

# Sergi Munne Bosch

## List of Publications by Year in descending order

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Version: 2024-02-01

265  
papers

16,554  
citations

13865

67  
h-index

19749

117  
g-index

268  
all docs

268  
docs citations

268  
times ranked

16070  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Phosphate Availability Improves Tomato Quality Through Hormonal Modulation in Developing Fruits. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 153-162.	5.1	6
2	Spatiotemporal limitations in plant biology research. <i>Trends in Plant Science</i> , 2022, 27, 346-354.	8.8	15
3	Differential physiological response to heat and cold stress of tomato plants and its implication on fruit quality. <i>Journal of Plant Physiology</i> , 2022, 268, 153581.	3.5	24
4	Old and ancient trees are life history lottery winners and vital evolutionary resources for long-term adaptive capacity. <i>Nature Plants</i> , 2022, 8, 136-145.	9.3	28
5	Vitamin E protects from lipid peroxidation during winter stress in the seagrass <i>Cymodocea nodosa</i> . <i>Planta</i> , 2022, 255, 41.	3.2	4
6	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> , 2022, 13, 828267.	3.6	4
7	Ethylene and abscisic acid play a key role in modulating apple ripening after harvest and after cold-storage. <i>Postharvest Biology and Technology</i> , 2022, 188, 111902.	6.0	19
8	Quality determination of avocado fruit immersed in a pyridoxal 5- $\alpha$ -phosphate solution. <i>Journal of Food Composition and Analysis</i> , 2022, 110, 104526.	3.9	3
9	Melatonin triggers tissue-specific changes in anthocyanin and hormonal contents during postharvest decay of Angeleno plums. <i>Plant Science</i> , 2022, 320, 111287.	3.6	20
10	Mixing fruits in ready-to-eat packaging leads to physiological changes that modify quality attributes and antioxidant composition. <i>Food Control</i> , 2022, 140, 109129.	5.5	1
11	The <i>Arabidopsis thaliana</i> mRNA decay factor PAT1 functions in osmotic stress responses and decaps ABA-responsive genes. <i>FEBS Letters</i> , 2021, 595, 253-263.	2.8	9
12	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> , 2021, 41, 1212-1229.	3.1	3
13	Holoparasitic plant-host interactions and their impact on Mediterranean ecosystems. <i>Plant Physiology</i> , 2021, 185, 1325-1338.	4.8	11
14	Linking jasmonates with vitamin E accumulation in plants: a case study in the Mediterranean shrub <i>Cistus albidus</i> L. <i>Planta</i> , 2021, 253, 36.	3.2	8
15	Aging, stress, and senescence in plants: what can biological diversity teach us?. <i>GeroScience</i> , 2021, 43, 167-180.	4.6	8
16	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> , 2021, 12, 640601.	3.6	11
17	Tissue-Specific Hormonal Variations in Grapes of Irrigated and Non-irrigated Grapevines ( <i>Vitis vinifera</i> ) Tj ETQq1 1 0.784314 rgBT /Ovele 621587.	3.6	7
18	The threshold between life and death in <i>Cistus albidus</i> L. seedlings: mechanisms underlying drought tolerance and resilience. <i>Tree Physiology</i> , 2021, 41, 1861-1876.	3.1	5

