Sergi Munne Bosch

List of Publications by Year
in descending order

265	16,554	13865 67	19747 117
papers	citations	h-index	g-index

268	268	268	16070
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Function of Tocopherols and Tocotrienols in Plants. Critical Reviews in Plant Sciences, 2002, 21, 31-57.	5.7	613
2	Die and let live: leaf senescence contributes to plant survival under drought stress. Functional Plant Biology, 2004, 31, 203.	2.1	586
3	Ethylene Response Factors: A Key Regulatory Hub in Hormone and Stress Signaling. Plant Physiology, 2015, 169, 32-41.	4.8	557
4	How relevant are flavonoids as antioxidants in plants?. Trends in Plant Science, 2009, 14, 125-132.	8.8	548
5	The role of -tocopherol in plant stress tolerance. Journal of Plant Physiology, 2005, 162, 743-748.	3.5	514
6	JUNGBRUNNEN1, a Reactive Oxygen Speciesâ€“Responsive NAC Transcription Factor, Regulates Longevity in Arabidopsis. Plant Cell, 2012, 24, 482-506.	6.6	512
7	Nanofertilizer use for sustainable agriculture: Advantages and limitations. Plant Science, 2019, 289, 110270.	3.6	405
8	Changes in carotenoids, tocopherols and diterpenes during drought and recovery, and the biological significance of chlorophyll loss in Rosmarinus officinalis plants. Planta, 2000, 210, 925-931.	3.2	348
9	Photo- and antioxidative protection, and a role for salicylic acid during drought and recovery in field-grown Phillyrea angustifolia plants. Planta, 2003, 217, 758-766.	3.2	320
10	Rapid and sensitive hormonal profiling of complex plant samples by liquid chromatography coupled to electrospray ionization tandem mass spectrometry. Plant Methods, 2011, 7, 37.	4.3	303
11	Malondialdehyde: Facts and Artifacts. Plant Physiology, 2019, 180, 1246-1250.	4.8	294
12	Vitamins in plants: occurrence, biosynthesis and antioxidant function. Trends in Plant Science, 2010, 15, 582-592.	8.8	288
13	Tocochromanol functions in plants: antioxidation and beyond. Journal of Experimental Botany, 2010, 61, 1549-1566.	4.8	288
14	Isoprenoids: an evolutionary pool for photoprotection. Trends in Plant Science, 2005, 10, 166-169.	8.8	262
15	The Impact of Global Change Factors on Redox Signaling Underpinning Stress Tolerance Â. Plant Physiology, 2012, 161, 5-19.	4.8	254
16	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
17	PRI assessment of long-term changes in carotenoids/chlorophyll ratio and short-term changes in de-epoxidation state of the xanthophyll cycle. International Journal of Remote Sensing, 2009, 30, 4443-4455.	2.9	210
18	Salicylic acid deficiency in NahG transgenic lines and sid2 mutants increases seed yield in the annual plant Arabidopsis thaliana. Journal of Experimental Botany, 2009, 60, 1261-1271.	4.8	179

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19	Plant aging increases oxidative stress in chloroplasts. Planta, 2002, 214, 608-615.	3.2	177
20	Drought-induced changes in flavonoids and other low molecular weight antioxidants in Cistus clusii grown under Mediterranean field conditions. Tree Physiology, 2004, 24, 1303-1311.	3.1	177
21	Stress Memory and the Inevitable Effects of Drought: A Physiological Perspective. Frontiers in Plant Science, 2016, 7, 143.	3.6	161
22	Early effects of salt stress on the physiological and oxidative status of Cakile maritima (halophyte) and Arabidopsis thaliana (glycophyte). Physiologia Plantarum, 2011, 142, 128-143.	5.2	159
23	Drought-induced senescence is characterized by a loss of antioxidant defences in chloroplasts. Plant, Cell and Environment, 2001, 24, 1319-1327.	5.7	154
24	Drought-Induced Changes in the Redox State of Î±-Tocopherol, Ascorbate, and the Diterpene Carnosic Acid in Chloroplasts of Labiatae Species Differing in Carnosic Acid Contents. Plant Physiology, 2003, 131, 1816-1825.	4.8	151
