Bram Van de Poel

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/305285/publications.pdf

Version: 2024-02-01

45 papers	2,304 citations	257450 24 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	2990 citing authors

#	Article	IF	Citations
1	Something old, something new: Conservation of the ethylene precursor 1-amino-cyclopropane-1-carboxylic acid as a signaling molecule. Current Opinion in Plant Biology, 2022, 65, 102116.	7.1	28
2	A semi in vivo pollination technique to assess the level of gametophytic self-incompatibility and pollen tube growth in pear (Pyrus communis L.). Plant Reproduction, 2022, 35, 127-140.	2.2	5
3	Overview of Witloof Chicory (Cichorium intybus L.) Discolorations and Their Underlying Physiological and Biochemical Causes. Frontiers in Plant Science, 2022, 13, 843004.	3.6	2
4	Is losing ethylene a losing game?. Molecular Plant, 2022, , .	8.3	1
5	Blue and far-red light control flowering time of woodland strawberry (Fragaria vesca) distinctively via CONSTANS (CO) and FLOWERING LOCUS T1 (FT1) in the background of sunlight mimicking radiation. Environmental and Experimental Botany, 2022, 198, 104866.	4.2	6
6	Ethylene Insensitive 3-Like 2 is a Brassicaceae-specific transcriptional regulator involved in fine-tuning ethylene responses in Arabidopsis thaliana. Journal of Experimental Botany, 2022, 73, 4793-4805.	4.8	3
7	The regulation of ethylene biosynthesis: a complex multilevel control circuitry. New Phytologist, 2021, 229, 770-782.	7.3	166
8	Age-Dependent Abiotic Stress Resilience in Plants. Trends in Plant Science, 2021, 26, 692-705.	8.8	60
9	A digital sensor to measure real-time leaf movements and detect abiotic stress in plants. Plant Physiology, 2021, 187, 1131-1148.	4.8	17
10	Comparative Transcriptomics and Metabolomics Reveal an Intricate Priming Mechanism Involved in PGPR-Mediated Salt Tolerance in Tomato. Frontiers in Plant Science, 2021, 12, 713984.	3.6	46
11	Expression and protein levels of ethylene receptors, CTRs and EIN2 during tomato fruit ripening as affected by 1- MCP. Postharvest Biology and Technology, 2021, 179, 111573.	6.0	14
12	The Effect of Low-Haze Diffuse Glass on Greenhouse Tomato and Bell Pepper Production and Light Distribution Properties. Plants, 2020, 9, 806.	3.5	7
13	Ethyleneâ€™s fraternal twin steals the spotlight. Nature Plants, 2020, 6, 1309-1310.	9.3	8
14	1-Aminocyclopropane-1-Carboxylic Acid Oxidase (ACO): The Enzyme That Makes the Plant Hormone Ethylene. Frontiers in Plant Science, 2019, 10, 695.	3.6	226
15	Sweet Immunity: Inulin Boosts Resistance of Lettuce (Lactuca sativa) against Grey Mold (Botrytis) Tj ETQq1 1 0.784314 rgBT /Overlock	4.1	54
16	Finding a Compatible Partner: Self-Incompatibility in European Pear (Pyrus communis); Molecular Control, Genetic Determination, and Impact on Fertilization and Fruit Set. Frontiers in Plant Science, 2019, 10, 407.	3.6	39
17	Ethylene Exerts Species-Specific and Age-Dependent Control of Photosynthesis. Plant Physiology, 2018, 176, 2601-2612.	4.8	61
18	Transcription analysis of the ethylene receptor and CTR genes in tomato: The effects of on and off-vine ripening and 1-MCP. Postharvest Biology and Technology, 2018, 140, 67-75.	6.0	35