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19	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> , 2021, 283, 110097.	3.6	15
20	PbSRT1 and PbSRT2 regulate pear growth and ripening yet displaying a species-specific regulation in comparison to other Rosaceae spp.. <i>Plant Science</i> , 2021, 308, 110925.	3.6	4
21	Geographic patterns of seed trait variation in an invasive species: how much can close populations differ?. <i>Oecologia</i> , 2021, 196, 747-761.	2.0	5
22	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. <i>Ecology Letters</i> , 2021, 24, 2378-2393.	6.4	21
23	Leaf size modulation by cytokinins in sesame plants. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 763-770.	5.8	8
24	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> , 2021, 191, 104598.	4.2	9
25	Hormonal impact on photosynthesis and photoprotection in plants. <i>Plant Physiology</i> , 2021, 185, 1500-1522.	4.8	90
26	Functional responses to climate change may increase invasive potential of <i>Carpobrotus edulis</i> . <i>American Journal of Botany</i> , 2021, 108, 1902-1916.	1.7	7
27	Î²-Carotene biofortification of chia sprouts with plant growth regulators. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 398-409.	5.8	8
28	English plantain deploys stress tolerance mechanisms at various organization levels across an altitudinal gradient in the Pyrenees. <i>Physiologia Plantarum</i> , 2021, 173, 2350-2360.	5.2	0
29	Biochemical and physiological data collection. , 2021, , 35-52.		2
30	A Dual Role for Abscisic Acid Integrating the Cold Stress Response at the Whole-Plant Level in <i>Iris pseudacorus</i> L. Growing in a Natural Wetland. <i>Frontiers in Plant Science</i> , 2021, 12, 722525.	3.6	4
31	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.	3.6	139
32	Physiological seed dormancy increases at high altitude in Pyrenean saxifrage ( <i>Saxifraga longifolia</i> ) Tj ETQq0 0 0 rgBT J/Overlock 10 Tf 50	4.2	8
33	Plasticity in the growth habit prolongs survival at no physiological cost in a monocarpic perennial at high altitudes. <i>Annals of Botany</i> , 2020, 125, 413-421.	2.9	9
34	Cell wall structure and composition is affected by light quality in tomato seedlings. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111745.	3.8	20
35	Interplay between hormones and assimilates during pear development and ripening and its relationship with the fruit postharvest behaviour. <i>Plant Science</i> , 2020, 291, 110339.	3.6	24
36	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> , 2020, 155, 221-230.	5.8	0

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37	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> , 2020, 1, 100099.	7.7	38
38	Foliar Paclobutrazol Application Suppresses Olive Tree Growth While Promoting Fruit Set. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1638-1646.	5.1	8
39	Oxylipins in plastidial retrograde signaling. <i>Redox Biology</i> , 2020, 37, 101717.	9.0	25
40	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> , 2020, 11, 953.	3.6	25
41	Long-Lived Trees Are Not Immortal. <i>Trends in Plant Science</i> , 2020, 25, 846-849.	8.8	12
42	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> , 2020, 11, 614144.	3.6	24
43	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.	7.1	108
44	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> , 2020, 9, 403.	5.1	12
45	A rapid and sensitive method to assess seed longevity through accelerated aging in an invasive plant species. <i>Plant Methods</i> , 2020, 16, 64.	4.3	18
46	Linking integrative plant physiology with agronomy to sustain future plant production. <i>Environmental and Experimental Botany</i> , 2020, 178, 104125.	4.2	6
47	A defect in <i>BRI1-EMS-SUPPRESSOR 1 (bes1)</i> -mediated brassinosteroid signaling increases photoinhibition and photo-oxidative stress during heat stress in <i>Arabidopsis</i> . <i>Plant Science</i> , 2020, 296, 110470.	3.6	32
48	Differential accumulation of tocochromanols in photosynthetic and non-photosynthetic tissues of strawberry plants subjected to reiterated water deficit. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 868-876.	5.8	11
49	Hormonal interplay in the regulation of fruit ripening and cold acclimation in avocados. <i>Journal of Plant Physiology</i> , 2020, 251, 153225.	3.5	18
50	Strategies for severe drought survival and recovery in a Pyrenean relict species. <i>Physiologia Plantarum</i> , 2020, 169, 276-290.	5.2	4
51	Vitamin E in legume nodules: Occurrence and antioxidant function. <i>Phytochemistry</i> , 2020, 172, 112261.	2.9	8
52	Distribution, trade-offs and drought vulnerability of a high-mountain Pyrenean endemic plant species, <i>Saxifraga longifolia</i> . <i>Global Ecology and Conservation</i> , 2020, 22, e00916.	2.1	5
53	ABA and GA4 dynamic modulates secondary dormancy and germination in <i>Syngonanthus verticillatus</i> seeds. <i>Planta</i> , 2020, 251, 86.	3.2	15
54	Interactions between sucrose and jasmonate signalling in the response to cold stress. <i>BMC Plant Biology</i> , 2020, 20, 176.	3.6	16

