

# Sergi Munne Bosch

## List of Publications by Year in Descending Order

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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	Differential physiological response to heat and cold stress of tomato plants and its implication on fruit quality.. <i>Journal of Plant Physiology</i> , <b>2022</b> , 268, 153581	3.6	2
261	Vitamin E protects from lipid peroxidation during winter stress in the seagrass <i>Cymodocea nodosa</i> .. <i>Planta</i> , <b>2022</b> , 255, 41	4.7	2
260	Application of a Biostimulant (Pepton) Based in Enzymatic Hydrolyzed Animal Protein Combined With Low Nitrogen Priming Boosts Fruit Production Without Negatively Affecting Quality in Greenhouse-Grown Tomatoes.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 828267	6.2	1
259	Ethylene and abscisic acid play a key role in modulating apple ripening after harvest and after cold-storage. <i>Postharvest Biology and Technology</i> , <b>2022</b> , 188, 111902	6.2	1
258	Quality determination of avocado fruit immersed in a pyridoxal 5?-phosphate solution. <i>Journal of Food Composition and Analysis</i> , <b>2022</b> , 110, 104526	4.1	0
257	Melatonin triggers tissue-specific changes in anthocyanin and hormonal contents during postharvest decay of Angeleno plums. <i>Plant Science</i> , <b>2022</b> , 111287	5.3	0
256	Mixing fruits in ready-to-eat packaging leads to physiological changes that modify quality attributes and antioxidant composition. <i>Food Control</i> , <b>2022</b> , 109129	6.2	
255	Spatiotemporal limitations in plant biology research. <i>Trends in Plant Science</i> , <b>2021</b> ,	13.1	1
254	Functional responses to climate change may increase invasive potential of <i>Carpobrotus edulis</i> . <i>American Journal of Botany</i> , <b>2021</b> , 108, 1902-1916	2.7	1
253	β-Carotene biofortification of chia sprouts with plant growth regulators. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 168, 398-409	5.4	1
252	English plantain deploys stress tolerance mechanisms at various organization levels across an altitudinal gradient in the Pyrenees. <i>Physiologia Plantarum</i> , <b>2021</b> , 173, 2350-2360	4.6	
251	The threshold between life and death in <i>Cistus albidus</i> L. seedlings: mechanisms underlying drought tolerance and resilience. <i>Tree Physiology</i> , <b>2021</b> , 41, 1861-1876	4.2	2
250	Abscisic acid applied to sweet cherry at fruit set increases amounts of cell wall and cuticular wax components at the ripe stage. <i>Scientia Horticulturae</i> , <b>2021</b> , 283, 110097	4.1	2
249	PbSRT1 and PbSRT2 regulate pear growth and ripening yet displaying a species-specific regulation in comparison to other Rosaceae spp. <i>Plant Science</i> , <b>2021</b> , 308, 110925	5.3	1
248	The <i>Arabidopsis thaliana</i> mRNA decay factor PAT1 functions in osmotic stress responses and decaps ABA-responsive genes. <i>FEBS Letters</i> , <b>2021</b> , 595, 253-263	3.8	3
247	Transient photoinhibition and photo-oxidative stress as an integral part of stress acclimation and plant development in a dioecious tree adapted to Mediterranean ecosystems. <i>Tree Physiology</i> , <b>2021</b> , 41, 1212-1229	4.2	0
246	Holoparasitic plant-host interactions and their impact on Mediterranean ecosystems. <i>Plant Physiology</i> , <b>2021</b> , 185, 1325-1338	6.6	2

245	Linking jasmonates with vitamin E accumulation in plants: a case study in the Mediterranean shrub <i>Cistus albidus</i> L. <i>Planta</i> , <b>2021</b> , 253, 36	4.7	4
244	Aging, stress, and senescence in plants: what can biological diversity teach us?. <i>GeroScience</i> , <b>2021</b> , 43, 167-180	8.9	4
243	Differential Tissue-Specific Jasmonic Acid, Salicylic Acid, and Abscisic Acid Dynamics in Sweet Cherry Development and Their Implications in Fruit-Microbe Interactions. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 640601	6.2	6
242	Tissue-Specific Hormonal Variations in Grapes of Irrigated and Non-irrigated Grapevines ( cv. "Merlot") Growing Under Mediterranean Field Conditions. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 621587	6.2	3
