

# Oscar Vicente

## List of Publications by Citations

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141  
papers

4,121  
citations

37  
h-index

59  
g-index

176  
ext. papers

4,706  
ext. citations

3.2  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
141	Initiation of microspore embryogenesis by stress. <i>Trends in Plant Science</i> , <b>1997</b> , 2, 297-302	13.1	233
140	Breeding and Domesticating Crops Adapted to Drought and Salinity: A New Paradigm for Increasing Food Production. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 978	6.2	180
139	Flavonols stimulate development, germination, and tube growth of tobacco pollen. <i>Plant Physiology</i> , <b>1992</b> , 100, 902-7	6.6	160
138	Isoforms of Bet v 1, the major birch pollen allergen, analyzed by liquid chromatography, mass spectrometry, and cDNA cloning. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 2607-13	5.4	155
137	Efficient microspore embryogenesis in wheat ( <i>Triticum aestivum</i> L.) induced by starvation at high temperature. <i>Sexual Plant Reproduction</i> , <b>1996</b> , 9, 209-215		133
136	Responses to salt stress in the halophyte <i>Plantago crassifolia</i> (Plantaginaceae). <i>Journal of Arid Environments</i> , <b>2004</b> , 58, 463-481	2.5	111
135	Reactivity with monoclonal antibodies of viruses from an episode of foot-and-mouth disease. <i>Virus Research</i> , <b>1987</b> , 8, 261-74	6.4	109
134	Development of a citrus genome-wide EST collection and cDNA microarray as resources for genomic studies. <i>Plant Molecular Biology</i> , <b>2005</b> , 57, 375-91	4.6	103
133	Spitzer Mid-Infrared Spectroscopy of Ices toward Extincted Background Stars. <i>Astrophysical Journal</i> , <b>2005</b> , 635, L145-L148	4.7	100
132	A cell cycle regulated MAP kinase with a possible role in cytokinesis in tobacco cells. <i>Journal of Cell Science</i> , <b>1998</b> , 111, 3091-3100	5.3	98
131	The expression of a small heat shock gene is activated during induction of tobacco pollen embryogenesis by starvation*. <i>Plant, Cell and Environment</i> , <b>1995</b> , 18, 139-147	8.4	92
130	Stress-induced microspore embryogenesis in tobacco: an optimized system for molecular studies. <i>Plant Cell Reports</i> , <b>1996</b> , 15, 561-5	5.1	92
129	A developmentally regulated MAP kinase activated by hydration in tobacco pollen. <i>Plant Cell</i> , <b>1997</b> , 9, 2093-100	11.6	89
128	Bet v 1 proteins, the major birch pollen allergens and members of a family of conserved pathogenesis-related proteins, show ribonuclease activity in vitro. <i>Physiologia Plantarum</i> , <b>1996</b> , 96, 433-438	4.6	77
127	Are soluble carbohydrates ecologically relevant for salt tolerance in halophytes?. <i>Functional Plant Biology</i> , <b>2013</b> , 40, 805-818	2.7	74
126	Overexpression of <i>Arabidopsis thaliana</i> LTL1, a salt-induced gene encoding a GDSL-motif lipase, increases salt tolerance in yeast and transgenic plants. <i>Plant, Cell and Environment</i> , <b>2006</b> , 29, 1890-900	8.4	73
125	Isolation and characterization of a tobacco cDNA clone encoding a putative MAP kinase. <i>Plant Molecular Biology</i> , <b>1993</b> , 23, 543-51	4.6	71

