

# Ernst J Woltering

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

3,877  
citations

159525

30  
h-index

128225

60  
g-index

67  
all docs

67  
docs citations

67  
times ranked

5742  
citing authors

#	ARTICLE	IF	CITATIONS
1	Many ways to exit? Cell death categories in plants. <i>Trends in Plant Science</i> , 2005, 10, 117-122.	4.3	363
2	Physiology and molecular biology of petal senescence. <i>Journal of Experimental Botany</i> , 2008, 59, 453-480.	2.4	346
3	Multiple mediators of plant programmed cell death: Interplay of conserved cell death mechanisms and plant-specific regulators. <i>BioEssays</i> , 2003, 25, 47-57.	1.2	233
4	Metacaspase-8 Modulates Programmed Cell Death Induced by Ultraviolet Light and H <sub>2</sub> O <sub>2</sub> in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2008, 283, 774-783.	1.6	213
5	Do Plant Caspases Exist?. <i>Plant Physiology</i> , 2002, 130, 1764-1769.	2.3	165
6	Histochemical and genetic analysis of host and non-host interactions of Arabidopsis with three Botrytis species: an important role for cell death control. <i>Molecular Plant Pathology</i> , 2007, 8, 41-54.	2.0	164
7	Senescence and programmed cell death: substance or semantics?. <i>Journal of Experimental Botany</i> , 2004, 55, 2147-2153.	2.4	153
8	Ethylene biosynthetic genes are differentially expressed during carnation ( <i>Dianthus caryophyllus</i> L.) flower senescence. , 1997, 34, 89-97.		144
9	A critical role for ethylene in hydrogen peroxide release during programmed cell death in tomato suspension cells. <i>Planta</i> , 2002, 214, 537-545.	1.6	141
10	A tomato metacaspase gene is upregulated during programmed cell death in Botrytis cinerea-infected leaves. <i>Planta</i> , 2003, 217, 517-522.	1.6	125
11	Chemical-induced apoptotic cell death in tomato cells: involvement of caspase-like proteases. <i>Planta</i> , 2000, 211, 656-662.	1.6	120
12	Sources of vase life variation in cut roses: A review. <i>Postharvest Biology and Technology</i> , 2013, 78, 1-15.	2.9	105
13	Death proteases come alive. <i>Trends in Plant Science</i> , 2004, 9, 469-472.	4.3	103
14	Signal transduction events in aluminum-induced cell death in tomato suspension cells. <i>Journal of Plant Physiology</i> , 2007, 164, 702-708.	1.6	71
15	Involvement of ethylene and nitric oxide in cell death in mastoparan-treated unicellular alga <i>Chlamydomonas reinhardtii</i> . <i>Cell Biology International</i> , 2010, 34, 301-308.	1.4	68
16	Applications of chitosan-based carrier as an encapsulating agent in food industry. <i>Trends in Food Science and Technology</i> , 2022, 120, 88-99.	7.8	67
17	A tomato homologue of the human protein PIRIN is induced during programmed cell death. <i>Plant Molecular Biology</i> , 2001, 46, 459-468.	2.0	63
18	Sequential fusion of information from two portable spectrometers for improved prediction of moisture and soluble solids content in pear fruit. <i>Talanta</i> , 2021, 223, 121733.	2.9	61