241	Geographic patterns of seed trait variation in an invasive species: how much can close populations differ?. <i>Oecologia</i> , <b>2021</b> , 196, 747-761	2.9	0
240	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. <i>Ecology Letters</i> , <b>2021</b> , 24, 2378-2393	10	2
239	Leaf size modulation by cytokinins in sesame plants. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 167, 763-774	7.4	0
238	Validity of photo-oxidative stress markers and stress-related phytohormones as predictive proxies of mortality risk in the perennial herb <i>Plantago lanceolata</i> . <i>Environmental and Experimental Botany</i> , <b>2021</b> , 191, 104598	5.9	2
237	Hormonal impact on photosynthesis and photoprotection in plants. <i>Plant Physiology</i> , <b>2021</b> , 185, 1500-1527	12.8	25
236	A Dual Role for Abscisic Acid Integrating the Cold Stress Response at the Whole-Plant Level in <i>L. Growing in a Natural Wetland..</i> <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 722525	6.2	1
235	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> , <b>2020</b> , 117, 4218-4227	11.5	43
234	Identification of a New Variety of Avocados ( <i>Persea Americana</i> Mill. CV. Bacon) with High Vitamin E and Impact of Cold Storage on Tocochromanols Composition. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	5
233	A rapid and sensitive method to assess seed longevity through accelerated aging in an invasive plant species. <i>Plant Methods</i> , <b>2020</b> , 16, 64	5.8	3
232	Linking integrative plant physiology with agronomy to sustain future plant production. <i>Environmental and Experimental Botany</i> , <b>2020</b> , 178, 104125	5.9	4
231	A defect in BRI1-EMS-SUPPRESSOR 1 (bes1)-mediated brassinosteroid signaling increases photoinhibition and photo-oxidative stress during heat stress in <i>Arabidopsis</i> . <i>Plant Science</i> , <b>2020</b> , 296, 110470	5.3	18
230	Differential accumulation of tocochromanols in photosynthetic and non-photosynthetic tissues of strawberry plants subjected to reiterated water deficit. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 155, 868-876	5.4	2
229	Hormonal interplay in the regulation of fruit ripening and cold acclimation in avocados. <i>Journal of Plant Physiology</i> , <b>2020</b> , 251, 153225	3.6	8
228	Strategies for severe drought survival and recovery in a Pyrenean relict species. <i>Physiologia Plantarum</i> , <b>2020</b> , 169, 276-290	4.6	0

227	Vitamin E in legume nodules: Occurrence and antioxidant function. <i>Phytochemistry</i> , <b>2020</b> , 172, 112261	4	5
226	Distribution, trade-offs and drought vulnerability of a high-mountain Pyrenean endemic plant species, <i>Saxifraga longifolia</i> . <i>Global Ecology and Conservation</i> , <b>2020</b> , 22, e00916	2.8	1
225	ABA and GA dynamic modulates secondary dormancy and germination in <i>Syngonanthus verticillatus</i> seeds. <i>Planta</i> , <b>2020</b> , 251, 86	4.7	6
224	Abscisic acid responses match the different patterns of autumn senescence in roots and leaves of <i>Iris versicolor</i> and <i>Sparganium emersum</i> . <i>Environmental and Experimental Botany</i> , <b>2020</b> , 176, 104097	5.9	1
223	Physiological seed dormancy increases at high altitude in Pyrenean saxifrage ( <i>Saxifraga longifolia</i> Lapeyr.). <i>Environmental and Experimental Botany</i> , <b>2020</b> , 171, 103929	5.9	5
222	Plasticity in the growth habit prolongs survival at no physiological cost in a monocarpic perennial at high altitudes. <i>Annals of Botany</i> , <b>2020</b> , 125, 413-421	4.1	2
221	Cell wall structure and composition is affected by light quality in tomato seedlings. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2020</b> , 203, 111745	6.7	6
220	Interplay between hormones and assimilates during pear development and ripening and its relationship with the fruit postharvest behaviour. <i>Plant Science</i> , <b>2020</b> , 291, 110339	5.3	13
219	Reproductive load modulates drought stress response but does not compromise recovery in an invasive plant during the Mediterranean summer. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 155, 221-230	5.4	