25	Enhanced Formation of Î±-Tocopherol and Highly Oxidized Abietane Diterpenes in Water-Stressed Rosemary Plants. Plant Physiology, 1999, 121, 1047-1052.	4.8	147
26	Photo-oxidative stress markers as a measure of abiotic stress-induced leaf senescence: advantages and limitations. Journal of Experimental Botany, 2014, 65, 3845-3857.	4.8	142
27	Heat or cold priming-induced cross-tolerance to abiotic stresses in plants: key regulators and possible mechanisms. Protoplasma, 2018, 255, 399-412.	2.1	141
28	An overview of plant-based natural biostimulants for sustainable horticulture with a particular focus on moringa leaf extracts. Plant Science, 2020, 295, 110194.	3.6	139
29	Linking isoprene with plant thermotolerance, antioxidants and monoterpene emissions. Plant, Cell and Environment, 2005, 28, 278-286.	5.7	134
30	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
31	Production and Scavenging of Reactive Oxygen Species and Redox Signaling during Leaf and Flower Senescence: Similar But Different. Plant Physiology, 2016, 171, 1560-1568.	4.8	133
32	Diurnal variations of photosynthesis and dew absorption by leaves in two evergreen shrubs growing in Mediterranean field conditions. New Phytologist, 1999, 144, 109-119.	7.3	132
33	Do perennials really senesce?. Trends in Plant Science, 2008, 13, 216-220.	8.8	130
34	Vitamin E in Plants: Biosynthesis, Transport, and Function. Trends in Plant Science, 2019, 24, 1040-1051.	8.8	129
35	Photo- and Antioxidative Protection During Summer Leaf Senescence in Pistacia lentiscus L. Grown under Mediterranean Field Conditions. Annals of Botany, 2003, 92, 385-391.	2.9	124
36	Photo-oxidative stress in emerging and senescing leaves: a mirror image?. Journal of Experimental Botany, 2013, 64, 3087-3098.	4.8	123

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37	Drought-induced oxidative stress in strawberry tree (Arbutus unedo L.) growing in Mediterranean field conditions. Plant Science, 2004, 166, 1105-1110.	3.6	120
38	Photo-Oxidative Stress during Leaf, Flower and Fruit Development. Plant Physiology, 2018, 176, 1004-1014.	4.8	119
39	Leaf reflectance and photoâ€•and antioxidant protection in fieldâ€grown summerâ€stressed Phillyrea angustifolia . Optical signals of oxidative stress?. New Phytologist, 2004, 162, 115-124.	7.3	115
40	Linking phosphorus availability with photo-oxidative stress in plants. Journal of Experimental Botany, 2015, 66, 2889-2900.	4.8	115
41	Accumulation of Î³- Rather than Î±-Tocopherol Alters Ethylene Signaling Gene Expression in the vte4 Mutant of Arabidopsis thaliana. Plant and Cell Physiology, 2011, 52, 1389-1400.	3.1	111
42	Salicylic acid may be involved in the regulation of drought-induced leaf senescence in perennials: A case study in field-grown Salvia officinalis L. plants. Environmental and Experimental Botany, 2008, 64, 105-112.	4.2	110
43	New insights into the function of tocopherols in plants. Planta, 2004, 218, 323-326.	3.2	108
44	Global gene flow releases invasive plants from environmental constraints on genetic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4218-4227.	7.1	108
45	Subcellular Compartmentation of the Diterpene Carnosic Acid and Its Derivatives in the Leaves of Rosemary. Plant Physiology, 2001, 125, 1094-1102.	4.8	105
46	Enhanced oxidation of flavan-3-ols and proanthocyanidin accumulation in water-stressed tea plants. Phytochemistry, 2006, 67, 1120-1126.	2.9	105
47	The Function of Tocopherols and Tocotrienols in Plants. Critical Reviews in Plant Sciences, 2002, 21, 31-57.	5.7	100
48	Phenolic Compounds and Vitamin Antioxidants of Caper (Capparis spinosa). Plant Foods for Human Nutrition, 2010, 65, 260-265.	3.2	97
49	Î±-Tocopherol may influence cellular signaling by modulating jasmonic acid levels in plants. Planta, 2007, 225, 681-691.	3.2	96
50	Reversal of senescence by N resupply to N-starved Arabidopsis thaliana: transcriptomic and metabolomic consequences. Journal of Experimental Botany, 2014, 65, 3975-3992.	4.8	94