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55	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> , 2020, 176, 104097.	4.2	3
56	Contrasting patterns of hormonal and photoprotective isoprenoids in response to stress in <i>Cistus albidus</i> during a Mediterranean winter. <i>Planta</i> , 2019, 250, 1409-1422.	3.2	6
57	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.	3.6	48
58	Malondialdehyde: Facts and Artifacts. <i>Plant Physiology</i> , 2019, 180, 1246-1250.	4.8	294
59	Physiological, Hormonal and Metabolic Responses of two Alfalfa Cultivars with Contrasting Responses to Drought. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5099.	4.1	18
60	Vitamin E in Plants: Biosynthesis, Transport, and Function. <i>Trends in Plant Science</i> , 2019, 24, 1040-1051.	8.8	129
61	Nanofertilizer use for sustainable agriculture: Advantages and limitations. <i>Plant Science</i> , 2019, 289, 110270.	3.6	405
62	Distinctive phytohormonal and metabolic profiles of <i>Arabidopsis thaliana</i> and <i>Eutrema salsugineum</i> under similar soil drying. <i>Planta</i> , 2019, 249, 1417-1433.	3.2	5
63	Leaf Orientation as Part of the Leaf Developmental Program in the Semi-Deciduous Shrub, <i>Cistus albidus</i> L.: Diurnal, Positional, and Photoprotective Effects During Winter. <i>Frontiers in Plant Science</i> , 2019, 10, 767.	3.6	7
64	Physiological Mechanisms Underlying Fruit Sunburn. <i>Critical Reviews in Plant Sciences</i> , 2019, 38, 140-157.	5.7	28
65	Melatonin as an inhibitor of sweet cherries ripening in orchard trees. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 88-95.	5.8	74
66	Inter-individual and sun orientation driven variability reveals antagonistic salicylate and jasmonate accumulation in white-leaved rockrose. <i>Environmental and Experimental Botany</i> , 2019, 162, 115-124.	4.2	4
67	Vitamin E Function in Stress Sensing and Signaling in Plants. <i>Developmental Cell</i> , 2019, 48, 290-292.	7.0	23
68	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.	3.6	92
69	Increased chilling tolerance of the invasive species <i>Carpobrotus edulis</i> may explain its expansion across new territories. , 2019, 7, coz075.		4
70	Hormonal Profiling Reveals a Hormonal Cross-Talk During Fruit Decay in Sweet Cherries. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 431-437.	5.1	9
71	Linking jasmonates with pigment accumulation and photoprotection in a high-mountain endemic plant, <i>Saxifraga longifolia</i> . <i>Environmental and Experimental Botany</i> , 2018, 154, 56-65.	4.2	19
72	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> , 2018, 146, 45-53.	4.2	2

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73	Photoinhibition and photoprotection during flower opening in lilies. <i>Plant Science</i> , 2018, 272, 220-229.	3.6	18
74	An altered tocopherol composition in chloroplasts reduces plant resistance to <i>Botrytis cinerea</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 127, 200-210.	5.8	29
75	<scp>ABA</scp> signalling manipulation suppresses senescence of a leafy vegetable stored at room temperature. <i>Plant Biotechnology Journal</i> , 2018, 16, 530-544.	8.3	23
76	Photo-Oxidative Stress during Leaf, Flower and Fruit Development. <i>Plant Physiology</i> , 2018, 176, 1004-1014.	4.8	119
77	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> , 2018, 145, 39-46.	4.2	8
78	Heat or cold priming-induced cross-tolerance to abiotic stresses in plants: key regulators and possible mechanisms. <i>Protoplasma</i> , 2018, 255, 399-412.	2.1	141
79	MaMADS2 repression in banana fruits modifies hormone synthesis and signalling pathways prior to climacteric stage. <i>BMC Plant Biology</i> , 2018, 18, 267.	3.6	7
80	What Is the Minimal Optimal Sample Size for Plant Ecophysiological Studies?. <i>Plant Physiology</i> , 2018, 178, 953-955.	4.8	8
81	Plasticity in the hormonal response to cold stress in the invasive plant <i>Carpobrotus edulis</i> . <i>Journal of Plant Physiology</i> , 2018, 231, 202-209.	3.5	13
82	Haustorium-endosperm relationships and the integration between developmental pathways during reserve mobilization in <i>Butia capitata</i> (Arecaceae) seeds. <i>Annals of Botany</i> , 2018, 122, 267-277.	2.9	16
83	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> , 2018, 226, 114-122.	3.5	20
84	Photoprotection and Photo-Oxidative Stress Markers As Useful Tools to Unravel Plant Invasion Success. , 2018, , 153-175.		4
85	Transcriptional Regulation of Vitamin E Biosynthesis during Germination of Dwarf Fan Palm Seeds. <i>Plant and Cell Physiology</i> , 2018, 59, 2490-2501.	3.1	8
86	Limits to Tree Growth and Longevity. <i>Trends in Plant Science</i> , 2018, 23, 985-993.	8.8	47
87	Enhanced plastochromanol-8 accumulation during reiterated drought in maize ( <i>Zea mays</i> L.). <i>Plant Physiology and Biochemistry</i> , 2017, 112, 283-289.	5.8	18
88	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.	5.2	25
89	Melatonin may exert a protective role against drought stress in maize. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 286-294.	3.5	83
90	Free Radicals, Oxidative Stress and Antioxidants. , 2017, , 16-19.		12

