

Sergi Munne Bosch

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262
papers

11,914
citations

58
h-index

101
g-index

268
ext. papers

14,373
ext. citations

5.5
avg, IF

7.16
L-index

#	Paper	IF	Citations
262	The Function of Tocopherols and Tocotrienols in Plants. <i>Critical Reviews in Plant Sciences</i> , 2002 , 21, 31-57	5.6	531
261	Die and let live: leaf senescence contributes to plant survival under drought stress. <i>Functional Plant Biology</i> , 2004 , 31, 203-216	2.7	469
260	The role of alpha-tocopherol in plant stress tolerance. <i>Journal of Plant Physiology</i> , 2005 , 162, 743-8	3.6	419
259	How relevant are flavonoids as antioxidants in plants?. <i>Trends in Plant Science</i> , 2009 , 14, 125-32	13.1	418
258	JUNGBRUNNEN1, a reactive oxygen species-responsive NAC transcription factor, regulates longevity in Arabidopsis. <i>Plant Cell</i> , 2012 , 24, 482-506	11.6	363
257	Ethylene Response Factors: A Key Regulatory Hub in Hormone and Stress Signaling. <i>Plant Physiology</i> , 2015 , 169, 32-41	6.6	344
256	Changes in carotenoids, tocopherols and diterpenes during drought and recovery, and the biological significance of chlorophyll loss in Rosmarinus officinalis plants. <i>Planta</i> , 2000 , 210, 925-31	4.7	291
255	Photo- and antioxidative protection, and a role for salicylic acid during drought and recovery in field-grown Phillyrea angustifolia plants. <i>Planta</i> , 2003 , 217, 758-66	4.7	264
254	Tocochromanol functions in plants: antioxidation and beyond. <i>Journal of Experimental Botany</i> , 2010 , 61, 1549-66	7	238
253	Rapid and sensitive hormonal profiling of complex plant samples by liquid chromatography coupled to electrospray ionization tandem mass spectrometry. <i>Plant Methods</i> , 2011 , 7, 37	5.8	232
252	Isoprenoids: an evolutionary pool for photoprotection. <i>Trends in Plant Science</i> , 2005 , 10, 166-9	13.1	229
251	The impact of global change factors on redox signaling underpinning stress tolerance. <i>Plant Physiology</i> , 2013 , 161, 5-19	6.6	227
250	Vitamins in plants: occurrence, biosynthesis and antioxidant function. <i>Trends in Plant Science</i> , 2010 , 15, 582-92	13.1	203
249	PRI assessment of long-term changes in carotenoids/chlorophyll ratio and short-term changes in de-epoxidation state of the xanthophyll cycle. <i>International Journal of Remote Sensing</i> , 2009 , 30, 4443-4455	2.1	174
248	Nanofertilizer use for sustainable agriculture: Advantages and limitations. <i>Plant Science</i> , 2019 , 289, 1102-70	3.9	167
247	Plant aging increases oxidative stress in chloroplasts. <i>Planta</i> , 2002 , 214, 608-15	4.7	149
246	Salicylic acid deficiency in NahG transgenic lines and sid2 mutants increases seed yield in the annual plant Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2009 , 60, 1261-71	7	143