51	Redox regulation of water stress responses in field-grown plants. Role of hydrogen peroxide and ascorbate. Plant Physiology and Biochemistry, 2010, 48, 351-358.	5.8	93
52	Biosynthesis, Metabolism and Function of Auxin, Salicylic Acid and Melatonin in Climacteric and Non-climacteric Fruits. Frontiers in Plant Science, 2019, 10, 136.	3.6	92
53	Hormonal impact on photosynthesis and photoprotection in plants. Plant Physiology, 2021, 185, 1500-1522.	4.8	90
54	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. Planta, 2014, 240, 1299-1317.	3.2	89

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55	Hydrogen peroxide is involved in the acclimation of the Mediterranean shrub, Cistus albidus L., to summer drought. Journal of Experimental Botany, 2008, 60, 107-120.	4.8	88
56	Physiological response of halophytes to multiple stresses. Functional Plant Biology, 2013, 40, 883.	2.1	87
57	Interplay between ascorbic acid and lipophilic antioxidant defences in chloroplasts of water-stressedArabidopsisplants. FEBS Letters, 2002, 524, 145-148.	2.8	86
58	Aging in Perennials. Critical Reviews in Plant Sciences, 2007, 26, 123-138.	5.7	86
59	Improving the Polyphenol Content of Tea. Critical Reviews in Plant Sciences, 2013, 32, 192-215.	5.7	85
60	Plant amino acid-derived vitamins: biosynthesis and function. Amino Acids, 2014, 46, 809-824.	2.7	84
61	Melatonin may exert a protective role against drought stress in maize. Journal of Agronomy and Crop Science, 2017, 203, 286-294.	3.5	83
62	Plastochromanol-8: Fifty years of research. Phytochemistry, 2014, 108, 9-16.	2.9	81
63	Ecophysiology of invasive plants: osmotic adjustment and antioxidants. Trends in Plant Science, 2013, 18, 660-666.	8.8	74
64	Melatonin as an inhibitor of sweet cherries ripening in orchard trees. Plant Physiology and Biochemistry, 2019, 140, 88-95.	5.8	74
65	Role of Dew on the Recovery of Water-Stressed Melissa officinalis L. Plants. Journal of Plant Physiology, 1999, 154, 759-766.	3.5	73
66	Enhanced ferredoxin-dependent cyclic electron flow around photosystem I and Î±-tocopherol quinone accumulation in water-stressed ndhB-inactivated tobacco mutants. Planta, 2005, 222, 502-511.	3.2	71
67	Higher plasticity in ecophysiological traits enhances the performance and invasion success of Taraxacum officinale (dandelion) in alpine environments. Biological Invasions, 2012, 14, 21-33.	2.4	71
68	Hormonal cross-talk in plant development and stress responses. Frontiers in Plant Science, 2013, 4, 529.	3.6	71
69	Sucrose accelerates flower opening and delays senescence through a hormonal effect in cut lily flowers. Plant Science, 2012, 188-189, 41-47.	3.6	69
70	Age-related changes in oxidative stress markers and abscisic acid levels in a drought-tolerant shrub, Cistus clusii grown under Mediterranean field conditions. Planta, 2007, 225, 1039-1049.	3.2	68
71	Diterpenes and antioxidative protection in drought-stressed Salvia officinalis plants. Journal of Plant Physiology, 2001, 158, 1431-1437.	3.5	67
72	Airborne Ethylene May Alter Antioxidant Protection and Reduce Tolerance of Holm Oak to Heat and Drought Stress. Plant Physiology, 2004, 136, 2937-2947.	4.8	67

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73	Grapevine Rootstocks Differentially Affect the Rate of Ripening and Modulate Auxin-Related Genes in Cabernet Sauvignon Berries. Frontiers in Plant Science, 2016, 7, 69.	3.6	67
74	Evidence of Drought Stress Memory in the Facultative CAM, Aptenia cordifolia: Possible Role of Phytohormones. PLoS ONE, 2015, 10, e0135391.	2.5	67
75	Salt-induced oxidative stress in rosemary plants: Damage or protection?. Environmental and Experimental Botany, 2011, 71, 298-305.	4.2	63
