

Maren MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,373
citations

236833

25
h-index

214721

47
g-index

50
all docs

50
docs citations

50
times ranked

3447
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethylene Response Factors: A Key Regulatory Hub in Hormone and Stress Signaling. <i>Plant Physiology</i> , 2015, 169, 32-41.	2.3	557
2	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.	1.9	303
3	Photo-oxidative stress in emerging and senescing leaves: a mirror image?. <i>Journal of Experimental Botany</i> , 2013, 64, 3087-3098.	2.4	123
4	Î±-Tocopherol may influence cellular signaling by modulating jasmonic acid levels in plants. <i>Planta</i> , 2007, 225, 681-691.	1.6	96
5	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.	1.7	92
6	Hormonal impact on photosynthesis and photoprotection in plants. <i>Plant Physiology</i> , 2021, 185, 1500-1522.	2.3	90
7	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.	1.6	89
8	Hormonal cross-talk in plant development and stress responses. <i>Frontiers in Plant Science</i> , 2013, 4, 529.	1.7	71
9	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.	1.7	67
10	Foes or Friends: ABA and Ethylene Interaction under Abiotic Stress. <i>Plants</i> , 2021, 10, 448.	1.6	57
11	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.	1.6	51
12	Phenolic diterpene and Î±-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.	1.7	50
13	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.	1.2	46
14	Tissue-specific hormonal profiling during dormancy release in macaw palm seeds. <i>Physiologia Plantarum</i> , 2015, 153, 627-642.	2.6	39
15	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.	2.8	38
16	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.	3.6	38
17	Control of macaw palm seed germination by the gibberellin/abscisic acid balance. <i>Plant Biology</i> , 2015, 17, 990-996.	1.8	37
18	Glutathione and transpiration as key factors conditioning oxidative stress in <i>Arabidopsis thaliana</i> exposed to uranium. <i>Planta</i> , 2014, 239, 817-830.	1.6	32

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19	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> , 2020, 296, 110470.	1.7	32
20	Enhanced oxidative stress in the ethylene-insensitive (ein3-1) mutant of <i>Arabidopsis thaliana</i> exposed to salt stress. <i>Journal of Plant Physiology</i> , 2012, 169, 360-368.	1.6	31
21	Sex-related differences in lipid peroxidation and photoprotection in <i>Pistacia lentiscus</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 1039-1049.	2.4	31
22	Functional interplay between protein kinase CK2 and salicylic acid sustains PIN transcriptional expression and root development. <i>Plant Journal</i> , 2014, 78, 411-423.	2.8	30
23	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.	2.4	30
24	Enhanced α -tocopherol quinone levels and xanthophyll cycle de-epoxidation in rosemary plants exposed to water deficit during a Mediterranean winter. <i>Journal of Plant Physiology</i> , 2006, 163, 601-606.	1.6	29
25	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.	2.4	26
26	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.	2.6	26
27	Common and distinct responses in phytohormone and vitamin E changes during seed burial and dormancy in <i>Xyris bialata</i> and <i>X. âpregrina</i> . <i>Plant Biology</i> , 2012, 14, 347-353.	1.8	20
28	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.	1.6	20
29	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.	2.0	19
30	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.	4.1	17
31	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.	2.0	17
32	Editorial: Phytohormones and the Regulation of Stress Tolerance in Plants: Current Status and Future Directions. <i>Frontiers in Plant Science</i> , 2017, 8, 1871.	1.7	17
33	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.	1.4	16
34	Interactions between sucrose and jasmonate signalling in the response to cold stress. <i>BMC Plant Biology</i> , 2020, 20, 176.	1.6	16
35	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.	0.9	14
36	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.	1.0	13

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37	AsA/DHA Redox Pair Influencing Plant Growth and Stress Tolerance. , 2017, , 297-319.		11
38	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.	1.2	10
39	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.	2.8	9
40	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.	1.3	9
41	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.	2.0	8
42	Vitamin E in legume nodules: Occurrence and antioxidant function. <i>Phytochemistry</i> , 2020, 172, 112261.	1.4	8
43	MaMADS2 repression in banana fruits modifies hormone synthesis and signalling pathways prior to climacteric stage. <i>BMC Plant Biology</i> , 2018, 18, 267.	1.6	7
44	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.	1.7	7
45	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.	1.6	6
46	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.	1.4	5
47	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.	2.0	4
48	Hormone Profiling in Plant Tissues. <i>Methods in Molecular Biology</i> , 2017, 1497, 249-258.	0.4	4
49	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.	2.0	3
50	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.	2.0	2