245	Drought-induced changes in flavonoids and other low molecular weight antioxidants in <i>Cistus clusii</i> grown under Mediterranean field conditions. <i>Tree Physiology</i> , 2004 , 24, 1303-11	4.2	138
244	Enhanced Formation of alpha-Tocopherol and Highly Oxidized Abietane Diterpenes in Water-Stressed Rosemary Plants. <i>Plant Physiology</i> , 1999 , 121, 1047-1052	6.6	133
243	Early effects of salt stress on the physiological and oxidative status of <i>Cakile maritima</i> (halophyte) and <i>Arabidopsis thaliana</i> (glycophyte). <i>Physiologia Plantarum</i> , 2011 , 142, 128-43	4.6	130
242	Drought-induced changes in the redox state of alpha-tocopherol, ascorbate, and the diterpene carnosic acid in chloroplasts of Labiatae species differing in carnosic acid contents. <i>Plant Physiology</i> , 2003 , 131, 1816-25	6.6	128
241	Transcription Factor ATAF1 in <i>Arabidopsis</i> Promotes Senescence by Direct Regulation of Key Chloroplast Maintenance and Senescence Transcriptional Cascades. <i>Plant Physiology</i> , 2015 , 168, 1122-39	6.6	127
240	Linking isoprene with plant thermotolerance, antioxidants and monoterpene emissions. <i>Plant, Cell and Environment</i> , 2005 , 28, 278-286	8.4	124
239	Drought-induced senescence is characterized by a loss of antioxidant defences in chloroplasts. <i>Plant, Cell and Environment</i> , 2001 , 24, 1319-1327	8.4	120
238	Diurnal variations of photosynthesis and dew absorption by leaves in two evergreen shrubs growing in Mediterranean field conditions. <i>New Phytologist</i> , 1999 , 144, 109-119	9.8	119
237	Do perennials really senesce?. <i>Trends in Plant Science</i> , 2008 , 13, 216-20	13.1	111
236	Drought-induced oxidative stress in strawberry tree (<i>Arbutus unedo</i> L.) growing in Mediterranean field conditions. <i>Plant Science</i> , 2004 , 166, 1105-1110	5.3	109
235	Photo-oxidative stress markers as a measure of abiotic stress-induced leaf senescence: advantages and limitations. <i>Journal of Experimental Botany</i> , 2014 , 65, 3845-57	7	106
234	Malondialdehyde: Facts and Artifacts. <i>Plant Physiology</i> , 2019 , 180, 1246-1250	6.6	103
233	Leaf reflectance and photo- and antioxidant protection in field-grown summer-stressed <i>Phillyrea angustifolia</i> . Optical signals of oxidative stress?. <i>New Phytologist</i> , 2004 , 162, 115-124	9.8	100
232	Heat or cold priming-induced cross-tolerance to abiotic stresses in plants: key regulators and possible mechanisms. <i>Protoplasma</i> , 2018 , 255, 399-412	3.4	98
231	Photo- and antioxidative protection during summer leaf senescence in <i>Pistacia lentiscus</i> L. grown under Mediterranean field conditions. <i>Annals of Botany</i> , 2003 , 92, 385-91	4.1	96
230	New insights into the function of tocopherols in plants. <i>Planta</i> , 2004 , 218, 323-6	4.7	94
229	Stress Memory and the Inevitable Effects of Drought: A Physiological Perspective. <i>Frontiers in Plant Science</i> , 2016 , 7, 143	6.2	92
228	Accumulation of β -rather than δ -tocopherol alters ethylene signaling gene expression in the <i>vte4</i> mutant of <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2011 , 52, 1389-400	4.9	86