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91	Physiological and Biochemical Processes Related to Ageing and Senescence in Plants. , 2017, , 257-283.		30
92	Hormonal profile and the role of cell expansion in the germination control of Cerrado biome palm seeds. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 168-177.	5.8	16
93	Abscisic acid and transpiration rate are involved in the response to boron toxicity in <i>Arabidopsis</i> plants. <i>Physiologia Plantarum</i> , 2017, 160, 21-32.	5.2	26
94	Marked differences in seed dormancy in two populations of the Mediterranean shrub, <i>Cistus albidus</i> L.. <i>Plant Ecology and Diversity</i> , 2017, 10, 231-240.	2.4	13
95	Hormonal Sensitivity Decreases During the Progression of Flower Senescence in <i>Lilium longiflorum</i> . <i>Journal of Plant Growth Regulation</i> , 2017, 36, 402-412.	5.1	6
96	Drought stress memory in the photosynthetic mechanisms of an invasive CAM species, <i>Aptenia cordifolia</i> . <i>Photosynthesis Research</i> , 2017, 131, 241-253.	2.9	24
97	Abscisic acid regulates seed germination of <i>Vellozia</i> species in response to temperature. <i>Plant Biology</i> , 2017, 19, 211-216.	3.8	19
98	Defense-Related Transcriptional Reprogramming in Vitamin E-Deficient <i>Arabidopsis</i> Mutants Exposed to Contrasting Phosphate Availability. <i>Frontiers in Plant Science</i> , 2017, 8, 1396.	3.6	14
99	Editorial: Phytohormones and the Regulation of Stress Tolerance in Plants: Current Status and Future Directions. <i>Frontiers in Plant Science</i> , 2017, 8, 1871.	3.6	17
100	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.	4.8	30
101	Hormone Profiling in Plant Tissues. <i>Methods in Molecular Biology</i> , 2017, 1497, 249-258.	0.9	4
102	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.	3.6	67
103	Stress Memory and the Inevitable Effects of Drought: A Physiological Perspective. <i>Frontiers in Plant Science</i> , 2016, 7, 143.	3.6	161
104	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.	3.6	44
105	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> , 2016, 7, 1116.	3.6	14
106	Production and Scavenging of Reactive Oxygen Species and Redox Signaling during Leaf and Flower Senescence: Similar But Different. <i>Plant Physiology</i> , 2016, 171, 1560-1568.	4.8	133
107	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.	4.4	54
108	Adaptation of the Long-Lived Monocarpic Perennial, <i>Saxifraga longifolia</i> to High Altitude. <i>Plant Physiology</i> , 2016, 172, pp.00877.2016.	4.8	25