218	Abscisic Acid Connects Phytohormone Signaling with RNA Metabolic Pathways and Promotes an Antiviral Response that Is Evaded by a Self-Controlled RNA Virus. <i>Plant Communications</i> , <b>2020</b> , 1,	9	15
217	Foliar Paclobutrazol Application Suppresses Olive Tree Growth While Promoting Fruit Set. <i>Journal of Plant Growth Regulation</i> , <b>2020</b> , 39, 1638-1646	4.7	4
216	Oxylipins in plastidial retrograde signaling. <i>Redox Biology</i> , <b>2020</b> , 37, 101717	11.3	11
215	An Enzymatically Hydrolyzed Animal Protein-Based Biostimulant (Pepton) Increases Salicylic Acid and Promotes Growth of Tomato Roots Under Temperature and Nutrient Stress. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 953	6.2	14
214	Long-Lived Trees Are Not Immortal. <i>Trends in Plant Science</i> , <b>2020</b> , 25, 846-849	13.1	4
213	Linking Leaf Water Potential, Photosynthesis and Chlorophyll Loss With Mechanisms of Photo- and Antioxidant Protection in Juvenile Olive Trees Subjected to Severe Drought. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 614144	6.2	3
212	An overview of plant-based natural biostimulants for sustainable horticulture with a particular focus on moringa leaf extracts. <i>Plant Science</i> , <b>2020</b> , 295, 110194	5.3	52
211	Interactions between sucrose and jasmonate signalling in the response to cold stress. <i>BMC Plant Biology</i> , <b>2020</b> , 20, 176	5.3	9
210	Nanofertilizer use for sustainable agriculture: Advantages and limitations. <i>Plant Science</i> , <b>2019</b> , 289, 110270	5.9	167

209	Distinctive phytohormonal and metabolic profiles of <i>Arabidopsis thaliana</i> and <i>Eutrema salsugineum</i> under similar soil drying. <i>Planta</i> , <b>2019</b> , 249, 1417-1433	4.7	4
208	Leaf Orientation as Part of the Leaf Developmental Program in the Semi-Deciduous Shrub, L.: Diurnal, Positional, and Photoprotective Effects During Winter. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 767	6.2	2
207	Physiological Mechanisms Underlying Fruit Sunburn. <i>Critical Reviews in Plant Sciences</i> , <b>2019</b> , 38, 140-157	5.6	7
206	Melatonin as an inhibitor of sweet cherries ripening in orchard trees. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 140, 88-95	5.4	37
205	Inter-individual and sun orientation driven variability reveals antagonistic salicylate and jasmonate accumulation in white-leaved rockrose. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 162, 115-124	5.9	3
204	Vitamin E Function in Stress Sensing and Signaling in Plants. <i>Developmental Cell</i> , <b>2019</b> , 48, 290-292	10.2	15
203	Biosynthesis, Metabolism and Function of Auxin, Salicylic Acid and Melatonin in Climacteric and Non-climacteric Fruits. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 136	6.2	53
202	Contrasting patterns of hormonal and photoprotective isoprenoids in response to stress in <i>Cistus albidus</i> during a Mediterranean winter. <i>Planta</i> , <b>2019</b> , 250, 1409-1422	4.7	3
201	Hormonal Effects of an Enzymatically Hydrolyzed Animal Protein-Based Biostimulant (Pepton) in Water-Stressed Tomato Plants. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 758	6.2	32
200	Malondialdehyde: Facts and Artifacts. <i>Plant Physiology</i> , <b>2019</b> , 180, 1246-1250	6.6	103
199	Physiological, Hormonal and Metabolic Responses of two Alfalfa Cultivars with Contrasting Responses to Drought. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	10
198	Vitamin E in Plants: Biosynthesis, Transport, and Function. <i>Trends in Plant Science</i> , <b>2019</b> , 24, 1040-1051	13.1	58
197	Increased chilling tolerance of the invasive species may explain its expansion across new territories <b>2019</b> , 7, coz075		1
196	Hormonal Profiling Reveals a Hormonal Cross-Talk During Fruit Decay in Sweet Cherries. <i>Journal of Plant Growth Regulation</i> , <b>2019</b> , 38, 431-437	4.7	7
195	Linking jasmonates with pigment accumulation and photoprotection in a high-mountain endemic plant, <i>Saxifraga longifolia</i> . <i>Environmental and Experimental Botany</i> , <b>2018</b> , 154, 56-65	5.9	11