124	Effects of salinity and drought on growth, ionic relations, compatible solutes and activation of antioxidant systems in oleander ( <i>Nerium oleander</i> L.). <i>PLoS ONE</i> , <b>2017</b> , 12, e0185017	3.7	68
123	Stress as the major signal controlling the developmental fate of tobacco microspores: towards a unified model of induction of microspore/pollen embryogenesis. <i>Planta</i> , <b>1996</b> , 200, 144	4.7	68
122	Expression of Arabidopsis SR-like splicing proteins confers salt tolerance to yeast and transgenic plants. <i>Plant Journal</i> , <b>2002</b> , 30, 511-9	6.9	66
121	Antioxidant responses under salinity and drought in three closely related wild monocots with different ecological optima. <i>AoB PLANTS</i> , <b>2017</b> , 9, plx009	2.9	60
120	Stress-induced formation of haploid plants through anther culture in cork oak ( <i>Quercus suber</i> ). <i>Physiologia Plantarum</i> , <b>1997</b> , 99, 335-341	4.6	60
119	Derepression of the cell cycle by starvation is involved in the induction of tobacco pollen embryogenesis. <i>Sexual Plant Reproduction</i> , <b>1992</b> , 5, 189-194		60
118	Molecular cloning, functional expression in <i>Escherichia coli</i> , and characterization of multiple mitogen-activated-protein kinases from tobacco. <i>FEBS Journal</i> , <b>1995</b> , 233, 249-57		59
117	Effects of Salt and Water Stress on Plant Growth and on Accumulation of Osmolytes and Antioxidant Compounds in Cherry Tomato. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2015</b> , 43, 1-11	1.2	54
116	cDNA cloning and characterization of three genes in the Bet v 1 gene family that encode pathogenesis-related proteins*. <i>Plant, Cell and Environment</i> , <b>1995</b> , 18, 865-874	8.4	52
115	A birch gene family encoding pollen allergens and pathogenesis-related proteins. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1994</b> , 1219, 457-64		50
114	Intra- and interspecific variation in DNA content in <i>Cistus</i> (Cistaceae). <i>Annals of Botany</i> , <b>2002</b> , 90, 345-51	4.1	48
113	Responses of five Mediterranean halophytes to seasonal changes in environmental conditions. <i>AoB PLANTS</i> , <b>2014</b> , 6,	2.9	47
112	Environmentally induced changes in antioxidant phenolic compounds levels in wild plants. <i>Acta Physiologiae Plantarum</i> , <b>2016</b> , 38, 1	2.6	46
111	Soluble Carbohydrates as Osmolytes in Several Halophytes from a Mediterranean Salt Marsh. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2011</b> , 39, 09	1.2	45
110	Unraveling Salt Tolerance Mechanisms in Halophytes: A Comparative Study on Four Mediterranean Species with Different Geographic Distribution Patterns. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1438	6.2	44
109	De novo transcription of specific mRNAs during the induction of tobacco pollen embryogenesis. <i>Sexual Plant Reproduction</i> , <b>1993</b> , 6, 40		44
108	Effects of Salt Stress on Three Ecologically Distinct <i>Plantago</i> Species. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160236	3.7	44
107	Do Halophytes Really Require Salts for Their Growth and Development? An Experimental Approach. <i>Notulae Scientia Biologicae</i> , <b>2012</b> , 4, 23-29	0.4	41

