---|---|---|---|
| 91 | A brief overview of global biotechnology. Biotechnology and Biotechnological Equipment, 2021, 35, S5-S14. | 0.5 | 14 |
| 92 | Comparative analysis of drought responses in Phaseolus vulgaris (common bean) and P. coccineus (runner bean) cultivars. The EuroBiotech Journal, 2017, 1, 247-252. | 0.5 | 14 |
| 93 | Recovery from Salinity and Drought Stress in the Perennial Sarcocornia fruticosa vs. the Annual Salicornia europaea and S. veneta. Plants, 2022, 11, 1058. | 1.6 | 14 |
| 94 | Stress-tolerant Wild Plants: a Source of Knowledge and Biotechnological Tools for the Genetic Improvement of Stress Tolerance in Crop Plants. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2012, 40, 323. | 0.5 | 13 |
| 95 | Is salinity the main ecologic factor that shapes the distribution of two endemic Mediterranean plant species of the genus Gypsophila?. Plant and Soil, 2014, 384, 363-379. | 1.8 | 13 |
| 96 | Responses to Salinity in Four Plantago Species from Tunisia. Plants, 2021, 10, 1392. | 1.6 | 13 |
| 97 | Efficient microspore embryogenesis in wheat ( Triticum aestivum L.) induced by starvation at high temperature. Sexual Plant Reproduction, 1996, 9, 209-215. | 2.2 | 13 |
| 98 | In situ molecular identification of the Ntf4 MAPK expression sites in maturing and germinating pollen. Biology of the Cell, 2007, 99, 209-221. | 0.7 | 12 |
| 99 | Preformed mRNA in Cotyledons of Ungerminated Seeds of Cicer arietinum L.. Plant Physiology, 1980, 65, 1128-1132. | 2.3 | 11 |
| 100 | Screening for Salt Tolerance in Four Local Varieties of Phaseolus lunatus from Spain. Agriculture (Switzerland), 2018, 8, 201. | 1.4 | 11 |
| 101 | Responses to Water Deficit and Salt Stress in Silver Fir (Abies alba Mill.) Seedlings. Forests, 2020, 11, 395. | 0.9 | 11 |
| 102 | Stability in Ploidy Level During Somatic Embryogenesis in Quercus Canariensis. Forestry Sciences, 1996, , 23-28. | 0.4 | 11 |
| 103 | The genus Portulaca as a suitable model to study the mechanisms of plant tolerance to drought and salinity. The EuroBiotech Journal, 2018, 2, 104-113. | 0.5 | 11 |
| 104 | Environmental-dependent proline accumulation in plants living on gypsum soils. Acta Physiologiae Plantarum, 2013, 35, 2193-2204. | 1.0 | 10 |
| 105 | Effects of Drought and Salinity on Two Commercial Varieties of Lavandula angustifolia Mill. Plants, 2020, 9, 637. | 1.6 | 10 |
| 106 | Effects of Salt and Water Stress on Plant Growth and on Accumulation of Osmolytes and Antioxidant Compounds in Cherry Tomato. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, . | 0.5 | 10 |
| 107 | Stress-induced microspore embryogenesis in tobacco: an optimized system for molecular studies. Plant Cell Reports, 1996, 15, 561-565. | 2.8 | 9 |
| 108 | Opportunistic Germination Behaviour of Gypsophila (Caryophyllaceae) in Two Priority Habitats from Semi-arid Mediterranean Steppes. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2011, 39, 18. | 0.5 | 8 |

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|---|---|---|---|
| 109 | In Vitro Pollen Cultures: Progress and Perspectives. , 1996, , 85-109. | | 8 |
| 110 | Genetic variability in the endemic Leucojum valentinum. Biologia Plantarum, 2009, 53, 317-320. | 1.9 | 7 |
| 111 | Growth and Reproductive Success under Saline Conditions of Three <i>Plantago</i> Species with Different Levels of Stress Tolerance. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2014, 42, . | 0.5 | 7 |
| 112 | Agronomic Assessment of a Controlled-Release Polymer-Coated Urea-Based Fertilizer in Maize. Plants, 2021, 10, 594. | 1.6 | 7 |
| 113 | Pollen cultures as a tool to study plant development. Cell Biology Reviews: CBR, 1991, 25, 295-306. | 0.2 | 7 |
| 114 | FUNCTIONAL GENOMICS OF SALT TOLERANCE: THE YEAST OVEREXPRESSION APPROACH. Acta Horticulturae, 2003, , 31-38. | 0.1 | 6 |