194	Reprint to: Phosphate starvation during the transition phase increases the sex ratio and 12-oxo-phytodienoic acid contents in females of <i>Urtica dioica</i> . <i>Environmental and Experimental Botany</i> , <b>2018</b> , 146, 45-53	5.9	2
193	Photoinhibition and photoprotection during flower opening in lilies. <i>Plant Science</i> , <b>2018</b> , 272, 220-229	5.3	11
192	An altered tocopherol composition in chloroplasts reduces plant resistance to <i>Botrytis cinerea</i> . <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 127, 200-210	5.4	19

191	ABA signalling manipulation suppresses senescence of a leafy vegetable stored at room temperature. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 530-544	11.6	10
190	Photo-Oxidative Stress during Leaf, Flower and Fruit Development. <i>Plant Physiology</i> , <b>2018</b> , 176, 1004-1014	4.4	59
189	Phosphate starvation during the transition phase increases the sex ratio and 12-oxo-phytodienoic acid contents in females of <i>Urtica dioica</i> . <i>Environmental and Experimental Botany</i> , <b>2018</b> , 145, 39-46	5.9	6
188	Ethylene signaling cross-talk with other hormones in <i>Arabidopsis thaliana</i> exposed to contrasting phosphate availability: Differential effects in roots, leaves and fruits. <i>Journal of Plant Physiology</i> , <b>2018</b> , 226, 114-122	3.6	6
187	Photoprotection and Photo-Oxidative Stress Markers As Useful Tools to Unravel Plant Invasion Success <b>2018</b> , 153-175		2
186	Transcriptional Regulation of Vitamin E Biosynthesis during Germination of Dwarf Fan Palm Seeds. <i>Plant and Cell Physiology</i> , <b>2018</b> , 59, 2490-2501	4.9	6
185	Limits to Tree Growth and Longevity. <i>Trends in Plant Science</i> , <b>2018</b> , 23, 985-993	13.1	22
184	Heat or cold priming-induced cross-tolerance to abiotic stresses in plants: key regulators and possible mechanisms. <i>Protoplasma</i> , <b>2018</b> , 255, 399-412	3.4	98
183	MaMADS2 repression in banana fruits modifies hormone synthesis and signalling pathways prior to climacteric stage. <i>BMC Plant Biology</i> , <b>2018</b> , 18, 267	5.3	4
182	What Is the Minimal Optimal Sample Size for Plant Ecophysiological Studies?. <i>Plant Physiology</i> , <b>2018</b> , 178, 953-955	6.6	3
181	Plasticity in the hormonal response to cold stress in the invasive plant <i>Carpobrotus edulis</i> . <i>Journal of Plant Physiology</i> , <b>2018</b> , 231, 202-209	3.6	7
180	Haustorium-endosperm relationships and the integration between developmental pathways during reserve mobilization in <i>Butia capitata</i> (Arecaceae) seeds. <i>Annals of Botany</i> , <b>2018</b> , 122, 267-277	4.1	13
179	Enhanced plastochromanol-8 accumulation during reiterated drought in maize ( <i>Zea mays</i> L.). <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 112, 283-289	5.4	9
178	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> , <b>2017</b> , 160, 185-200	4.6	20
177	Melatonin may exert a protective role against drought stress in maize. <i>Journal of Agronomy and Crop Science</i> , <b>2017</b> , 203, 286-294	3.9	53
176	Free Radicals, Oxidative Stress and Antioxidants <b>2017</b> , 16-19		8
175	Hormonal profile and the role of cell expansion in the germination control of Cerrado biome palm seeds. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 118, 168-177	5.4	14
174	Abscisic acid and transpiration rate are involved in the response to boron toxicity in <i>Arabidopsis</i> plants. <i>Physiologia Plantarum</i> , <b>2017</b> , 160, 21-32	4.6	19

173	Marked differences in seed dormancy in two populations of the Mediterranean shrub, <i>Cistus albidus</i> L.. <i>Plant Ecology and Diversity</i> , <b>2017</b> , 10, 231-240	2.2	9
172	Hormonal Sensitivity Decreases During the Progression of Flower Senescence in <i>Lilium longiflorum</i> . <i>Journal of Plant Growth Regulation</i> , <b>2017</b> , 36, 402-412	4.7	5
171	Drought stress memory in the photosynthetic mechanisms of an invasive CAM species, <i>Aptenia cordifolia</i> . <i>Photosynthesis Research</i> , <b>2017</b> , 131, 241-253	3.7	13
