Maren MÃ¼ller

List of Publications by Year
in descending order

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50 papers	2,373 citations	236925 25 h-index	214800 47 g-index
50 all docs	50 docs citations	50 times ranked	3447 citing authors

#	Article	IF	Citations
1	The Arabidopsis thaliana mRNA decay factor PAT1 functions in osmotic stress responses and decaps ABAâ€responsive genes. FEBS Letters, 2021, 595, 253-263.	2.8	9
2	Foes or Friends: ABA and Ethylene Interaction under Abiotic Stress. Plants, 2021, 10, 448.	3.5	57
3	The threshold between life and death in Cistus albidus L. seedlings: mechanisms underlying drought tolerance and resilience. Tree Physiology, 2021, 41, 1861-1876.	3.1	5
4	Hormonal impact on photosynthesis and photoprotection in plants. Plant Physiology, 2021, 185, 1500-1522.	4.8	90
5	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
6	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
7	Vitamin E in legume nodules: Occurrence and antioxidant function. Phytochemistry, 2020, 172, 112261.	2.9	8
8	Interactions between sucrose and jasmonate signalling in the response to cold stress. BMC Plant Biology, 2020, 20, 176.	3.6	16
9	Abscisic acid responses match the different patterns of autumn senescence in roots and leaves of Iris versicolor and Sparganium emersum. Environmental and Experimental Botany, 2020, 176, 104097.	4.2	3
10	Contrasting patterns of hormonal and photoprotective isoprenoids in response to stress in Cistus albidus during a Mediterranean winter. Planta, 2019, 250, 1409-1422.	3.2	6
11	Leaf Orientation as Part of the Leaf Developmental Program in the Semi-Deciduous Shrub, Cistus albidus L.: Diurnal, Positional, and Photoprotective Effects During Winter. Frontiers in Plant Science, 2019, 10, 767.	3.6	7
12	Inter-individual and sun orientation driven variability reveals antagonistic salicylate and jasmonate accumulation in white-leaved rockrose. Environmental and Experimental Botany, 2019, 162, 115-124.	4.2	4
13	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
14	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
15	Reprint to: Phosphate starvation during the transition phase increases the sex ratio and 12- oxo -phytodienoic acid contents in females of Urtica dioica. Environmental and Experimental Botany, 2018, 146, 45-53.	4.2	2
16	Phosphate starvation during the transition phase increases the sex ratio and 12- oxo -phytodienoic acid contents in females of Urtica dioica. Environmental and Experimental Botany, 2018, 145, 39-46.	4.2	8
17	MaMADS2 repression in banana fruits modifies hormone synthesis and signalling pathways prior to climacteric stage. BMC Plant Biology, 2018, 18, 267.	3.6	7
18	Haustoriumâ€“endosperm relationships and the integration between developmental pathways during reserve mobilization in Butia capitata (Arecaceae) seeds. Annals of Botany, 2018, 122, 267-277.	2.9	16

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19	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
20	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
21	Marked differences in seed dormancy in two populations of the Mediterranean shrub, Cistus albidus L.. Plant Ecology and Diversity, 2017, 10, 231-240.	2.4	13
22	Editorial: Phytohormones and the Regulation of Stress Tolerance in Plants: Current Status and Future Directions. Frontiers in Plant Science, 2017, 8, 1871.	3.6	17
23	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
24	AsA/DHA Redox Pair Influencing Plant Growth and Stress Tolerance. , 2017, , 297-319.		11
25	Hormone Profiling in Plant Tissues. Methods in Molecular Biology, 2017, 1497, 249-258.	0.9	4
26	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
27	Control of macaw palm seed germination by the gibberellin/abscisic acid balance. Plant Biology, 2015, 17, 990-996.	3.8	37
28	Ethylene Response Factors: A Key Regulatory Hub in Hormone and Stress Signaling. Plant Physiology, 2015, 169, 32-41.	4.8	557
29	Bud vigor, budburst lipid peroxidation, and hormonal changes during bud development in healthy and moribund beech (Fagus sylvatica L.) trees. Trees - Structure and Function, 2015, 29, 1781-1790.	1.9	14
30	Tissueâ€specific hormonal profiling during dormancy release in macaw palm seeds. Physiologia Plantarum, 2015, 153, 627-642.	5.2	39
31	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
32	Sex-related differences in lipid peroxidation and photoprotection in Pistacia lentiscus. Journal of Experimental Botany, 2014, 65, 1039-1049.	4.8	31
33	Glutathione and transpiration as key factors conditioning oxidative stress in Arabidopsis thaliana exposed to uranium. Planta, 2014, 239, 817-830.	3.2	32
34	Application of a Rapid and Sensitive Method for Hormonal and Vitamin E Profiling Reveals Crucial Regulatory Mechanisms in Flower Senescence and Fruit Ripening. Journal of Plant Growth Regulation, 2014, 33, 34-43.	5.1	9
35	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
36	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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37	Vitamin E and defense-related phytohormones are reliable markers of embryo growth in macaw palm fruits exposed to various storage conditions. Plant Cell, Tissue and Organ Culture, 2014, 118, 203-213.	2.3	10
38	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
39	Plant age-related changes in cytokinins, leaf growth and pigment accumulation in juvenile mastic trees. Environmental and Experimental Botany, 2013, 87, 10-18.	4.2	17
40	Photo-oxidative stress in emerging and senescing leaves: a mirror image?. Journal of Experimental Botany, 2013, 64, 3087-3098.	4.8	123
41	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
42	Hormonal cross-talk in plant development and stress responses. Frontiers in Plant Science, 2013, 4, 529.	3.6	71
43	Leaves of Fieldâ€Grown Mastic Trees Suffer Oxidative Stress at the Two Extremes of their Lifespan^F. Journal of Integrative Plant Biology, 2012, 54, 584-594.	8.5	17
44	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
45	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
46	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
47	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
48	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
49	Î±-Tocopherol may influence cellular signaling by modulating jasmonic acid levels in plants. Planta, 2007, 225, 681-691.	3.2	96
50	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