#	Article	IF	Citations
19	Ethylene Receptors, CTRs and EIN2 Target Protein Identification and Quantification Through Parallel Reaction Monitoring During Tomato Fruit Ripening. Frontiers in Plant Science, 2018, 9, 1626.	3.6	38
20	Plant Ethylene Detection Using Laser-Based Photo-Acoustic Spectroscopy. Methods in Molecular Biology, 2017, 1573, 11-26.	0.9	4
21	The Role of Auxin-Ethylene Crosstalk in Orchestrating Primary Root Elongation in Sugar Beet. Frontiers in Plant Science, 2017, 8, 444.	3.6	13
22	Population Modeling Approach to Optimize Crop Harvest Strategy. The Case of Field Tomato. Frontiers in Plant Science, 2017, 8, 608.	3.6	7
23	Transcriptome Profiling of the Green Alga Spirogyra pratensis (Charophyta) Suggests an Ancestral Role for Ethylene in Cell Wall Metabolism, Photosynthesis, and Abiotic Stress Responses. Plant Physiology, 2016, 172, 533-545.	4.8	52
24	Moving toward Light in Response to a Gas: A Novel Cyanobacterial Ethylene Receptor. Plant Physiology, 2016, 171, 2279-2279.	4.8	0
25	<scp>FERONIA</scp> receptor kinase interacts with <scp>S</scp>â€adenosylmethionine synthetase and suppresses <scp>S</scp>â€adenosylmethionine production and ethylene biosynthesis in <scp>A</scp>rabidopsis. Plant, Cell and Environment, 2015, 38, 2566-2574.	5.7	98
26	Conservation of ethylene as a plant hormone over 450 million years of evolution. Nature Plants, 2015, 1, 14004.	9.3	207
27	Ethylene Signaling from the Endoplasmic Reticulum Membrane to the Nucleus. , 2015, , 93-108.		1
28	Abscisic acid inhibits germination and indirectly delays ethylene biosynthesis of Beta vulgaris. Seed Science and Technology, 2015, 43, 156-167.	1.4	2
29	Ethylene and Hormonal Cross Talk in Vegetative Growth and Development. Plant Physiology, 2015, 169, 61-72.	4.8	162
30	An Evolutionary Perspective on the Plant Hormone Ethylene. , 2015, , 109-134.		4
31	1-aminocyclopropane-1-carboxylic acid (ACC) in plants: more than just the precursor of ethylene!. Frontiers in Plant Science, 2014, 5, 640.	3.6	213
32	Dynamic changes of the ethylene biosynthesis in â€˜Jonagoldâ€™ apple. Physiologia Plantarum, 2014, 150, 161-173.	5.2	12
33	Tissue specific analysis reveals a differential organization and regulation of both ethylene biosynthesis and E8 during climacteric ripening of tomato. BMC Plant Biology, 2014, 14, 11.	3.6	57
34	A transcriptomicsâ€based kinetic model for ethylene biosynthesis in tomato (Solanum lycopersicum) fruit: development, validation and exploration of novel regulatory mechanisms. New Phytologist, 2014, 202, 952-963.	7.3	30
35	Ethylene is differentially regulated during sugar beet germination and affects early root growth in a dose-dependent manner. Planta, 2014, 240, 679-686.	3.2	9
36	Detached ripening of non-climacteric strawberry impairs aroma profile and fruit quality. Postharvest Biology and Technology, 2014, 95, 70-80.	6.0	33

#	Article	IF	Citations
37	Sâ€adenosylâ€<scp>l</scp>â€methionine usage during climacteric ripening of tomato in relation to ethylene and polyamine biosynthesis and transmethylation capacity. Physiologia Plantarum, 2013, 148, 176-188.	5.2	61
38	Targeted Systems Biology Profiling of Tomato Fruit Reveals Coordination of the Yang Cycle and a Distinct Regulation of Ethylene Biosynthesis during Postclimacteric Ripening Â Â Â. Plant Physiology, 2012, 160, 1498-1514.	4.8	104
39	Model-based classification of tomato fruit development and ripening related to physiological maturity. Postharvest Biology and Technology, 2012, 67, 59-67.	6.0	25
40	Kinetic modeling of firmness breakdown in â€˜Braeburnâ€™ apples stored under different controlled atmosphere conditions. Postharvest Biology and Technology, 2012, 67, 68-74.	6.0	48
41	Influence of harvest time and 1-MCP application on postharvest ripening and ethylene biosynthesis of â€˜Jonagoldâ€™ apple. Postharvest Biology and Technology, 2012, 72, 11-19.	6.0	39
42	Metabolic characterization of tomato fruit during preharvest development, ripening, and postharvest shelf-life. Postharvest Biology and Technology, 2011, 62, 7-16.	6.0	136
43	Protocol: An updated integrated methodology for analysis of metabolites and enzyme activities of ethylene biosynthesis. Plant Methods, 2011, 7, 17.	4.3	123
44	Determination of Sâ€Adenosylâ€<scp>l</scp>â€methionine in Fruits by Capillary Electrophoresis. Phytochemical Analysis, 2010, 21, 602-608.	2.4	23
45	Determination of pineapple (Ananas comosus, MD-2 hybrid cultivar) plant maturity, the efficiency of flowering induction agents and the use of activated carbon. Scientia Horticulturae, 2009, 120, 58-63.	3.6	25