76	Enhanced photo- and antioxidative protection, and hydrogen peroxide accumulation in drought-stressed Cistus clusii and Cistus albidus plants. Tree Physiology, 2003, 23, 1-12.	3.1	62
77	Physiological and molecular responses of the isoprenoid biosynthetic pathway in a drought-resistant Mediterranean shrub, Cistus creticus exposed to water deficit. Journal of Plant Physiology, 2009, 166, 136-145.	3.5	59
78	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
79	Î±â€Tocopherol: A Multifaceted Molecule in Plants. Vitamins and Hormones, 2007, 76, 375-392.	1.7	57
80	Linking hormonal profiles with variations in sugar and anthocyanin contents during the natural development and ripening of sweet cherries. New Biotechnology, 2016, 33, 824-833.	4.4	54
81	Photoprotection in water-stressed plants of durum wheat (Triticum turgidum var. durum): changes in chlorophyll fluorescence, spectral signature and photosynthetic pigments. Functional Plant Biology, 2002, 29, 35.	2.1	51
82	Drought and cadmium may be as effective as salinity in conferring subsequent salt stress tolerance in Cakile maritima. Planta, 2013, 237, 1311-1323.	3.2	51
83	Phenolic diterpene and Î±â€tocopherol contents in leaf extracts of 60 Salvia species. Journal of the Science of Food and Agriculture, 2008, 88, 2648-2653.	3.5	50
84	Hormonal Effects of an Enzymatically Hydrolyzed Animal Protein-Based Biostimulant (Pepton) in Water-Stressed Tomato Plants. Frontiers in Plant Science, 2019, 10, 758.	3.6	48
85	Limits to Tree Growth and Longevity. Trends in Plant Science, 2018, 23, 985-993.	8.8	47
86	Hormonal changes during flower development in floral tissues of Lilium. Planta, 2012, 236, 343-354.	3.2	46
87	Increased sensitivity to salt stress in tocopherol-deficient Arabidopsis mutants growing in a hydroponic system. Plant Signaling and Behavior, 2013, 8, e23136.	2.4	46
88	Sex ratios in dioecious plants in the framework of global change. Environmental and Experimental Botany, 2015, 109, 99-102.	4.2	46
89	Oxidative Stress: A Master Regulator of Plant Trade-Offs?. Trends in Plant Science, 2016, 21, 996-999.	8.8	46
90	Potentially immortal?. New Phytologist, 2010, 187, 564-567.	7.3	44

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91	Implication of Abscisic Acid on Ripening and Quality in Sweet Cherries: Differential Effects during Pre- and Post-harvest. Frontiers in Plant Science, 2016, 7, 602.	3.6	44
92	The formation of phenolic diterpenes in Rosmarinus officinalis L. under Mediterranean climate. European Food Research and Technology, 2000, 210, 263-267.	3.3	43
93	A comparative study of the hormonal response to high temperatures and stress reiteration in three Labiatae species. Environmental and Experimental Botany, 2013, 94, 57-65.	4.2	43
94	Cross-stress tolerance and stress â€œmemoryâ€•in plants: An integrated view. Environmental and Experimental Botany, 2013, 94, 1-2.	4.2	43
95	The xanthophyll cycle is induced by light irrespective of water status in field-grown lavender (Lavandula stoechas) plants. Physiologia Plantarum, 2000, 108, 147-151.	5.2	39
96	The timing of methyl jasmonate, hydrogen peroxide and ascorbate accumulation during water deficit and subsequent recovery in the Mediterranean shrub Cistus albidus L.. Environmental and Experimental Botany, 2010, 69, 47-55.	4.2	39
97	Tissueâ€specific hormonal profiling during dormancy release in macaw palm seeds. Physiologia Plantarum, 2015, 153, 627-642.	5.2	39
98	Linking tocopherols with cellular signaling in plants. New Phytologist, 2005, 166, 363-366.	7.3	38
99	Kinetin applications alleviate salt stress and improve the antioxidant composition of leaf extracts in Salvia officinalis. Plant Physiology and Biochemistry, 2011, 49, 1165-1176.	5.8	38
100	Abscisic Acid Connects Phytohormone Signaling with RNA Metabolic Pathways and Promotes an Antiviral Response that Is Evaded by a Self-Controlled RNA Virus. Plant Communications, 2020, 1, 100099.	7.7	38