227	Salicylic acid may be involved in the regulation of drought-induced leaf senescence in perennials: A case study in field-grown <i>Salvia officinalis</i> L. plants. <i>Environmental and Experimental Botany</i> , 2008 , 64, 105-112	5.9	84
226	Subcellular compartmentation of the diterpene carnosic acid and its derivatives in the leaves of rosemary. <i>Plant Physiology</i> , 2001 , 125, 1094-102	6.6	84
225	Sex-related differences in stress tolerance in dioecious plants: a critical appraisal in a physiological context. <i>Journal of Experimental Botany</i> , 2015 , 66, 6083-92	7	83
224	Enhanced oxidation of flavan-3-ols and proanthocyanidin accumulation in water-stressed tea plants. <i>Phytochemistry</i> , 2006 , 67, 1120-6	4	83
223	Production and Scavenging of Reactive Oxygen Species and Redox Signaling during Leaf and Flower Senescence: Similar But Different. <i>Plant Physiology</i> , 2016 , 171, 1560-8	6.6	83
222	Linking phosphorus availability with photo-oxidative stress in plants. <i>Journal of Experimental Botany</i> , 2015 , 66, 2889-900	7	82
221	Photo-oxidative stress in emerging and senescing leaves: a mirror image?. <i>Journal of Experimental Botany</i> , 2013 , 64, 3087-98	7	82
220	Alpha-tocopherol may influence cellular signaling by modulating jasmonic acid levels in plants. <i>Planta</i> , 2007 , 225, 681-91	4.7	82
219	A comparative study of the early osmotic, ionic, redox and hormonal signaling response in leaves and roots of two halophytes and a glycophyte to salinity. <i>Planta</i> , 2014 , 240, 1299-317	4.7	76
218	Redox regulation of water stress responses in field-grown plants. Role of hydrogen peroxide and ascorbate. <i>Plant Physiology and Biochemistry</i> , 2010 , 48, 351-8	5.4	76
217	Interplay between ascorbic acid and lipophilic antioxidant defences in chloroplasts of water-stressed <i>Arabidopsis</i> plants. <i>FEBS Letters</i> , 2002 , 524, 145-8	3.8	75
216	Physiological response of halophytes to multiple stresses. <i>Functional Plant Biology</i> , 2013 , 40, 883-896	2.7	70
215	Hydrogen peroxide is involved in the acclimation of the Mediterranean shrub, <i>Cistus albidus</i> L., to summer drought. <i>Journal of Experimental Botany</i> , 2009 , 60, 107-20	7	70
214	Phenolic compounds and vitamin antioxidants of caper (<i>Capparis spinosa</i>). <i>Plant Foods for Human Nutrition</i> , 2010 , 65, 260-5	3.9	68
213	Reversal of senescence by N resupply to N-starved <i>Arabidopsis thaliana</i> : transcriptomic and metabolomic consequences. <i>Journal of Experimental Botany</i> , 2014 , 65, 3975-92	7	67
212	Aging in Perennials. <i>Critical Reviews in Plant Sciences</i> , 2007 , 26, 123-138	5.6	67
211	Plastochromanol-8: fifty years of research. <i>Phytochemistry</i> , 2014 , 108, 9-16	4	63
210	Improving the Polyphenol Content of Tea. <i>Critical Reviews in Plant Sciences</i> , 2013 , 32, 192-215	5.6	62

209	Age-related changes in oxidative stress markers and abscisic acid levels in a drought-tolerant shrub, <i>Cistus clusii</i> grown under Mediterranean field conditions. <i>Planta</i> , 2007 , 225, 1039-49	4.7	62
208	Role of Dew on the Recovery of Water-Stressed <i>Melissa officinalis</i> L. Plants. <i>Journal of Plant Physiology</i> , 1999 , 154, 759-766	3.6	62
207	Enhanced ferredoxin-dependent cyclic electron flow around photosystem I and alpha-tocopherol quinone accumulation in water-stressed <i>ndhB</i> -inactivated tobacco mutants. <i>Planta</i> , 2005 , 222, 502-11	4.7	61
206	Photo-Oxidative Stress during Leaf, Flower and Fruit Development. <i>Plant Physiology</i> , 2018 , 176, 1004-1014	4.6	59
205	Vitamin E in Plants: Biosynthesis, Transport, and Function. <i>Trends in Plant Science</i> , 2019 , 24, 1040-1051	13.1	58
204	Airborne ethylene may alter antioxidant protection and reduce tolerance of holm oak to heat and drought stress. <i>Plant Physiology</i> , 2004 , 136, 2937-47; discussion 3002	6.6	58
203	Plant amino acid-derived vitamins: biosynthesis and function. <i>Amino Acids</i> , 2014 , 46, 809-24	3.5	57
202	Higher plasticity in ecophysiological traits enhances the performance and invasion success of <i>Taraxacum officinale</i> (dandelion) in alpine environments. <i>Biological Invasions</i> , 2012 , 14, 21-33	2.7	55
201	Hormonal cross-talk in plant development and stress responses. <i>Frontiers in Plant Science</i> , 2013 , 4, 529	6.2	54
200	Melatonin may exert a protective role against drought stress in maize. <i>Journal of Agronomy and Crop Science</i> , 2017 , 203, 286-294	3.9	53
199	Biosynthesis, Metabolism and Function of Auxin, Salicylic Acid and Melatonin in Climacteric and Non-climacteric Fruits. <i>Frontiers in Plant Science</i> , 2019 , 10, 136	6.2	53
198	Ecophysiology of invasive plants: osmotic adjustment and antioxidants. <i>Trends in Plant Science</i> , 2013 , 18, 660-6	13.1	53
197	The Function of Tocopherols and Tocotrienols in Plants		53
196	Enhanced photo- and antioxidative protection, and hydrogen peroxide accumulation in drought-stressed <i>Cistus clusii</i> and <i>Cistus albidus</i> plants. <i>Tree Physiology</i> , 2003 , 23, 1-12	4.2	52
195	An overview of plant-based natural biostimulants for sustainable horticulture with a particular focus on moringa leaf extracts. <i>Plant Science</i> , 2020 , 295, 110194	5.3	52
194	Physiological and molecular responses of the isoprenoid biosynthetic pathway in a drought-resistant Mediterranean shrub, <i>Cistus creticus</i> exposed to water deficit. <i>Journal of Plant Physiology</i> , 2009 , 166, 136-45	3.6	51
193	Diterpenes and antioxidative protection in drought-stressed <i>Salvia officinalis</i> plants. <i>Journal of Plant Physiology</i> , 2001 , 158, 1431-1437	3.6	51
192	Sucrose accelerates flower opening and delays senescence through a hormonal effect in cut lily flowers. <i>Plant Science</i> , 2012 , 188-189, 41-7	5.3	50