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109	Oxidative Stress: A Master Regulator of Plant Trade-Offs?. Trends in Plant Science, 2016, 21, 996-999.	8.8	46
110	Flower senescence and other programmed cell death processes in plants: a tribute to the late Wouter G. van Doorn. Journal of Experimental Botany, 2016, 67, 5885-5886.	4.8	3
111	Interspecific variation in vitamin E levels and the extent of lipid peroxidation in pioneer and non-pioneer species used in tropical forest restoration. Tree Physiology, 2016, 36, 1151-1161.	3.1	2
112	Death and Plasticity in Clones Influence Invasion Success. Trends in Plant Science, 2016, 21, 551-553.	8.8	23
113	Sex-related differences in photoinhibition, photo-oxidative stress and photoprotection in stinging nettle ( <i>Urtica dioica</i> L.) exposed to drought and nutrient deficiency. Journal of Photochemistry and Photobiology B: Biology, 2016, 156, 22-28.	3.8	11
114	Abscisic acid and pyrabactin improve vitamin C contents in raspberries. Food Chemistry, 2016, 203, 216-223.	8.2	26
115	Redox and hormone profiling of a <i>Nicotiana tabacum</i> dedifferentiated protoplast culture suggests a role for a cytokinin and gibberellin in plant totipotency. Plant Cell, Tissue and Organ Culture, 2016, 124, 295-306.	2.3	9
116	Transcription Factor ATAF1 in Arabidopsis Promotes Senescence by Direct Regulation of Key Chloroplast Maintenance and Senescence Transcriptional Cascades. Plant Physiology, 2015, 168, 1122-1139.	4.8	229
117	Tocopherol deficiency reduces sucrose export from salt-stressed potato leaves independently of oxidative stress and symplastic obstruction by callose. Journal of Experimental Botany, 2015, 66, 957-971.	4.8	32
118	Redox signaling and stress tolerance in plants: a focus on vitamin E. Annals of the New York Academy of Sciences, 2015, 1340, 29-38.	3.8	58
119	Auxin involvement in tepal senescence and abscission in <i>Lilium</i> : a tale of two lilies. Journal of Experimental Botany, 2015, 66, 945-956.	4.8	17
120	Enhanced tocopherol levels during early germination events in <i>Chamaerops humilis</i> var. <i>humilis</i> seeds. Phytochemistry, 2015, 118, 1-8.	2.9	5
121	Sex-related differences in stress tolerance in dioecious plants: a critical appraisal in a physiological context. Journal of Experimental Botany, 2015, 66, 6083-6092.	4.8	134
122	Interplay between vitamin E and phosphorus availability in the control of longevity in <i>Arabidopsis thaliana</i> . Annals of Botany, 2015, 116, 511-518.	2.9	10
123	Ecophysiological response to seasonal variations in water availability in the arborescent, endemic plant <i>Vellozia gigantea</i> . Tree Physiology, 2015, 35, 253-265.	3.1	22
124	Adaptation to altitude affects the senescence response to chilling in the perennial plant <i>Arabis alpina</i> . Journal of Experimental Botany, 2015, 66, 355-367.	4.8	36
125	Linking phosphorus availability with photo-oxidative stress in plants. Journal of Experimental Botany, 2015, 66, 2889-2900.	4.8	115
126	Control of macaw palm seed germination by the gibberellin/abscisic acid balance. Plant Biology, 2015, 17, 990-996.	3.8	37



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127	Zeatin modulates flower bud development and tocopherol levels in <i>Cistus albidus</i> (L.) plants as they age. <i>Plant Biology</i> , 2015, 17, 90-96.	3.8	6
128	Secret of long life lies underground. <i>New Phytologist</i> , 2015, 205, 463-467.	7.3	11
129	Senescence: Is It Universal or Not?. <i>Trends in Plant Science</i> , 2015, 20, 713-720.	8.8	32
130	Ethylene Response Factors: A Key Regulatory Hub in Hormone and Stress Signaling. <i>Plant Physiology</i> , 2015, 169, 32-41.	4.8	557
131	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> , 2015, 29, 1781-1790.	1.9	14
132	Tissue-specific hormonal profiling during dormancy release in macaw palm seeds. <i>Physiologia Plantarum</i> , 2015, 153, 627-642.	5.2	39
133	Sex ratios in dioecious plants in the framework of global change. <i>Environmental and Experimental Botany</i> , 2015, 109, 99-102.	4.2	46
134	Evidence of Drought Stress Memory in the Facultative CAM, <i>Aptenia cordifolia</i> : Possible Role of Phytohormones. <i>PLoS ONE</i> , 2015, 10, e0135391.	2.5	67
135	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.	1.9	25
136	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, 3975-3992.	4.8	94
137	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, 287-297.	4.8	26
138	Sex-related differences in lipid peroxidation and photoprotection in <i>Pistacia lentiscus</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 1039-1049.	4.8	31
139	Glutathione and transpiration as key factors conditioning oxidative stress in <i>Arabidopsis thaliana</i> exposed to uranium. <i>Planta</i> , 2014, 239, 817-830.	3.2	32
140	Photo-oxidative stress markers as a measure of abiotic stress-induced leaf senescence: advantages and limitations. <i>Journal of Experimental Botany</i> , 2014, 65, 3845-3857.	4.8	142
141	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> , 2014, 33, 34-43.	5.1	9
142	Functional interplay between protein kinase <i>CK2</i> and salicylic acid sustains <i>PIN1</i> transcriptional expression and root development. <i>Plant Journal</i> , 2014, 78, 411-423.	5.7	30
143	Perennial Roots to Immortality. <i>Plant Physiology</i> , 2014, 166, 720-725.	4.8	21
144	No signs of meristem senescence in old Scots pine. <i>Journal of Ecology</i> , 2014, 102, 555-565.	4.0	27