| 115 | Identification of Discriminant Factors after Exposure of Maize and Common Bean Plantlets to Abiotic Stresses. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, 589-598. | 0.5 | 6 |
| 116 | Anatomical Modifications in two Juncus Species under Salt Stress Conditions. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, 501-506. | 0.5 | 6 |
| 117 | Physiological and Biochemical Responses to Water Stress and Salinity of the Invasive Moth Plant, Araujia sericifera Brot., during Seed Germination and Vegetative Growth. Agronomy, 2022, 12, 361. | 1.3 | 6 |
| 118 | Biological Traits and Genetic Relationships Amongst Cultivars of Three Species of Tagetes (Asteraceae). Plants, 2022, 11, 760. | 1.6 | 6 |
| 119 | Essential Oils of Three Aromatic Plant Species as Natural Herbicides for Environmentally Friendly Agriculture. Sustainability, 2022, 14, 3596. | 1.6 | 6 |
| 120 | Effects of Four-Week Exposure to Salt Treatments on Germination and Growth of Two Amaranthus Species. Soil Systems, 2022, 6, 57. | 1.0 | 6 |
| 121 | Phosphorylation and guanine nucleotide exchange on polypeptide chain initiation factor-2 from Artemia embryos. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1007, 55-60. | 2.4 | 5 |
| 122 | Screening for Salt and Water Stress Tolerance in Fir (Abies alba) Populations. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2019, 47, 1063-1072. | 0.5 | 5 |
| 123 | Responses to Increased Salinity and Severe Drought in the Eastern Iberian Endemic Species Thalictrum maritimum (Ranunculaceae), Threatened by Climate Change. Plants, 2020, 9, 1251. | 1.6 | 5 |
| 124 | Moderate and severe water stress effects on morphological and biochemical traits in a set of pepino (Solanum muricatum) cultivars. Scientia Horticulturae, 2021, 284, 110143. | 1.7 | 5 |
| 125 | Responses to Environmental Stress in Plants Adapted to Mediterranean Gypsum Habitats. Notulae Scientia Biologicae, 2015, 7, . | 0.1 | 4 |
| 126 | Biochemical Markers of Salt Stress in European Larch (Larix decidua). Notulae Scientia Biologicae, 2018, 10, 430-438. | 0.1 | 4 |

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|---|---|---|---|
| 127 | Responses to Drought in Seedlings of European Larch (Larix decidua Mill.) from Several Carpathian Provenances. Forests, 2019, 10, 511. | 0.9 | 4 |
| 128 | Assessing the effects of in vitro imposed water stress on pineapple growth in relation to biochemical stress indicators using polynomial regression analysis. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2020, 48, 162-170. | 0.5 | 4 |
| 129 | Genetic Relationships and Reproductive Traits of Romanian Populations of Silver Fir (Abies alba): Implications for the Sustainable Management of Local Populations. Sustainability, 2020, 12, 4199. | 1.6 | 4 |
| 130 | Comparative studies on the stress responses of two Bupleurum (Apiaceae) species in support of conservation programmes. Environmental and Experimental Botany, 2021, 191, 104616. | 2.0 | 4 |
| 131 | Antioxidant responses to drought and salinity in Lavandula angustifolia Mill.. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2020, 48, 1980-1992. | 0.5 | 4 |
| 132 | Nuclear DNA content variation inHalimiumandXolantha(Cistaceae). Plant Biosystems, 2008, 142, 17-23. | 0.8 | 3 |
| 133 | Plant responses to abiotic stress. Current Opinion in Biotechnology, 2011, 22, S130. | 3.3 | 3 |
| 134 | Drought Tolerance in Several Tagetes L. Cultivars. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2014, 71, . | 0.2 | 3 |
| 135 | Responses to Environmental Stress in Plants Adapted to Mediterranean Gypsum Habitats. Notulae Scientia Biologicae, 2015, 7, 37-44. | 0.1 | 3 |