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19	Cadmium toxicity in cultured tomato cells—Role of ethylene, proteases and oxidative stress in cell death signaling. <i>Cell Biology International</i> , 2008, 32, 1521-1529.	1.4	56
20	Light regulates ascorbate in plants: An integrated view on physiology and biochemistry. <i>Environmental and Experimental Botany</i> , 2018, 147, 271-280.	2.0	56
21	Monochromatic red light during plant growth decreases the size and improves the functionality of stomata in chrysanthemum. <i>Functional Plant Biology</i> , 2021, 48, 515.	1.1	54
22	Rapid Tomato Volatile Profiling by Using Proton-Transfer Reaction Mass Spectrometry (PTR-MS). <i>Journal of Food Science</i> , 2012, 77, C551-9.	1.5	51
23	Mastoparan-induced programmed cell death in the unicellular alga <i>Chlamydomonas reinhardtii</i> . <i>Annals of Botany</i> , 2013, 111, 191-205.	1.4	46
24	Chilling-Induced Changes in Aroma Volatile Profiles in Tomato. <i>Food and Bioprocess Technology</i> , 2015, 8, 1442-1454.	2.6	44
25	Death proteases: alive and kicking. <i>Trends in Plant Science</i> , 2010, 15, 185-188.	4.3	42
26	Response of Basil Growth and Morphology to Light Intensity and Spectrum in a Vertical Farm. <i>Frontiers in Plant Science</i> , 2020, 11, 597906.	1.7	41
27	Xylogenesis in zinnia ( <i>Zinnia elegans</i> ) cell cultures: unravelling the regulatory steps in a complex developmental programmed cell death event. <i>Planta</i> , 2017, 245, 681-705.	1.6	39
28	What about the role of autophagy in PCD?. <i>Trends in Plant Science</i> , 2010, 15, 361-362.	4.3	36
29	Chitosan-limonene coating in combination with modified atmosphere packaging preserve postharvest quality of cucumber during storage. <i>Journal of Food Measurement and Characterization</i> , 2018, 12, 1610-1621.	1.6	36
30	Light-Induced Vitamin C Accumulation in Tomato Fruits is Independent of Carbohydrate Availability. <i>Plants</i> , 2019, 8, 86.	1.6	34
31	Nitric oxide prevents wound-induced browning and delays senescence through inhibition of hydrogen peroxide accumulation in fresh-cut lettuce. <i>Innovative Food Science and Emerging Technologies</i> , 2015, 30, 157-169.	2.7	33
32	Low temperature-induced lycopene degradation in red ripe tomato evaluated by remittance spectroscopy. <i>Postharvest Biology and Technology</i> , 2012, 73, 22-27.	2.9	32
33	Quantifying lycopene synthesis and chlorophyll breakdown in tomato fruit using remittance VIS spectroscopy. <i>Postharvest Biology and Technology</i> , 2014, 96, 53-63.	2.9	30
34	An auxin-responsive 1-aminocyclopropane-1-carboxylate synthase is responsible for differential ethylene production in gravistimulated <i>Antirrhinum majus</i> L. flower stems. <i>Planta</i> , 2005, 220, 403-413.	1.6	29
35	High Light Intensity Applied Shortly Before Harvest Improves Lettuce Nutritional Quality and Extends the Shelf Life. <i>Frontiers in Plant Science</i> , 2021, 12, 615355.	1.7	29
36	Light regulation of vitamin C in tomato fruit is mediated through photosynthesis. <i>Environmental and Experimental Botany</i> , 2019, 158, 180-188.	2.0	27