170	Abscisic acid regulates seed germination of <i>Vellozia</i> species in response to temperature. <i>Plant Biology</i> , <b>2017</b> , 19, 211-216	3.7	15
169	Defense-Related Transcriptional Reprogramming in Vitamin E-Deficient Arabidopsis Mutants Exposed to Contrasting Phosphate Availability. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1396	6.2	11
168	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> , <b>2017</b> , 68, 983-996	7	17
167	Hormone Profiling in Plant Tissues. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1497, 249-258	1.4	3
166	Redox and hormone profiling of a <i>Nicotiana tabacum</i> dedifferentiated protoplast culture suggests a role for a cytokinin and gibberellin in plant totipotency. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2016</b> , 124, 295-306	2.7	7
165	Adaptation of the Long-Lived Monocarpic Perennial <i>Saxifraga longifolia</i> to High Altitude. <i>Plant Physiology</i> , <b>2016</b> , 172, 765-775	6.6	17
164	Oxidative Stress: A Master Regulator of Plant Trade-Offs?. <i>Trends in Plant Science</i> , <b>2016</b> , 21, 996-999	13.1	30
163	Flower senescence and other programmed cell death processes in plants: a tribute to the late Wouter G. van Doorn. <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 5885-5886	7	1
162	Interspecific variation in vitamin E levels and the extent of lipid peroxidation in pioneer and non-pioneer species used in tropical forest restoration. <i>Tree Physiology</i> , <b>2016</b> , 36, 1151-61	4.2	1
161	Death and Plasticity in Clones Influence Invasion Success. <i>Trends in Plant Science</i> , <b>2016</b> , 21, 551-553	13.1	16
160	Sex-related differences in photoinhibition, photo-oxidative stress and photoprotection in stinging nettle ( <i>Urtica dioica</i> L.) exposed to drought and nutrient deficiency. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2016</b> , 156, 22-8	6.7	8
159	Abscisic acid and pyrabactin improve vitamin C contents in raspberries. <i>Food Chemistry</i> , <b>2016</b> , 203, 216-283		16
158	Grapevine Rootstocks Differentially Affect the Rate of Ripening and Modulate Auxin-Related Genes in Cabernet Sauvignon Berries. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 69	6.2	40
157	Stress Memory and the Inevitable Effects of Drought: A Physiological Perspective. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 143	6.2	92
156	Implication of Abscisic Acid on Ripening and Quality in Sweet Cherries: Differential Effects during Pre- and Post-harvest. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 602	6.2	30

155	Seasonal, Sex- and Plant Size-Related Effects on Photoinhibition and Photoprotection in the Dioecious Mediterranean Dwarf Palm, <i>Chamaerops humilis</i> . <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1116	6.2	9
154	Production and Scavenging of Reactive Oxygen Species and Redox Signaling during Leaf and Flower Senescence: Similar But Different. <i>Plant Physiology</i> , <b>2016</b> , 171, 1560-8	6.6	83
153	Linking hormonal profiles with variations in sugar and anthocyanin contents during the natural development and ripening of sweet cherries. <i>New Biotechnology</i> , <b>2016</b> , 33, 824-833	6.4	32
152	Redox signaling and stress tolerance in plants: a focus on vitamin E. <i>Annals of the New York Academy of Sciences</i> , <b>2015</b> , 1340, 29-38	6.5	40
151	Auxin involvement in tepal senescence and abscission in <i>Lilium</i> : a tale of two lilies. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 945-56	7	13
150	Enhanced tocopherol levels during early germination events in <i>Chamaerops humilis</i> var. <i>humilis</i> seeds. <i>Phytochemistry</i> , <b>2015</b> , 118, 1-8	4	5
149	Sex-related differences in stress tolerance in dioecious plants: a critical appraisal in a physiological context. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 6083-92	7	83
148	Interplay between vitamin E and phosphorus availability in the control of longevity in <i>Arabidopsis thaliana</i> . <i>Annals of Botany</i> , <b>2015</b> , 116, 511-8	4.1	9