| 136 | Effect of the Pesticide Endosulfan and Two Different Biostimulants on the Stress Responses of Phaseolus leptostachyus Plants Grown in a Saline Soil. Agronomy, 2021, 11, 1208. | 1.3 | 3 |
| 137 | Constitutive and Adaptive Traits of Environmental Stress Tolerance in the Threatened Halophyte Limonium angustebracteatum Erben (Plumbaginaceae). Plants, 2022, 11, 1137. | 1.6 | 3 |
| 138 | Creating Products and Services in Plant Biotechnology. , 2019, , 19-52. | | 2 |
| 139 | Multidisciplinary studies supporting conservation programmes of two rare, endangered Limonium species from Spain. Plant and Soil, 2021, 466, 505-524. | 1.8 | 2 |
| 140 | European Biotech Entrepreneur Profile: Case Studies. , 2019, , 251-258. | | 2 |
| 141 | Transgenic crops: Present status and future developments. Current Opinion in Biotechnology, 2011, 22, S22. | 3.3 | 1 |
| 142 | Cloning, Sequence Analysis and Expression Patterns during Seed Germination of a Rapeseed (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 T<br>435-444. | 0.5 | 1 |
| 143 | Role of active transport of potassium to leaves in the mechanisms of tolerance to salinity in common bean (Phaseolus vulgaris L.). Notulae Scientia Biologicae, 2020, 12, 447-459. | 0.1 | 1 |
| 144 | Adaptive responses to drought of two Retama raetam subspecies from Tunisia. Journal of Plant Ecology, 2021, 14, 527-540. | 1.2 | 1 |

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|---|---|---|---|
| 145 | Identification of Discriminant Factors after Exposure of Maize and Common Bean Plantlets to Abiotic Stresses. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, . | 0.5 | 1 |
| 146 | Effects of Salt on Seed Germination and Seedling Growth of Three Portulaca Species. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2015, 72, . | 0.2 | 1 |
| 147 | HPLC-DAD-ESI+-MS phytochemical profiles of several Rosmarinus Officinalis accessions from spain as influenced by different environmental stress conditions. Studia Universitatis Babes-Bolyai Chemia, 2019, 64, 163-180. | 0.1 | 1 |
| 148 | Exposure of pineapple shoot tips to liquid nitrogen and cryostorage do not affect the histological status of regenerated plantlets. Romanian Biotechnological Letters, 2019, 24, 1061-1066. | 0.5 | 1 |
| 149 | Growth of pineapple plantlets during acclimatisation can be monitored through automated image analysis of the canopy. The EuroBiotech Journal, 2020, 4, 223-229. | 0.5 | 1 |
| 150 | Sexual plant reproduction research. Protoplasma, 1995, 187, 1-2. | 1.0 | 0 |
| 151 | Stress tolerance mechanisms in wild plants. Journal of Biotechnology, 2012, 161, 8. | 1.9 | 0 |
| 152 | Biotechnological applications of halophytes. Current Opinion in Biotechnology, 2013, 24, S25. | 3.3 | 0 |
| 153 | Improving the abiotic stress tolerance of food crops. Journal of Biotechnology, 2014, 185, S5. | 1.9 | 0 |
| 154 | Comparative Analysis of the Antioxidant Response to Salt Stress in Inula crithmoides and Dittrichia viscosa. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2015, 72, . | 0.2 | 0 |
| 155 | Expression of the Vacuolar Na+/H+ Antiporter Gene (NHX1) in Three Plantago Species Differing in Salt Tolerance. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2015, 72, . | 0.2 | 0 |
| 156 | Mechanisms of Response to Salt Stress in Oleander (Nerium oleander L.). Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2016, 73, 249. | 0.2 | 0 |
| 157 | Drought responses in six hazelnut (Corylus avellana L.) cultivars. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2016, 73, 259. | 0.2 | 0 |
| 158 | Plant â€˜molecular pharmingâ€™. Journal of Biotechnology, 2016, 231, S6-S7. | 1.9 | 0 |
| 159 | Developing innovative tools to support educational programmes in Biotechnology and Entrepreneurship. Journal of Biotechnology, 2019, 305, S8-S9. | 1.9 | 0 |
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