101	Control of macaw palm seed germination by the gibberellin/abscisic acid balance. Plant Biology, 2015, 17, 990-996.	3.8	37
102	Airborne limonene confers limited thermotolerance to Quercus ilex. Physiologia Plantarum, 2005, 123, 40-48.	5.2	36
103	Adaptation to altitude affects the senescence response to chilling in the perennial plant Arabis alpina. Journal of Experimental Botany, 2015, 66, 355-367.	4.8	36
104	FATTY ACIDS, TOCOPHEROLS AND CAROTENOIDS FROM SEEDS OF TUNISIAN CAPER â€œCAPPARIS SPINOSAâ€• Journal of Food Lipids, 2009, 16, 452-464.	1.0	34
105	Photoâ€oxidative stress markers reveal absence of physiological deterioration with ageing in B orderea pyrenaica , an extraordinarily longâ€lived herb. Journal of Ecology, 2013, 101, 555-565.	4.0	34
106	Tocopherol composition in flower organs of Lilium and its variations during natural and artificial senescence. Plant Science, 2010, 179, 289-295.	3.6	33
107	Glutathione and transpiration as key factors conditioning oxidative stress in Arabidopsis thaliana exposed to uranium. Planta, 2014, 239, 817-830.	3.2	32
108	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

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109	Senescence: Is It Universal or Not?. Trends in Plant Science, 2015, 20, 713-720.	8.8	32
110	A defect in BRI1-EMS-SUPPRESSOR 1 (bes1)-mediated brassinosteroid signaling increases photoinhibition and photo-oxidative stress during heat stress in Arabidopsis. Plant Science, 2020, 296, 110470.	3.6	32
111	Enhanced oxidative stress in the ethylene-insensitive (ein3-1) mutant of Arabidopsis thaliana exposed to salt stress. Journal of Plant Physiology, 2012, 169, 360-368.	3.5	31
112	Sex-related differences in lipid peroxidation and photoprotection in Pistacia lentiscus. Journal of Experimental Botany, 2014, 65, 1039-1049.	4.8	31
113	Functional interplay between protein kinase <scp>CK</scp>2 and salicylic acid sustains <scp>PIN</scp> transcriptional expression and root development. Plant Journal, 2014, 78, 411-423.	5.7	30
114	Physiological and Biochemical Processes Related to Ageing and Senescence in Plants. , 2017, , 257-283.		30
115	Acceleration of leaf senescence is slowed down in transgenic barley plants deficient in the DNA/RNA-binding protein WHIRLY1. Journal of Experimental Botany, 2017, 68, 983-996.	4.8	30
116	Sustained accumulation of methyl salicylate alters antioxidant protection and reduces tolerance of holm oak to heat stress. Physiologia Plantarum, 2005, 124, 353-361.	5.2	29
117	Enhanced Î±-tocopherol quinone levels and xanthophyll cycle de-epoxidation in rosemary plants exposed to water deficit during a Mediterranean winter. Journal of Plant Physiology, 2006, 163, 601-606.	3.5	29
118	Vitamin E analyses in seeds reveal a dominant presence of tocotrienols over tocopherols in the Arecaceae family. Phytochemistry, 2013, 95, 207-214.	2.9	29
119	An altered tocopherol composition in chloroplasts reduces plant resistance to Botrytis cinerea. Plant Physiology and Biochemistry, 2018, 127, 200-210.	5.8	29
120	PHENOLIC COMPOUNDS, TOCOPHEROLS, CAROTENOIDS AND VITAMIN C OF COMMERCIAL CAPER. Journal of Food Biochemistry, 2011, 35, 472-483.	2.9	28
121	Canopy position determines the photoprotective demand and antioxidant protection of leaves in salt-stressed Salvia officinalis L. plants. Environmental and Experimental Botany, 2012, 78, 146-156.	4.2	28
122	Physiological Mechanisms Underlying Fruit Sunburn. Critical Reviews in Plant Sciences, 2019, 38, 140-157.	5.7	28
123	Old and ancient trees are life history lottery winners and vital evolutionary resources for long-term adaptive capacity. Nature Plants, 2022, 8, 136-145.	9.3	28
124	The Ascorbate-deficient vtc-1 Arabidopsis Mutant Shows Altered ABA Accumulation in Leaves and Chloroplasts. Journal of Plant Growth Regulation, 2006, 25, 137-144.	5.1	27