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145	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	22
146	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, 1299-1317.	3.2	89
147	Plastochromanol-8: Fifty years of research. <i>Phytochemistry</i> , 2014, 108, 9-16.	2.9	81
148	Tocotrienols in <i>Vellozia gigantea</i> leaves: occurrence and modulation by seasonal and plant size effects. <i>Planta</i> , 2014, 240, 437-446.	3.2	16
149	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> , 2014, 118, 203-213.	2.3	10
150	Plant Hormones Increase Efficiency of Reprogramming Mouse Somatic Cells to Induced Pluripotent Stem Cells and Reduce Tumorigenicity. <i>Stem Cells and Development</i> , 2014, 23, 586-593.	2.1	9
151	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> , 2014, 56, 74-82.	5.2	25
152	Plant amino acid-derived vitamins: biosynthesis and function. <i>Amino Acids</i> , 2014, 46, 809-824.	2.7	84
153	Physiological response of halophytes to multiple stresses. <i>Functional Plant Biology</i> , 2013, 40, 883.	2.1	87
154	Ecophysiology of invasive plants: osmotic adjustment and antioxidants. <i>Trends in Plant Science</i> , 2013, 18, 660-666.	8.8	74
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156	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.	2.4	46
157	Plant age-related changes in cytokinins, leaf growth and pigment accumulation in juvenile mastic trees. <i>Environmental and Experimental Botany</i> , 2013, 87, 10-18.	4.2	17
158	Photo-oxidative stress in emerging and senescing leaves: a mirror image?. <i>Journal of Experimental Botany</i> , 2013, 64, 3087-3098.	4.8	123
159	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> , 2013, 94, 57-65.	4.2	43
160	Improving the Polyphenol Content of Tea. <i>Critical Reviews in Plant Sciences</i> , 2013, 32, 192-215.	5.7	85
161	Salicylic Acid Biosynthesis and Role in Modulating Terpenoid and Flavonoid Metabolism in Plant Responses to Abiotic Stress. , 2013, , 141-162.		17
162	Cross-stress tolerance and stress "memory" in plants: An integrated view. <i>Environmental and Experimental Botany</i> , 2013, 94, 1-2.	4.2	43