106	Proline as a biochemical marker in relation to the ecology of two halophytic <i>Juncus</i> species. <i>Journal of Plant Ecology</i> , <b>2013</b> , 6, 177-186	1.7	39
105	Native-Invasive Plants vs. Halophytes in Mediterranean Salt Marshes: Stress Tolerance Mechanisms in Two Related Species. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 473	6.2	38
104	Lithium treatment induces a hypersensitive-like response in tobacco. <i>Planta</i> , <b>2003</b> , 217, 417-24	4.7	36
103	The yeast SR protein kinase Sky1p modulates salt tolerance, membrane potential and the Trk1,2 potassium transporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2002</b> , 1565, 36-40	3.8	34
102	In situ characterization of the late vacuolate microspore as a convenient stage to induce embryogenesis in <i>Capsicum</i> . <i>Protoplasma</i> , <b>1995</b> , 187, 60-71	3.4	32
101	Plant endogenous beta-glucuronidase activity: how to avoid interference with the use of the <i>E. coli</i> beta-glucuronidase as a reporter gene in transgenic plants. <i>Transgenic Research</i> , <b>1992</b> , 1, 63-70	3.3	31
100	Salinity-Induced Variation in Biochemical Markers Provides Insight into the Mechanisms of Salt Tolerance in Common ( <i>Phaseolus vulgaris</i> ) and Runner ( <i>P. coccineus</i> ) Beans. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	30
99	Responses to salt stress in <i>Juncus acutus</i> and <i>J. maritimus</i> during seed germination and vegetative plant growth. <i>Plant Biosystems</i> , <b>2011</b> , 145, 770-777	1.6	29
98	Studies on the activation of the heme-stabilized translational inhibitor of reticulocyte lysates by oxidized glutathione and NADPH depletion. <i>Archives of Biochemistry and Biophysics</i> , <b>1985</b> , 239, 497-507	4.1	26
97	Stress tolerance mechanisms in <i>Juncus</i> : responses to salinity and drought in three <i>Juncus</i> species adapted to different natural environments. <i>Functional Plant Biology</i> , <b>2016</b> , 43, 949-960	2.7	25
96	Flavonoids: Antioxidant Compounds for Plant Defence... and for a Healthy Human Diet. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2017</b> , 46, 14-21	1.2	25
95	Ultrastructural distribution of a MAP kinase and transcripts in quiescent and cycling plant cells and pollen grains. <i>Journal of Cell Science</i> , <b>1999</b> , 112, 1065-1076	5.3	25
94	Proline and glycine betaine accumulation in two succulent halophytes under natural and experimental conditions. <i>Plant Biosystems</i> , <b>2016</b> , 150, 904-915	1.6	24
93	Screening for drought tolerance in cultivars of the ornamental genus <i>Tagetes</i> (Asteraceae). <i>PeerJ</i> , <b>2016</b> , 4, e2133	3.1	24
92	Mitigation of Salt Stress-Induced Inhibition of <i>Plantago crassifolia</i> Reproductive Development by Supplemental Calcium or Magnesium. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2012</b> , 40, 58	1.2	23
91	Intragenomic diversity and phylogenetic systematics of wild rosemaries ( <i>Rosmarinus officinalis</i> L. s.l., Lamiaceae) assessed by nuclear ribosomal DNA sequences (ITS). <i>Plant Systematics and Evolution</i> , <b>2006</b> , 262, 1-12	1.3	23
90	Cellular changes during the acquisition of embryogenic potential in isolated pollen grains of <i>Nicotiana tabacum</i> . <i>Protoplasma</i> , <b>1995</b> , 186, 220-230	3.4	23
89	Comparative analysis of the responses to water stress in eggplant ( <i>Solanum melongena</i> ) cultivars. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 143, 72-82	5.4	22