191	Salt-induced oxidative stress in rosemary plants: Damage or protection?. <i>Environmental and Experimental Botany</i> , 2011 , 71, 298-305	5.9	46
190	Phenolic diterpene and Tocopherol contents in leaf extracts of 60 <i>Salvia</i> species. <i>Journal of the Science of Food and Agriculture</i> , 2008 , 88, 2648-2653	4.3	44
189	Global gene flow releases invasive plants from environmental constraints on genetic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4218-4227	11.5	43
188	Photoprotection in water-stressed plants of durum wheat (<i>Triticum turgidum</i> var. durum): changes in chlorophyll fluorescence, spectral signature and photosynthetic pigments. <i>Functional Plant Biology</i> , 2002 , 29, 35-44	2.7	43
187	Alpha-tocopherol: a multifaceted molecule in plants. <i>Vitamins and Hormones</i> , 2007 , 76, 375-92	2.5	41
186	Redox signaling and stress tolerance in plants: a focus on vitamin E. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1340, 29-38	6.5	40
185	Grapevine Rootstocks Differentially Affect the Rate of Ripening and Modulate Auxin-Related Genes in Cabernet Sauvignon Berries. <i>Frontiers in Plant Science</i> , 2016 , 7, 69	6.2	40
184	Drought and cadmium may be as effective as salinity in conferring subsequent salt stress tolerance in <i>Cakile maritima</i> . <i>Planta</i> , 2013 , 237, 1311-23	4.7	39
183	Melatonin as an inhibitor of sweet cherries ripening in orchard trees. <i>Plant Physiology and Biochemistry</i> , 2019 , 140, 88-95	5.4	37
182	Hormonal changes during flower development in floral tissues of <i>Lilium</i> . <i>Planta</i> , 2012 , 236, 343-54	4.7	37
181	Linking tocopherols with cellular signaling in plants. <i>New Phytologist</i> , 2005 , 166, 363-6	9.8	37
180	Potentially immortal?. <i>New Phytologist</i> , 2010 , 187, 564-7	9.8	36
179	The timing of methyl jasmonate, hydrogen peroxide and ascorbate accumulation during water deficit and subsequent recovery in the Mediterranean shrub <i>Cistus albidus</i> L.. <i>Environmental and Experimental Botany</i> , 2010 , 69, 47-55	5.9	34
178	Evidence of Drought Stress Memory in the Facultative CAM, <i>Aptenia cordifolia</i> : Possible Role of Phytohormones. <i>PLoS ONE</i> , 2015 , 10, e0135391	3.7	34
177	Increased sensitivity to salt stress in tocopherol-deficient <i>Arabidopsis</i> mutants growing in a hydroponic system. <i>Plant Signaling and Behavior</i> , 2013 , 8, e23136	2.5	33
176	Control of macaw palm seed germination by the gibberellin/abscisic acid balance. <i>Plant Biology</i> , 2015 , 17, 990-6	3.7	32
175	Hormonal Effects of an Enzymatically Hydrolyzed Animal Protein-Based Biostimulant (Pepton) in Water-Stressed Tomato Plants. <i>Frontiers in Plant Science</i> , 2019 , 10, 758	6.2	32
174	Airborne limonene confers limited thermotolerance to <i>Quercus ilex</i> . <i>Physiologia Plantarum</i> , 2005 , 123, 40-48	4.6	32