147	Ecophysiological response to seasonal variations in water availability in the arborescent, endemic plant <i>Vellozia gigantea</i> . <i>Tree Physiology</i> , <b>2015</b> , 35, 253-65	4.2	17
146	Adaptation to altitude affects the senescence response to chilling in the perennial plant <i>Arabis alpina</i> . <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 355-67	7	23
145	Linking phosphorus availability with photo-oxidative stress in plants. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 2889-900	7	82
144	Control of macaw palm seed germination by the gibberellin/abscisic acid balance. <i>Plant Biology</i> , <b>2015</b> , 17, 990-6	3.7	32
143	Zeatin modulates flower bud development and tocopherol levels in <i>Cistus albidus</i> (L.) plants as they age. <i>Plant Biology</i> , <b>2015</b> , 17, 90-6	3.7	3
142	Secret of long life lies underground. <i>New Phytologist</i> , <b>2015</b> , 205, 463-7	9.8	9
141	Senescence: Is It Universal or Not?. <i>Trends in Plant Science</i> , <b>2015</b> , 20, 713-720	13.1	27
140	Ethylene Response Factors: A Key Regulatory Hub in Hormone and Stress Signaling. <i>Plant Physiology</i> , <b>2015</b> , 169, 32-41	6.6	344
139	Bud vigor, budburst lipid peroxidation, and hormonal changes during bud development in healthy and moribund beech ( <i>Fagus sylvatica</i> L.) trees. <i>Trees - Structure and Function</i> , <b>2015</b> , 29, 1781-1790	2.6	12
138	Tissue-specific hormonal profiling during dormancy release in macaw palm seeds. <i>Physiologia Plantarum</i> , <b>2015</b> , 153, 627-42	4.6	30



137	Sex ratios in dioecious plants in the framework of global change. <i>Environmental and Experimental Botany</i> , <b>2015</b> , 109, 99-102	5.9	31
136	Transcription Factor ATAF1 in Arabidopsis Promotes Senescence by Direct Regulation of Key Chloroplast Maintenance and Senescence Transcriptional Cascades. <i>Plant Physiology</i> , <b>2015</b> , 168, 1122-39	6.6	127
135	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> , <b>2015</b> , 66, 957-71	7	20
134	Evidence of Drought Stress Memory in the Facultative CAM, <i>Aptenia cordifolia</i> : Possible Role of Phytohormones. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135391	3.7	34
133	Application of a Rapid and Sensitive Method for Hormonal and Vitamin E Profiling Reveals Crucial Regulatory Mechanisms in Flower Senescence and Fruit Ripening. <i>Journal of Plant Growth Regulation</i> , <b>2014</b> , 33, 34-43	4.7	7
132	Functional interplay between protein kinase CK2 and salicylic acid sustains PIN transcriptional expression and root development. <i>Plant Journal</i> , <b>2014</b> , 78, 411-23	6.9	22
131	Perennial roots to immortality. <i>Plant Physiology</i> , <b>2014</b> , 166, 720-5	6.6	17
130	No signs of meristem senescence in old Scots pine. <i>Journal of Ecology</i> , <b>2014</b> , 102, 555-565	6	23
129	Physiological and antioxidant responses of <i>Quercus ilex</i> to drought in two different seasons. <i>Plant Biosystems</i> , <b>2014</b> , 148, 268-278	1.6	18
128	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> , <b>2014</b> , 240, 1299-317	4.7	76
127	Plastochromanol-8: fifty years of research. <i>Phytochemistry</i> , <b>2014</b> , 108, 9-16	4	63
126	Tocotrienols in <i>Vellozia gigantea</i> leaves: occurrence and modulation by seasonal and plant size effects. <i>Planta</i> , <b>2014</b> , 240, 437-46	4.7	11
125	Vitamin E and defense-related phytohormones are reliable markers of embryo growth in macaw palm fruits exposed to various storage conditions. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2014</b> , 118, 203-213	2.7	8
124	Plant hormones increase efficiency of reprogramming mouse somatic cells to induced pluripotent stem cells and reduce tumorigenicity. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 586-93	4.4	7
123	Accumulation of mangiferin, isomangiferin, iriflophenone-3-C- $\beta$ -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> , <b>2014</b> , 56, 74-82	5.9	21
122	Plant amino acid-derived vitamins: biosynthesis and function. <i>Amino Acids</i> , <b>2014</b> , 46, 809-24	3.5	57
121	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> , <b>2014</b> , 28, 1705-1722	2.6	21