88	Identification of Salt Stress Biomarkers in Romanian Carpathian Populations of <i>Picea abies</i> (L.) Karst. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135419	3.7	21
87	Expression of Bet v 1, the major birch pollen allergen, during anther development. <i>Protoplasma</i> , <b>1995</b> , 187, 103-110	3.4	21
86	The Use of Proline in Screening for Tolerance to Drought and Salinity in Common Bean ( <i>Phaseolus vulgaris</i> L.) Genotypes. <i>Agronomy</i> , <b>2020</b> , 10, 817	3.6	20
85	New Eco-Friendly Polymeric-Coated Urea Fertilizers Enhanced Crop Yield in Wheat. <i>Agronomy</i> , <b>2020</b> , 10, 438	3.6	20
84	Evidence for the activation of a MAP kinase upon phosphate-induced cell cycle re-entry in tobacco cells. <i>Physiologia Plantarum</i> , <b>1998</b> , 102, 532-538	4.6	20
83	Isolation and expression during pollen development of a tobacco cDNA clone encoding a protein kinase homologous to shaggy/glycogen synthase kinase-3. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1995</b> , 1260, 315-9		19
82	Inhibition of eukaryotic cell-free protein synthesis by thionins from wheat endosperm. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1983</b> , 740, 52-56		18
81	Comparative analysis of water deficit and salt tolerance mechanisms in <i>Silene</i> . <i>South African Journal of Botany</i> , <b>2018</b> , 117, 193-206	2.9	17
80	Maintenance of gametophytic development after symmetrical division in tobacco microspore culture. <i>Sexual Plant Reproduction</i> , <b>1995</b> , 8, 70		17
79	Protein synthesis in <i>Drosophila melanogaster</i> embryos. Purification and characterization of polypeptide chain-initiation factor 2. <i>FEBS Journal</i> , <b>1987</b> , 162, 221-9		17
78	RNA 3Rterminal phosphate cyclase from HeLa cells. <i>Methods in Enzymology</i> , <b>1990</b> , 181, 499-510	1.7	16
77	Identification of Salt and Drought Biochemical Stress Markers in Several <i>Silene vulgaris</i> Populations. <i>Sustainability</i> , <b>2019</b> , 11, 800	3.6	15
76	Variable Levels of Tolerance to Water Stress (Drought) and Associated Biochemical Markers in Tunisian Barley Landraces. <i>Molecules</i> , <b>2018</b> , 23,	4.8	15
75	Effects of salt stress on the reproductive biology of the halophyte <i>Plantago crassifolia</i> . <i>Biologia Plantarum</i> , <b>2005</b> , 49, 141-143	2.1	15
74	Modern Biotechnologies: Innovative and Sustainable Approaches for the Improvement of Sugarcane Tolerance to Environmental Stresses. <i>Agronomy</i> , <b>2021</b> , 11, 1042	3.6	15
73	Salt Stress Proteins Identified by a Functional Approach in Yeast. <i>Monatshefte Für Chemie</i> , <b>2003</b> , 134, 1445-1464	1.4	14
72	Ultrastructural rRNA localization in plant cell nucleoli. RNA/RNA in situ hybridization, autoradiography and cytochemistry. <i>Journal of Cell Science</i> , <b>1993</b> , 106, 1333-1346	5.3	14
71	Responses of succulents to drought: Comparative analysis of four <i>Sedum</i> (Crassulaceae) species. <i>Scientia Horticulturae</i> , <b>2019</b> , 243, 235-242	4.1	14