173	The xanthophyll cycle is induced by light irrespective of water status in field-grown lavender (<i>Lavandula stoechas</i>) plants. <i>Physiologia Plantarum</i> , 2000 , 108, 147-151	4.6	32
172	Linking hormonal profiles with variations in sugar and anthocyanin contents during the natural development and ripening of sweet cherries. <i>New Biotechnology</i> , 2016 , 33, 824-833	6.4	32
171	Sex ratios in dioecious plants in the framework of global change. <i>Environmental and Experimental Botany</i> , 2015 , 109, 99-102	5.9	31
170	Cross-stress tolerance and stress memory in plants: An integrated view. <i>Environmental and Experimental Botany</i> , 2013 , 94, 1-2	5.9	31
169	Photo-oxidative stress markers reveal absence of physiological deterioration with ageing in <i>Borderea pyrenaica</i> , an extraordinarily long-lived herb. <i>Journal of Ecology</i> , 2013 , 101, 555-565	6	31
168	The formation of phenolic diterpenes in <i>Rosmarinus officinalis</i> L. under Mediterranean climate. <i>European Food Research and Technology</i> , 2000 , 210, 263-267	3.4	31
167	Tissue-specific hormonal profiling during dormancy release in macaw palm seeds. <i>Physiologia Plantarum</i> , 2015 , 153, 627-42	4.6	30
166	Oxidative Stress: A Master Regulator of Plant Trade-Offs?. <i>Trends in Plant Science</i> , 2016 , 21, 996-999	13.1	30
165	Tocopherol composition in flower organs of <i>Lilium</i> and its variations during natural and artificial senescence. <i>Plant Science</i> , 2010 , 179, 289-295	5.3	30
164	Implication of Abscisic Acid on Ripening and Quality in Sweet Cherries: Differential Effects during Pre- and Post-harvest. <i>Frontiers in Plant Science</i> , 2016 , 7, 602	6.2	30
163	Enhanced oxidative stress in the ethylene-insensitive (<i>ein3-1</i>) mutant of <i>Arabidopsis thaliana</i> exposed to salt stress. <i>Journal of Plant Physiology</i> , 2012 , 169, 360-8	3.6	29
162	Senescence: Is It Universal or Not?. <i>Trends in Plant Science</i> , 2015 , 20, 713-720	13.1	27
161	Kinetin applications alleviate salt stress and improve the antioxidant composition of leaf extracts in <i>Salvia officinalis</i> . <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 1165-76	5.4	27
160	FATTY ACIDS, TOCOPHEROLS AND CAROTENOIDS FROM SEEDS OF TUNISIAN CAPER (<i>CAPPARIS SPINOSA</i>) <i>Journal of Food Lipids</i> , 2009 , 16, 452-464		27
159	Enhanced alpha-tocopherol quinone levels and xanthophyll cycle de-epoxidation in rosemary plants exposed to water deficit during a Mediterranean winter. <i>Journal of Plant Physiology</i> , 2006 , 163, 601-6	3.6	27
158	Canopy position determines the photoprotective demand and antioxidant protection of leaves in salt-stressed <i>Salvia officinalis</i> L. plants. <i>Environmental and Experimental Botany</i> , 2012 , 78, 146-156	5.9	26
157	A comparative study of the hormonal response to high temperatures and stress reiteration in three Labiatae species. <i>Environmental and Experimental Botany</i> , 2013 , 94, 57-65	5.9	26
156	Ethylene signaling may be involved in the regulation of tocopherol biosynthesis in <i>Arabidopsis thaliana</i> . <i>FEBS Letters</i> , 2009 , 583, 992-6	3.8	26