125	No signs of meristem senescence in old <scp>S</scp>cots pine. Journal of Ecology, 2014, 102, 555-565.	4.0	27
126	Daily time course of whole-shoot gas exchange rates in two drought-exposed Mediterranean shrubs. Tree Physiology, 2001, 21, 51-58.	3.1	26

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127	Ethylene signaling may be involved in the regulation of tocopherol biosynthesis in Arabidopsis thaliana. FEBS Letters, 2009, 583, 992-996.	2.8	26
128	Diurnal changes in photosystem II photochemistry, photoprotective compounds and stress-related phytohormones in the CAM plant, Aptenia cordifolia. Plant Science, 2009, 177, 404-410.	3.6	26
129	Plant aging and excess light enhance flavan-3-ol content in Cistus clusii. Journal of Plant Physiology, 2011, 168, 96-102.	3.5	26
130	Perennially young: seed production and quality in controlled and natural populations of Cistus albidus reveal compensatory mechanisms that prevent senescence in terms of seed yield and viability. Journal of Experimental Botany, 2014, 65, 287-297.	4.8	26
131	Abscisic acid and pyrabactin improve vitamin C contents in raspberries. Food Chemistry, 2016, 203, 216-223.	8.2	26
132	Abscisic acid and transpiration rate are involved in the response to boron toxicity in Arabidopsis plants. Physiologia Plantarum, 2017, 160, 21-32.	5.2	26
133	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. Trees - Structure and Function, 2014, 28, 1705-1722.	1.9	25
134	Accummulation of mangiferin, isomangiferin, iriflophenone-3-C-Î²-glucoside and hesperidin in honeybush leaves (Cyclopia genistoides Vent.) in response to harvest time, harvest interval and seed source. Industrial Crops and Products, 2014, 56, 74-82.	5.2	25
135	Adaptation of the Long-Lived Monocarpic Perennial, Saxifraga longifolia to High Altitude. Plant Physiology, 2016, 172, pp.00877.2016.	4.8	25
136	Contrasting phenotypic plasticity in the photoprotective strategies of the invasive species Carpobrotus edulis and the coexisting native species Crithmum maritimum. Physiologia Plantarum, 2017, 160, 185-200.	5.2	25
137	Oxylipins in plastidial retrograde signaling. Redox Biology, 2020, 37, 101717.	9.0	25
138	An Enzymatically Hydrolyzed Animal Protein-Based Biostimulant (Pepton) Increases Salicylic Acid and Promotes Growth of Tomato Roots Under Temperature and Nutrient Stress. Frontiers in Plant Science, 2020, 11, 953.	3.6	25
139	Influence of plant maturity, shoot reproduction and sex on vegetative growth in the dioecious plant Urtica dioica. Annals of Botany, 2009, 104, 945-956.	2.9	24
140	Drought stress memory in the photosynthetic mechanisms of an invasive CAM species, Aptenia cordifolia. Photosynthesis Research, 2017, 131, 241-253.	2.9	24
141	Interplay between hormones and assimilates during pear development and ripening and its relationship with the fruit postharvest behaviour. Plant Science, 2020, 291, 110339.	3.6	24
142	Linking Leaf Water Potential, Photosynthesis and Chlorophyll Loss With Mechanisms of Photo- and Antioxidant Protection in Juvenile Olive Trees Subjected to Severe Drought. Frontiers in Plant Science, 2020, 11, 614144.	3.6	24
143	Differential physiological response to heat and cold stress of tomato plants and its implication on fruit quality. Journal of Plant Physiology, 2022, 268, 153581.	3.5	24
144	Ionic interactions and salinity affect monoterpene and phenolic diterpene composition in rosemary (Rosmarinus officinalis). Journal of Plant Nutrition and Soil Science, 2011, 174, 504-514.	1.9	23

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145	Death and Plasticity in Clones Influence Invasion Success. Trends in Plant Science, 2016, 21, 551-553.	8.8	23
146	<scp>ABA</scp> signalling manipulation suppresses senescence of a leafy vegetable stored at room temperature. Plant Biotechnology Journal, 2018, 16, 530-544.	8.3	23