70	Biochemical responses to drought, at the seedling stage, of several Romanian Carpathian populations of Norway spruce ( <i>Picea abies</i> L. Karst). <i>Trees - Structure and Function</i> , <b>2017</b> , 31, 1479-1490	2.6	13
69	Chromosome numbers, karyotypes and nuclear DNA contents from perennial polyploid groups of <i>Cerastium</i> (Caryophyllaceae). <i>Plant Systematics and Evolution</i> , <b>1999</b> , 218, 13-21	1.3	13
68	Purification of RNA 3Rterminal phosphate cyclase from HeLa cells. Covalent modification of the enzyme with different nucleotides. <i>FEBS Journal</i> , <b>1988</b> , 176, 431-9		12
67	Enhanced Agronomic Efficiency Using a New Controlled-Released, Polymeric-Coated Nitrogen Fertilizer in Rice. <i>Plants</i> , <b>2020</b> , 9,	4.5	12
66	Physiological and Biochemical Responses to Salt Stress in Cultivated Eggplant ( <i>Solanum melongena</i> L.) and in <i>S. insanum</i> L., a Close Wild Relative. <i>Agronomy</i> , <b>2020</b> , 10, 651	3.6	11
65	Contribution of Osmolyte Accumulation to Abiotic Stress Tolerance in Wild Plants Adapted to Different Stressful Environments <b>2016</b> , 13-25		11
64	In situ molecular identification of the Ntf4 MAPK expression sites in maturing and germinating pollen. <i>Biology of the Cell</i> , <b>2007</b> , 99, 209-21	3.5	11
63	Physiological and morphological characterisation of <i>Limonium</i> species in their natural habitats: Insights into their abiotic stress responses. <i>Plant and Soil</i> , <b>2020</b> , 449, 267-284	4.2	10
62	Effects of Drought and Salinity on European Larch ( <i>Larix decidua</i> Mill.) Seedlings. <i>Forests</i> , <b>2018</b> , 9, 320	2.8	10
61	Efficient microspore embryogenesis in wheat ( <i>Triticum aestivum</i> L.) induced by starvation at high temperature <b>1996</b> , 9, 209		10
60	Qualitative and Quantitative Differences in Osmolytes Accumulation and Antioxidant Activities in Response to Water Deficit in Four Mediterranean Species. <i>Plants</i> , <b>2019</b> , 8,	4.5	10
59	Insights on Salt Tolerance of Two Endemic Species from Spain. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	10
58	Highly informative SSR genotyping reveals large genetic diversity and limited differentiation in European larch ( <i>Larix decidua</i> ) populations from Romania. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , <b>2018</b> , 42, 165-175	2.2	10
57	A Methodological Approach for Testing the Viability of Seeds Stored in Short-Term Seed Banks. <i>Notulae Scientia Biologicae</i> , <b>2017</b> , 9, 563-570	0.4	9
56	Environmental-dependent proline accumulation in plants living on gypsum soils. <i>Acta Physiologiae Plantarum</i> , <b>2013</b> , 35, 2193-2204	2.6	9
55	Is salinity the main ecologic factor that shapes the distribution of two endemic Mediterranean plant species of the genus <i>Gypsophila</i> ?. <i>Plant and Soil</i> , <b>2014</b> , 384, 363-379	4.2	9
54	Preformed mRNA in Cotyledons of Ungerminated Seeds of <i>Cicer arietinum</i> L. <i>Plant Physiology</i> , <b>1980</b> , 65, 1128-32	6.6	9
53	Comparative Studies on the Physiological and Biochemical Responses to Salt Stress of Eggplant ( <i>Solanum melongena</i> ) and Its Rootstock <i>S. torvum</i> . <i>Agriculture (Switzerland)</i> , <b>2020</b> , 10, 328	3	9

52	Screening for Salt Tolerance in Four Local Varieties of Phaseolus lunatus from Spain. <i>Agriculture (Switzerland)</i> , <b>2018</b> , 8, 201	3	9
51	Unraveling Sorghum Allelopathy in Agriculture: Concepts and Implications. <i>Plants</i> , <b>2021</b> , 10,	4.5	9
50	Morphological and Agronomic Characterization of Spanish Landraces of Phaseolus vulgaris L.. <i>Agriculture (Switzerland)</i> , <b>2019</b> , 9, 149	3	8
49	Stress-tolerant Wild Plants: a Source of Knowledge and Biotechnological Tools for the Genetic Improvement of Stress Tolerance in Crop Plants. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2012</b> , 40, 323	1.2	8
48	Effects of Salt and Water Stress on Plant Growth and on Accumulation of Osmolytes and Antioxidant Compounds in Cherry Tomato. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2015</b> , 43,	1.2	8
47	Comparative analysis of drought responses in Phaseolus vulgaris (common bean) and P. coccineus (runner bean) cultivars. <i>The EuroBiotech Journal</i> , <b>2017</b> , 1, 247-252	1.5	8
46	Stability in Ploidy Level During Somatic Embryogenesis in Quercus Canariensis. <i>Forestry Sciences</i> , <b>1996</b> , 23-28		8
45	Growth and Reproductive Success under Saline Conditions of Three Plantago Species with Different Levels of Stress Tolerance. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2014</b> , 42,	1.2	7
44	Genetic variability in the endemic Leucojum valentinum. <i>Biologia Plantarum</i> , <b>2009</b> , 53, 317-320	2.1	7
43	Pollen cultures as a tool to study plant development. <i>Cell Biology Reviews: CBR</i> , <b>1991</b> , 25, 295-306		7
42	The genus Portulaca as a suitable model to study the mechanisms of plant tolerance to drought and salinity. <i>The EuroBiotech Journal</i> , <b>2018</b> , 2, 104-113	1.5	7
41	Stress-induced microspore embryogenesis in tobacco: an optimized system for molecular studies <b>1996</b> , 15, 561		7
40	Bet v 1 proteins, the major birch pollen allergens and members of a family of conserved pathogenesis-related proteins, show ribonuclease activity in vitro. <i>Physiologia Plantarum</i> , <b>1996</b> , 96, 433-438	4.6	7
39	Responses to Salt Stress in : Insight into Its Tolerance Mechanisms. <i>Plants</i> , <b>2020</b> , 9,	4.5	7
38	Constitutive and Induced Salt Tolerance Mechanisms and Potential Uses of Limonium Mill. Species. <i>Agronomy</i> , <b>2021</b> , 11, 413	3.6	7
37	Responses to Water Deficit and Salt Stress in Silver Fir (Abies alba Mill.) Seedlings. <i>Forests</i> , <b>2020</b> , 11, 3952.8		6
36	Identification of Discriminant Factors after Exposure of Maize and Common Bean Plantlets to Abiotic Stresses. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2015</b> , 43, 589-598	1.2	6
35	Opportunistic Germination Behaviour of Gypsophila (Caryophyllaceae) in Two Priority Habitats from Semi-arid Mediterranean Steppes. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2011</b> , 39, 18	1.2	6