120	Reversal of senescence by N resupply to N-starved <i>Arabidopsis thaliana</i> : transcriptomic and metabolomic consequences. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 3975-92	7	67

119	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> , <b>2014</b> , 65, 287-97	7	21
118	Sex-related differences in lipid peroxidation and photoprotection in <i>Pistacia lentiscus</i> . <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 1039-49	7	21
117	Glutathione and transpiration as key factors conditioning oxidative stress in <i>Arabidopsis thaliana</i> exposed to uranium. <i>Planta</i> , <b>2014</b> , 239, 817-30	4.7	23
116	Photo-oxidative stress markers as a measure of abiotic stress-induced leaf senescence: advantages and limitations. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 3845-57	7	106
115	Physiological response of halophytes to multiple stresses. <i>Functional Plant Biology</i> , <b>2013</b> , 40, 883-896	2.7	70
114	Ecophysiology of invasive plants: osmotic adjustment and antioxidants. <i>Trends in Plant Science</i> , <b>2013</b> , 18, 660-6	13.1	53
113	Vitamin E analyses in seeds reveal a dominant presence of tocotrienols over tocopherols in the <i>Arecaceae</i> family. <i>Phytochemistry</i> , <b>2013</b> , 95, 207-14	4	24
112	Increased sensitivity to salt stress in tocopherol-deficient <i>Arabidopsis</i> mutants growing in a hydroponic system. <i>Plant Signaling and Behavior</i> , <b>2013</b> , 8, e23136	2.5	33
111	Plant age-related changes in cytokinins, leaf growth and pigment accumulation in juvenile mastic trees. <i>Environmental and Experimental Botany</i> , <b>2013</b> , 87, 10-18	5.9	17
110	Photo-oxidative stress in emerging and senescing leaves: a mirror image?. <i>Journal of Experimental Botany</i> , <b>2013</b> , 64, 3087-98	7	82
109	A comparative study of the hormonal response to high temperatures and stress reiteration in three <i>Labiatae</i> species. <i>Environmental and Experimental Botany</i> , <b>2013</b> , 94, 57-65	5.9	26
108	Improving the Polyphenol Content of Tea. <i>Critical Reviews in Plant Sciences</i> , <b>2013</b> , 32, 192-215	5.6	62
107	Salicylic Acid Biosynthesis and Role in Modulating Terpenoid and Flavonoid Metabolism in Plant Responses to Abiotic Stress <b>2013</b> , 141-162		12
106	Cross-stress tolerance and stress memory in plants: An integrated view. <i>Environmental and Experimental Botany</i> , <b>2013</b> , 94, 1-2	5.9	31
105	Drought and cadmium may be as effective as salinity in conferring subsequent salt stress tolerance in <i>Cakile maritima</i> . <i>Planta</i> , <b>2013</b> , 237, 1311-23	4.7	39
104	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> , <b>2013</b> , 101, 555-565	6	31
103	Hormonal cross-talk in plant development and stress responses. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 529	6.2	54
102	The impact of global change factors on redox signaling underpinning stress tolerance. <i>Plant Physiology</i> , <b>2013</b> , 161, 5-19	6.6	227

101	Plastid Signaling During the Plant Life Cycle. <i>Advances in Photosynthesis and Respiration</i> , <b>2013</b> , 503-528	1.7	7
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95	Hormonal changes during flower development in floral tissues of <i>Lilium</i> . <i>Planta</i> , <b>2012</b> , 236, 343-54	4.7	37
94	Hormonal regulation of leaf senescence in <i>Lilium</i> . <i>Journal of Plant Physiology</i> , <b>2012</b> , 169, 1542-50	3.6	9
93	Sucrose accelerates flower opening and delays senescence through a hormonal effect in cut lily flowers. <i>Plant Science</i> , <b>2012</b> , 188-189, 41-7	5.3	50
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4	$\beta$ -Tocopherol Protection Against Drought-Induced Damage In <i>Rosmarinus Officinalis</i> L. And <i>Melissa Officinalis</i> L.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>1999</b> , 54, 698-703	1.7	7
3	Physiological and Biochemical Processes Related to Ageing and Senescence in Plants 257-283		8
2	The Function of Tocopherols and Tocotrienols in Plants		53
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