147	Vitamin E Function in Stress Sensing and Signaling in Plants. Developmental Cell, 2019, 48, 290-292.	7.0	23
148	The aba3-1 Mutant of Arabidopsis thaliana Withstands Moderate Doses of Salt Stress by Modulating Leaf Growth and Salicylic Acid Levels. Journal of Plant Growth Regulation, 2011, 30, 456-466.	5.1	22
149	Physiological and antioxidant responses ofQuercus ilexto drought in two different seasons. Plant Biosystems, 2014, 148, 268-278.	1.6	22
150	Ecophysiological response to seasonal variations in water availability in the arborescent, endemic plant Vellozia gigantea. Tree Physiology, 2015, 35, 253-265.	3.1	22
151	Effect of drought and high solar radiation on 1-aminocyclopropane-1-carboxylic acid and abscisic acid concentrations in Rosmarinus officinalis plants. Physiologia Plantarum, 2002, 114, 380-386.	5.2	21
152	A deficiency in salicylic acid alters isoprenoid accumulation in water-stressed NahG transgenic Arabidopsis plants. Plant Science, 2007, 172, 756-762.	3.6	21
153	Perennial Roots to Immortality Â, Â Â. Plant Physiology, 2014, 166, 720-725.	4.8	21
154	Phenotypic plasticity masks rangeâ€wide genetic differentiation for vegetative but not reproductive traits in a shortâ€lived plant. Ecology Letters, 2021, 24, 2378-2393.	6.4	21
155	Influence of ionic interactions on essential oil and phenolic diterpene composition of Dalmatian sage (Salvia officinalis L.). Plant Physiology and Biochemistry, 2010, 48, 813-821.	5.8	20
156	Enhanced Phenolic Diterpenes Antioxidant Levels Through Non-transgenic Approaches. Critical Reviews in Plant Sciences, 2012, 31, 505-519.	5.7	20
157	Common and distinct responses in phytohormone and vitamin E changes during seed burial and dormancy in Xyris bialata and X.Âperegrina. Plant Biology, 2012, 14, 347-353.	3.8	20
158	Ethylene signaling cross-talk with other hormones in Arabidopsis thaliana exposed to contrasting phosphate availability: Differential effects in roots, leaves and fruits. Journal of Plant Physiology, 2018, 226, 114-122.	3.5	20
159	Cell wall structure and composition is affected by light quality in tomato seedlings. Journal of Photochemistry and Photobiology B: Biology, 2020, 203, 111745.	3.8	20
160	Melatonin triggers tissue-specific changes in anthocyanin and hormonal contents during postharvest decay of Angeleno plums. Plant Science, 2022, 320, 111287.	3.6	20
161	Meristem aging is not responsible for ageâ€related changes in growth and abscisic acid levels in the Mediterranean shrub, Cistus clusii. Plant Biology, 2008, 10, 148-155.	3.8	19
162	Antioxidant Defenses Against Drought Stress. , 2012, , 231-258.		19

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163	Abscisic acid regulates seed germination of Vellozia species in response to temperature. Plant Biology, 2017, 19, 211-216.	3.8	19
164	Linking jasmonates with pigment accumulation and photoprotection in a high-mountain endemic plant, Saxifraga longifolia. Environmental and Experimental Botany, 2018, 154, 56-65.	4.2	19
165	Ethylene and abscisic acid play a key role in modulating apple ripening after harvest and after cold-storage. Postharvest Biology and Technology, 2022, 188, 111902.	6.0	19
166	Photo- and antioxidant protection and salicylic acid accumulation during post-anthesis leaf senescence in Salvia lanigera grown under Mediterranean climate. Physiologia Plantarum, 2007, 131, 590-598.	5.2	18
167	Direct foliar absorption of rainfall water and its biological significance in dryland ecosystems. Journal of Arid Environments, 2010, 74, 417-418.	2.4	18
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169	Photoinhibition and photoprotection during flower opening in lilies. Plant Science, 2018, 272, 220-229.	3.6	18
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