34	FUNCTIONAL GENOMICS OF SALT TOLERANCE: THE YEAST OVEREXPRESSION APPROACH. <i>Acta Horticulturae</i> , <b>2003</b> , 31-38	0.3	5
33	Phosphorylation and guanine nucleotide exchange on polypeptide chain initiation factor-2 from <i>Artemia</i> embryos. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1989</b> , 1007, 55-60		5
32	Responses to Environmental Stress in Plants Adapted to Mediterranean Gypsum Habitats. <i>Notulae Scientia Biologicae</i> , <b>2015</b> , 7,	0.4	4
31	A brief overview of global biotechnology. <i>Biotechnology and Biotechnological Equipment</i> , <b>2021</b> , 35, S5-S14	4.6	4
30	In Vitro Pollen Cultures: Progress and Perspectives <b>1996</b> , 85-109		4
29	Effects of Drought and Salinity on Two Commercial Varieties of Mill. <i>Plants</i> , <b>2020</b> , 9,	4.5	3
28	Anatomical Modifications in two <i>Juncus</i> Species under Salt Stress Conditions. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2015</b> , 43, 501-506	1.2	3
27	Drought Tolerance in Several <i>Tagetes</i> L. Cultivars. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , <b>2014</b> , 71,	0.4	3
26	Plant responses to abiotic stress. <i>Current Opinion in Biotechnology</i> , <b>2011</b> , 22, S130	11.4	3
25	Nuclear DNA content variation in <i>Halimium</i> and <i>Xolantha</i> (Cistaceae). <i>Plant Biosystems</i> , <b>2008</b> , 142, 17-23	1.6	3
24	Antioxidant responses to drought and salinity in <i>Lavandula angustifolia</i> Mill.. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2020</b> , 48, 1980-1992	1.2	3
23	Growth and antioxidant responses triggered by water stress in wild relatives of eggplant. <i>Scientia Horticulturae</i> , <b>2022</b> , 293, 110685	4.1	3
22	Assessing the effects of in vitro imposed water stress on pineapple growth in relation to biochemical stress indicators using polynomial regression analysis. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2020</b> , 48, 162-170	1.2	3
21	Screening for Salt and Water Stress Tolerance in Fir ( <i>Abies alba</i> ) Populations. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2019</b> , 47, 1063-1072	1.2	3
20	Biochemical Markers of Salt Stress in European Larch ( <i>Larix decidua</i> ). <i>Notulae Scientia Biologicae</i> , <b>2018</b> , 10, 430-438	0.4	3
19	Responses to Salinity in Four Species from Tunisia. <i>Plants</i> , <b>2021</b> , 10,	4.5	3
18	Creating Products and Services in Plant Biotechnology <b>2019</b> , 19-52		2
17	Responses to Drought in Seedlings of European Larch ( <i>Larix decidua</i> Mill.) from Several Carpathian Provenances. <i>Forests</i> , <b>2019</b> , 10, 511	2.8	2