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37	Blue Light Improves Photosynthetic Performance during Healing and Acclimatization of Grafted Watermelon Seedlings. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8043.	1.8	27
38	<i>Alternaria alternata</i> AT Toxin Induces Programmed Cell Death in Tobacco. <i>Journal of Phytopathology</i> , 2009, 157, 592-601.	0.5	26
39	Regulation of Ethylene Biosynthesis in Gravistimulated <i>Kniphofia</i> (Hybrid) Flower Stalks. <i>Journal of Plant Physiology</i> , 1991, 138, 443-449.	1.6	25
40	Changes in gene expression during programmed cell death in tomato cell suspensions. <i>Plant Molecular Biology</i> , 2001, 45, 641-654.	2.0	25
41	Aroma volatile release kinetics of tomato genotypes measured by PTR-MS following artificial chewing. <i>Food Research International</i> , 2013, 54, 1579-1588.	2.9	25
42	On the prediction of the remaining vase life of cut roses. <i>Postharvest Biology and Technology</i> , 2012, 70, 42-50.	2.9	23
43	Effect of cold storage on stomatal functionality, water relations and flower performance in cut roses. <i>Postharvest Biology and Technology</i> , 2018, 136, 66-73.	2.9	23
44	The wound response in fresh-cut lettuce involves programmed cell death events. <i>Protoplasma</i> , 2018, 255, 1225-1238.	1.0	23
45	Modulation of the Tomato Fruit Metabolome by LED Light. <i>Metabolites</i> , 2020, 10, 266.	1.3	22
46	Caspase inhibitors affect the kinetics and dimensions of tracheary elements in xylogenic <i>Zinnia</i> ( <i>Zinnia</i> ) Tj ETQq0 0,0 rgBT /Overlock 10	1.6	21
47	Mango Firmness Modeling as Affected by Transport and Ethylene Treatments. <i>Frontiers in Plant Science</i> , 2018, 9, 1647.	1.7	20
48	Genotypic and phenotypic differences in fresh weight partitioning of cut rose stems: implications for water loss. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	20
49	Partial Characterization of Carnation Petal 1-Aminocyclopropane-1-Carboxylate Oxidase. <i>Journal of Plant Physiology</i> , 1994, 144, 549-554.	1.6	18
50	Identifying key wavenumbers that improve prediction of amylose in rice samples utilizing advanced wavenumber selection techniques. <i>Talanta</i> , 2021, 224, 121908.	2.9	18
51	Far-red light during cultivation induces postharvest cold tolerance in tomato fruit. <i>Postharvest Biology and Technology</i> , 2020, 159, 111019.	2.9	17
52	Establishing in vitro <i>Zinnia elegans</i> cell suspension culture with high tracheary element differentiation. <i>Cell Biology International</i> , 2009, 33, 524-533.	1.4	15
53	Handling batch-to-batch variability in portable spectroscopy of fresh fruit with minimal parameter adjustment. <i>Analytica Chimica Acta</i> , 2021, 1177, 338771.	2.6	15
54	Supplementary Light with Increased Blue Fraction Accelerates Emergence and Improves Development of the Inflorescence in <i>Aechmea</i> , <i>Guzmania</i> and <i>Vriesea</i> . <i>Horticulturae</i> , 2021, 7, 485.	1.2	15

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55	Involvement of phospholipase D-related signal transduction in chemical-induced programmed cell death in tomato cell cultures. <i>Protoplasma</i> , 2013, 250, 1169-1183.	1.0	13
56	Lack of Blue Light Regulation of Antioxidants and Chilling Tolerance in Basil. <i>Frontiers in Plant Science</i> , 2022, 13, 852654.	1.7	11
57	High light intensity at End-Of-Production improves the nutritional value of basil but does not affect postharvest chilling tolerance. <i>Food Chemistry</i> , 2022, 369, 130913.	4.2	10
58	Postharvest Spectral Light Composition Affects Chilling Injury in Anthurium Cut Flowers. <i>Frontiers in Plant Science</i> , 2020, 11, 846.	1.7	8
59	Cell death associated release of volatile organic sulphur compounds with antioxidant properties in chemical-challenged tobacco BY-2 suspension cultured cells. <i>Journal of Plant Physiology</i> , 2020, 251, 153223.	1.6	7
60	Cell death signaling and morphology in chemical-treated tobacco BY-2 suspension cultured cells. <i>Environmental and Experimental Botany</i> , 2019, 164, 157-169.	2.0	6
61	Additional Blue LED during Cultivation Induces Cold Tolerance in Tomato Fruit but Only to an Optimum. <i>Biology</i> , 2022, 11, 101.	1.3	5
62	ETHYLENE BIOSYNTHESIS, CARBOHYDRATE METABOLISM AND PHENYLALANINE AMMONIALYASE ACTIVITY IN GRAVIREACTING KNIPHOFIA FLOWER STALKS.. <i>Acta Horticulturae</i> , 1991, , 99-110.	0.1	3
63	Low Oxygen Storage Improves Tomato Postharvest Cold Tolerance, Especially for Tomatoes Cultivated with Far-Red LED Light. <i>Foods</i> , 2021, 10, 1699.	1.9	3
64	High CO2 Reduces Spoilage Caused by <i>Botrytis cinerea</i> in Strawberry Without Impairing Fruit Quality. <i>Frontiers in Plant Science</i> , 2022, 13, 842317.	1.7	2
65	Research Tools: Ethylene Detection. , 2015, , 263-286.		1
66	Cadmium-Induced Programmed Cell Death Signaling in Tomato Suspension Cells. <i>Biotechnology and Biotechnological Equipment</i> , 2009, 23, 538-541.	0.5	0