155	Sustained accumulation of methyl salicylate alters antioxidant protection and reduces tolerance of holm oak to heat stress. <i>Physiologia Plantarum</i> , 2005 , 124, 353-361	4.6	25
154	Hormonal impact on photosynthesis and photoprotection in plants. <i>Plant Physiology</i> , 2021 , 185, 1500-1508	4.6	25
153	Vitamin E analyses in seeds reveal a dominant presence of tocotrienols over tocopherols in the Arecaceae family. <i>Phytochemistry</i> , 2013 , 95, 207-14	4	24
152	The Ascorbate-deficient vtc-1 Arabidopsis Mutant Shows Altered ABA Accumulation in Leaves and Chloroplasts. <i>Journal of Plant Growth Regulation</i> , 2006 , 25, 137-144	4.7	24
151	Adaptation to altitude affects the senescence response to chilling in the perennial plant <i>Arabis alpina</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 355-67	7	23
150	No signs of meristem senescence in old Scots pine. <i>Journal of Ecology</i> , 2014 , 102, 555-565	6	23
149	Glutathione and transpiration as key factors conditioning oxidative stress in <i>Arabidopsis thaliana</i> exposed to uranium. <i>Planta</i> , 2014 , 239, 817-30	4.7	23
148	Daily time course of whole-shoot gas exchange rates in two drought-exposed Mediterranean shrubs. <i>Tree Physiology</i> , 2001 , 21, 51-8	4.2	23
147	Limits to Tree Growth and Longevity. <i>Trends in Plant Science</i> , 2018 , 23, 985-993	13.1	22
146	Functional interplay between protein kinase CK2 and salicylic acid sustains PIN transcriptional expression and root development. <i>Plant Journal</i> , 2014 , 78, 411-23	6.9	22
145	Accumulation of mangiferin, isomangiferin, iriflophenone-3-C- β -glucoside and hesperidin in honeybush leaves (<i>Cyclopia genistoides</i> Vent.) in response to harvest time, harvest interval and seed source. <i>Industrial Crops and Products</i> , 2014 , 56, 74-82	5.9	21
144	Antioxidant and photoprotective defenses in response to gradual water stress under low and high irradiance in two Malvaceae tree species used for tropical forest restoration. <i>Trees - Structure and Function</i> , 2014 , 28, 1705-1722	2.6	21
143	Perennially young: seed production and quality in controlled and natural populations of <i>Cistus albidus</i> reveal compensatory mechanisms that prevent senescence in terms of seed yield and viability. <i>Journal of Experimental Botany</i> , 2014 , 65, 287-97	7	21
142	Sex-related differences in lipid peroxidation and photoprotection in <i>Pistacia lentiscus</i> . <i>Journal of Experimental Botany</i> , 2014 , 65, 1039-49	7	21
141	Contrasting phenotypic plasticity in the photoprotective strategies of the invasive species <i>Carpobrotus edulis</i> and the coexisting native species <i>Crithmum maritimum</i> . <i>Physiologia Plantarum</i> , 2017 , 160, 185-200	4.6	20
140	Tocopherol deficiency reduces sucrose export from salt-stressed potato leaves independently of oxidative stress and symplastic obstruction by callose. <i>Journal of Experimental Botany</i> , 2015 , 66, 957-71	7	20
139	Diurnal changes in photosystem II photochemistry, photoprotective compounds and stress-related phytohormones in the CAM plant, <i>Aptenia cordifolia</i> . <i>Plant Science</i> , 2009 , 177, 404-410	5.3	20
138	Influence of plant maturity, shoot reproduction and sex on vegetative growth in the dioecious plant <i>Urtica dioica</i> . <i>Annals of Botany</i> , 2009 , 104, 945-56	4.1	20