16	Responses to Environmental Stress in Plants Adapted to Mediterranean Gypsum Habitats. <i>Notulae Scientia Biologicae</i> , <b>2015</b> , 7, 37-44	0.4	2
15	Responses to Increased Salinity and Severe Drought in the Eastern Iberian Endemic Species (Ranunculaceae), Threatened by Climate Change. <i>Plants</i> , <b>2020</b> , 9,	4.5	2
14	Agronomic Assessment of a Controlled-Release Polymer-Coated Urea-Based Fertilizer in Maize. <i>Plants</i> , <b>2021</b> , 10,	4.5	2
13	Genetic Relationships and Reproductive Traits of Romanian Populations of Silver Fir ( <i>Abies alba</i> ): Implications for the Sustainable Management of Local Populations. <i>Sustainability</i> , <b>2020</b> , 12, 4199	3.6	1
12	Physiological and Biochemical Responses to Water Stress and Salinity of the Invasive Moth Plant, <i>Araujia sericifera</i> Brot., during Seed Germination and Vegetative Growth. <i>Agronomy</i> , <b>2022</b> , 12, 361	3.6	1
11	Growth of pineapple plantlets during acclimatisation can be monitored through automated image analysis of the canopy. <i>The EuroBiotech Journal</i> , <b>2020</b> , 4, 223-229	1.5	1
10	European Biotech Entrepreneur Profile: Case Studies <b>2019</b> , 251-258		1
9	Effect of the Pesticide Endosulfan and Two Different Biostimulants on the Stress Responses of <i>Phaseolus leptostachyus</i> Plants Grown in a Saline Soil. <i>Agronomy</i> , <b>2021</b> , 11, 1208	3.6	1
8	Cloning, Sequence Analysis and Expression Patterns during Seed Germination of a Rapeseed ( <i>Brassica napus</i> L.) G-x-S-x-G-motif Lipase Gene. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2016</b> , 44, 435-444	1.2	1
7	Comparative studies on the stress responses of two <i>Bupleurum</i> (Apiaceae) species in support of conservation programmes. <i>Environmental and Experimental Botany</i> , <b>2021</b> , 191, 104616	5.9	1
6	Moderate and severe water stress effects on morphological and biochemical traits in a set of pepino ( <i>Solanum muricatum</i> ) cultivars. <i>Scientia Horticulturae</i> , <b>2021</b> , 284, 110143	4.1	0
5	Multidisciplinary studies supporting conservation programmes of two rare, endangered <i>Limonium</i> species from Spain. <i>Plant and Soil</i> , <b>2021</b> , 466, 505-524	4.2	0
4	Essential Oils of Three Aromatic Plant Species as Natural Herbicides for Environmentally Friendly Agriculture. <i>Sustainability</i> , <b>2022</b> , 14, 3596	3.6	0
3	Embryogenic Cultures of Tobacco Pollen as a Model System to Study Plant Rejuvenation <b>1990</b> , 389-393		
2	Adaptive responses to drought of two <i>Retama rætam</i> subspecies from Tunisia. <i>Journal of Plant Ecology</i> , <b>2021</b> , 14, 527-540	1.7	
1	Effect of acetylsalicylic acid and ammonium sulphate on productive and physiological parameters in <i>Stipa caudata</i> under water shortage conditions. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , <b>2022</b> , 50, 12645	1.2	