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163	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, 1311-1323.	3.2	51
164	Photooxidative stress markers reveal absence of physiological deterioration with ageing in <i>B. orderea pyrenaica</i> , an extraordinarily long-lived herb. <i>Journal of Ecology</i> , 2013, 101, 555-565.	4.0	34
165	Hormonal cross-talk in plant development and stress responses. <i>Frontiers in Plant Science</i> , 2013, 4, 529.	3.6	71
166	Plastid Signaling During the Plant Life Cycle. <i>Advances in Photosynthesis and Respiration</i> , 2013, , 503-528.	1.0	7
167	The Impact of Global Change Factors on Redox Signaling Underpinning Stress Tolerance. <i>Plant Physiology</i> , 2012, 161, 5-19.	4.8	254
168	Acclimation to high salinity in the invasive CAM plant <i>Aptenia cordifolia</i> . <i>Plant Ecology and Diversity</i> , 2012, 5, 403-410.	2.4	7
169	Leaves of Field-Grown Mastic Trees Suffer Oxidative Stress at the Two Extremes of their Lifespan. <i>Journal of Integrative Plant Biology</i> , 2012, 54, 584-594.	8.5	17
170	Hormonal changes during flower development in floral tissues of <i>Lilium</i> . <i>Planta</i> , 2012, 236, 343-354.	3.2	46
171	Hormonal regulation of leaf senescence in <i>Lilium</i> . <i>Journal of Plant Physiology</i> , 2012, 169, 1542-1550.	3.5	12
172	Sucrose accelerates flower opening and delays senescence through a hormonal effect in cut lily flowers. <i>Plant Science</i> , 2012, 188-189, 41-47.	3.6	69
173	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, 360-368.	3.5	31
174	Antioxidant Defenses Against Drought Stress. , 2012, , 231-258.		19
175	Naringenin inhibits seed germination and seedling root growth through a salicylic acid-independent mechanism in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2012, 61, 24-28.	5.8	17
176	Enhanced Phenolic Diterpenes Antioxidant Levels Through Non-transgenic Approaches. <i>Critical Reviews in Plant Sciences</i> , 2012, 31, 505-519.	5.7	20
177	<i>JUNGBRUNNEN1</i> , a Reactive Oxygen Species-Responsive NAC Transcription Factor, Regulates Longevity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 482-506.	6.6	512
178	Physiological and antioxidant responses of <i>Erica multiflora</i> to drought and warming through different seasons. <i>Plant Ecology</i> , 2012, 213, 649-661.	1.6	12
179	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.	4.2	28
180	Common and distinct responses in phytohormone and vitamin E changes during seed burial and dormancy in <i>Xyris bialata</i> and <i>X. âperegrina</i> . <i>Plant Biology</i> , 2012, 14, 347-353.	3.8	20

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181	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.	2.4	71
182	Age and sex-related changes in cytokinins, auxins and abscisic acid in a centenarian relict herbaceous perennial. <i>Planta</i> , 2012, 235, 349-358.	3.2	15
183	Tocotrienols in Plants. , 2012, , 23-38.		0
184	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.	1.2	16
185	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.	3.5	26
186	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.	1.9	23
187	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, 128-143.	5.2	159
188	PHENOLIC COMPOUNDS, TOCOPHEROLS, CAROTENOIDS AND VITAMIN C OF COMMERCIAL CAPER. <i>Journal of Food Biochemistry</i> , 2011, 35, 472-483.	2.9	28
189	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, 1165-1176.	5.8	38
190	Salt-induced oxidative stress in rosemary plants: Damage or protection?. <i>Environmental and Experimental Botany</i> , 2011, 71, 298-305.	4.2	63
191	Accumulation of $\hat{\Gamma}^3$ - Rather than $\hat{\Gamma}^{\pm}$ -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, 1389-1400.	3.1	111
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193	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.	4.3	303
194	Influence of stress history on the response of the dioecious plant <i>Urtica dioica</i> L. to abiotic stress. <i>Plant Ecology and Diversity</i> , 2011, 4, 45-54.	2.4	13
195	Phenolic Compounds and Vitamin Antioxidants of Caper ( <i>Capparis spinosa</i> ). <i>Plant Foods for Human Nutrition</i> , 2010, 65, 260-265.	3.2	97
196	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.	4.2	39
197	Redox regulation of water stress responses in field-grown plants. Role of hydrogen peroxide and ascorbate. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 351-358.	5.8	93
198	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, 813-821.	5.8	20

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200	Loss of flower bud vigour in the Mediterranean shrub, <i>Cistus albidus</i> L. at advanced developmental stages. <i>Plant Biology</i> , 2010, 12, 475-483.	3.8	11
201	Direct foliar absorption of rainfall water and its biological significance in dryland ecosystems. <i>Journal of Arid Environments</i> , 2010, 74, 417-418.	2.4	18
202	Diurnal patterns of $\alpha$ -tocopherol accumulation in Mediterranean plants. <i>Journal of Arid Environments</i> , 2010, 74, 1572-1576.	2.4	12
203	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.	3.6	33
204	Vitamins in plants: occurrence, biosynthesis and antioxidant function. <i>Trends in Plant Science</i> , 2010, 15, 582-592.	8.8	288
205	Tocochromanol functions in plants: antioxidation and beyond. <i>Journal of Experimental Botany</i> , 2010, 61, 1549-1566.	4.8	288
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207	Salicylic acid deficiency in NahG transgenic lines and sid2 mutants increases seed yield in the annual plant <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2009, 60, 1261-1271.	4.8	179
208	Ethylene signaling may be involved in the regulation of tocopherol biosynthesis in <i>Arabidopsis thaliana</i> . <i>FEBS Letters</i> , 2009, 583, 992-996.	2.8	26
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213	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, 945-956.	2.9	24
214	Phenolic diterpene and $\alpha$ -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.	3.5	50
215	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, 148-155.	3.8	19
216	Hyponastic leaf growth decreases the photoprotective demand, prevents damage to photosystem II and delays leaf senescence in <i>Salvia broussonetii</i> plants. <i>Physiologia Plantarum</i> , 2008, 134, 369-379.	5.2	8