137	Influence of ionic interactions on essential oil and phenolic diterpene composition of Dalmatian sage (<i>Salvia officinalis</i> L.). <i>Plant Physiology and Biochemistry</i> , 2010 , 48, 813-21	5.4	20
136	Abscisic acid and transpiration rate are involved in the response to boron toxicity in Arabidopsis plants. <i>Physiologia Plantarum</i> , 2017 , 160, 21-32	4.6	19
135	An altered tocopherol composition in chloroplasts reduces plant resistance to <i>Botrytis cinerea</i> . <i>Plant Physiology and Biochemistry</i> , 2018 , 127, 200-210	5.4	19
134	Common and distinct responses in phytohormone and vitamin E changes during seed burial and dormancy in <i>Xyris bialata</i> and <i>X. peregrina</i> . <i>Plant Biology</i> , 2012 , 14, 347-53	3.7	19
133	PHENOLIC COMPOUNDS, TOCOPHEROLS, CAROTENOIDS AND VITAMIN C OF COMMERCIAL CAPER. <i>Journal of Food Biochemistry</i> , 2011 , 35, 472-483	3.3	19
132	A defect in BRI1-EMS-SUPPRESSOR 1 (<i>bes1</i>)-mediated brassinosteroid signaling increases photoinhibition and photo-oxidative stress during heat stress in Arabidopsis. <i>Plant Science</i> , 2020 , 296, 110470	5.3	18
131	Physiological and antioxidant responses of <i>Quercus ilex</i> to drought in two different seasons. <i>Plant Biosystems</i> , 2014 , 148, 268-278	1.6	18
130	Meristem aging is not responsible for age-related changes in growth and abscisic acid levels in the Mediterranean shrub, <i>Cistus clusii</i> . <i>Plant Biology</i> , 2008 , 10 Suppl 1, 148-55	3.7	18
129	Ecophysiological response to seasonal variations in water availability in the arborescent, endemic plant <i>Vellozia gigantea</i> . <i>Tree Physiology</i> , 2015 , 35, 253-65	4.2	17
128	Adaptation of the Long-Lived Monocarpic Perennial <i>Saxifraga longifolia</i> to High Altitude. <i>Plant Physiology</i> , 2016 , 172, 765-775	6.6	17
127	Perennial roots to immortality. <i>Plant Physiology</i> , 2014 , 166, 720-5	6.6	17
126	Plant age-related changes in cytokinins, leaf growth and pigment accumulation in juvenile mastig trees. <i>Environmental and Experimental Botany</i> , 2013 , 87, 10-18	5.9	17
125	Acceleration of leaf senescence is slowed down in transgenic barley plants deficient in the DNA/RNA-binding protein WHIRLY1. <i>Journal of Experimental Botany</i> , 2017 , 68, 983-996	7	17
124	Ionic interactions and salinity affect monoterpene and phenolic diterpene composition in rosemary (<i>Rosmarinus officinalis</i>). <i>Journal of Plant Nutrition and Soil Science</i> , 2011 , 174, 504-514	2.3	17
123	Direct foliar absorption of rainfall water and its biological significance in dryland ecosystems. <i>Journal of Arid Environments</i> , 2010 , 74, 417-418	2.5	17
122	A deficiency in salicylic acid alters isoprenoid accumulation in water-stressed NahG transgenic Arabidopsis plants. <i>Plant Science</i> , 2007 , 172, 756-762	5.3	17
121	Effect of drought and high solar radiation on 1-aminocyclopropane-1-carboxylic acid and abscisic acid concentrations in <i>Rosmarinus officinalis</i> plants. <i>Physiologia Plantarum</i> , 2002 , 114, 380-386	4.6	17
120	Death and Plasticity in Clones Influence Invasion Success. <i>Trends in Plant Science</i> , 2016 , 21, 551-553	13.1	16

119	Abscisic acid and pyrabactin improve vitamin C contents in raspberries. <i>Food Chemistry</i> , 2016 , 203, 216-283		16
118	Changes in phytohormones and oxidative stress markers in buried seeds of <i>Vellozia alata</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2011 , 206, 704-711	1.9	16
117	Plant aging and excess light enhance flavan-3-ol content in <i>Cistus clusii</i> . <i>Journal of Plant Physiology</i> , 2011 , 168, 96-102	3.6	16
116	The <i>aba3-1</i> Mutant of <i>Arabidopsis thaliana</i> Withstands Moderate Doses of Salt Stress by Modulating Leaf Growth and Salicylic Acid Levels. <i>Journal of Plant Growth Regulation</i> , 2011 , 30, 456-466	4.7	16
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