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218	Do perennials really senesce?. <i>Trends in Plant Science</i> , 2008, 13, 216-220.	8.8	130
219	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> , 2008, 60, 107-120.	4.8	88
220	Î±-Tocopherol: A Multifaceted Molecule in Plants. <i>Vitamins and Hormones</i> , 2007, 76, 375-392.	1.7	57
221	Ageing in Perennials. <i>Critical Reviews in Plant Sciences</i> , 2007, 26, 123-138.	5.7	86
222	A deficiency in salicylic acid alters isoprenoid accumulation in water-stressed NahG transgenic <i>Arabidopsis</i> plants. <i>Plant Science</i> , 2007, 172, 756-762.	3.6	21
223	Photo- and antioxidant protection and salicylic acid accumulation during post-anthesis leaf senescence in <i>Salvia lanigera</i> grown under Mediterranean climate. <i>Physiologia Plantarum</i> , 2007, 131, 590-598.	5.2	18
224	Î±-Tocopherol may influence cellular signaling by modulating jasmonic acid levels in plants. <i>Planta</i> , 2007, 225, 681-691.	3.2	96
225	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, 1039-1049.	3.2	68
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229	The Ascorbate-deficient vtc-1 <i>Arabidopsis</i> Mutant Shows Altered ABA Accumulation in Leaves and Chloroplasts. <i>Journal of Plant Growth Regulation</i> , 2006, 25, 137-144.	5.1	27
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231	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.	5.2	29
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233	Linking tocopherols with cellular signaling in plants. <i>New Phytologist</i> , 2005, 166, 363-366.	7.3	38
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236	Isoprenoids: an evolutionary pool for photoprotection. <i>Trends in Plant Science</i> , 2005, 10, 166-169.	8.8	262
237	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, 1303-1311.	3.1	177
238	Airborne Ethylene May Alter Antioxidant Protection and Reduce Tolerance of Holm Oak to Heat and Drought Stress. <i>Plant Physiology</i> , 2004, 136, 2937-2947.	4.8	67
239	New insights into the function of tocopherols in plants. <i>Planta</i> , 2004, 218, 323-326.	3.2	108
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241	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.	3.6	120
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243	Photo- and antioxidative protection, and a role for salicylic acid during drought and recovery in field-grown <i>Phillyrea angustifolia</i> plants. <i>Planta</i> , 2003, 217, 758-766.	3.2	320
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252	The Function of Tocopherols and Tocotrienols in Plants. <i>Critical Reviews in Plant Sciences</i> , 2002, 21, 31-57.	5.7	100



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254	Drought-induced senescence is characterized by a loss of antioxidant defences in chloroplasts. <i>Plant, Cell and Environment</i> , 2001, 24, 1319-1327.	5.7	154
255	Daily time course of whole-shoot gas exchange rates in two drought-exposed Mediterranean shrubs. <i>Tree Physiology</i> , 2001, 21, 51-58.	3.1	26
256	Water deficit in combination with high solar radiation leads to midday depression of $\alpha$ -tocopherol in field-grown lavender ( <i>Lavandula stoechas</i> ) plants. <i>Functional Plant Biology</i> , 2001, 28, 315.	2.1	9
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258	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.	5.2	39
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260	Changes in carotenoids, tocopherols and diterpenes during drought and recovery, and the biological significance of chlorophyll loss in <i>Rosmarinus officinalis</i> plants. <i>Planta</i> , 2000, 210, 925-931.	3.2	348
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263	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.	7.3	132
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265	$\alpha$ -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> , 1999, 54, 698-703.	1.4	11