Ep Heuvelink

List of Publications by Year
in descending order

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191 papers	5,480 citations	94433 37 h-index	114465 63 g-index
191 all docs	191 docs citations	191 times ranked	3645 citing authors

#	Article	IF	Citations
1	Modelling biomass production and yield of horticultural crops: a review. Scientia Horticulturae, 1998, 74, 83-111.	3.6	364
2	Dynamic photosynthesis in different environmental conditions. Journal of Experimental Botany, 2015, 66, 2415-2426.	4.8	173
3	Flower and fruit abortion in sweet pepper in relation to source and sink strength. Journal of Experimental Botany, 2004, 55, 2261-2268.	4.8	165
4	Current status and future challenges in implementing and upscaling vertical farming systems. Nature Food, 2021, 2, 944-956.	14.0	154
5	Influence of sub-optimal temperature on tomato growth and yield: a review. Journal of Horticultural Science and Biotechnology, 2005, 80, 652-659.	1.9	148
6	Evaluation of a Dynamic Simulation Model for Tomato Crop Growth and Development. Annals of Botany, 1999, 83, 413-422.	2.9	137
7	Enhancement of crop photosynthesis by diffuse light: quantifying the contributing factors. Annals of Botany, 2014, 114, 145-156.	2.9	131
8	Vertical Farming: Moving from Genetic to Environmental Modification. Trends in Plant Science, 2020, 25, 724-727.	8.8	109
9	Dry Matter Partitioning in Tomato: Validation of a Dynamic Simulation Model. Annals of Botany, 1996, 77, 71-80.	2.9	107
10	Physiological and Morphological Changes Over the Past 50 Years in Yield Components in Tomato. Journal of the American Society for Horticultural Science, 2009, 134, 460-465.	1.0	103
11	Adding Blue to Red Supplemental Light Increases Biomass and Yield of Greenhouse-Grown Tomatoes, but Only to an Optimum. Frontiers in Plant Science, 2018, 9, 2002.	3.6	100
12	A comprehensive analysis of the physiological and anatomical components involved in higher water loss rates after leaf development at high humidity. Journal of Plant Physiology, 2013, 170, 890-898.	3.5	93
13	Growth, development and yield of a tomato crop: periodic destructive measurements in a greenhouse. Scientia Horticulturae, 1995, 61, 77-99.	3.6	92
14	A single locus confers tolerance to continuous light and allows substantial yield increase in tomato. Nature Communications, 2014, 5, 4549.	12.8	83
15	Effect of fruit load on dry matter partitioning in tomato. Scientia Horticulturae, 1997, 69, 51-59.	3.6	77
16	Influence of Sink-Source Interaction on Dry Matter Production in Tomato. Annals of Botany, 1995, 75, 381-389.	2.9	76
17	Postharvest water relations in cut rose cultivars with contrasting sensitivity to high relative air humidity during growth. Postharvest Biology and Technology, 2012, 64, 64-73.	6.0	76
18	Metabolic and diffusional limitations of photosynthesis in fluctuating irradiance in Arabidopsis thaliana. Scientific Reports, 2016, 6, 31252.	3.3	76

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19	Photosynthetic induction and its diffusional, carboxylation and electron transport processes as affected by CO₂partial pressure, temperature, air humidity and blue irradiance. Annals of Botany, 2017, 119, 191-205.	2.9	73
20	Influence of day and night temperature on the growth of young tomato plants. Scientia Horticulturae, 1989, 38, 11-22.	3.6	67
21	Avoiding high relative air humidity during critical stages of leaf ontogeny is decisive for stomatal functioning. Physiologia Plantarum, 2011, 142, 274-286.	5.2	65
22	Blue and red LED lighting effects on plant biomass, stomatal conductance, and metabolite content in nine tomato genotypes. Acta Horticulturae, 2016, , 251-258.	0.2	64
23	HORTICULTURAL LIGHTING IN THE NETHERLANDS: NEW DEVELOPMENTS. Acta Horticulturae, 2006, , 25-34.	0.2	60
24	Parthenocarpic Fruit Growth Reduces Yield Fluctuation and Blossom-end Rot in Sweet Pepper. Annals of Botany, 2001, 88, 69-74.	2.9	58
25	Effect of Day and Night Temperature on Internode and Stem Length in Chrysanthemum: Is Everything Explained by DIF?. Annals of Botany, 2002, 90, 111-118.	2.9	58
26	Dry matter partitioning in a tomato plant: one common assimilate pool?. Journal of Experimental Botany, 1995, 46, 1025-1033.	4.8	56
27	Dry Matter Production in a Tomato Crop: Measurements and Simulation. Annals of Botany, 1995, 75, 369-379.	2.9	55
28	EFFECT OF LEAF AREA ON TOMATO YIELD. Acta Horticulturae, 2005, , 43-50.	0.2	55
29	Far-red radiation increases dry mass partitioning to fruits but reduces Botrytis cinerea resistance in tomato. Environmental and Experimental Botany, 2019, 168, 103889.	4.2	51
30	Farâ€red radiation stimulates dry mass partitioning to fruits by increasing fruit sink strength in tomato. New Phytologist, 2020, 228, 1914-1925.	7.3	51
31	CLIMATE AND YIELD IN A CLOSED GREENHOUSE. Acta Horticulturae, 2008, , 1083-1092.	0.2	48
32	Dry-matter production in a tomato crop: comparison of two simulation models. The Journal of Horticultural Science, 1993, 68, 995-1011.	0.3	47
33	THE BIOLOGICAL SHIFT FACTOR: BIOLOGICAL AGE AS A TOOL FOR MODELLING IN PRE- AND POSTHARVEST HORTICULTURE. Acta Horticulturae, 2005, , 39-46.	0.2	47
34	Quantifying the sourceÃ¢â‚¬â€œsink balance and carbohydrate content in three tomato cultivars. Frontiers in Plant Science, 2015, 6, 416.	3.6	47
35	DRY MATTER DISTRIBUTION IN TOMATO AND CUCUMBER. Acta Horticulturae, 1989, , 149-180.	0.2	44
36	Dry-matter partitioning in a tomato crop: Comparison of two simulation models. The Journal of Horticultural Science, 1994, 69, 885-903.	0.3	43

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37	A knowledge-and-data-driven modeling approach for simulating plant growth: A case study on tomato growth. Ecological Modelling, 2015, 312, 363-373.	2.5	41
38	Plant Factories Are Heating Up: Hunting for the Best Combination of Light Intensity, Air Temperature and Root-Zone Temperature in Lettuce Production. Frontiers in Plant Science, 2020, 11, 592171.	3.6	41
39	MODELLING DRY MATTER PRODUCTION AND PARTITIONING IN SWEET PEPPER. Acta Horticulturae, 2006, , 121-128.	0.2	38
40	Elevated CO2 increases photosynthesis in fluctuating irradiance regardless of photosynthetic induction state. Journal of Experimental Botany, 2017, 68, 5629-5640.	4.8	38
41	Differences in N uptake and fruit quality between organically and conventionally grown greenhouse tomatoes. Agronomy for Sustainable Development, 2010, 30, 797-806.	5.3	37
42	HORTISIM: A MODEL FOR GREENHOUSE CROPS AND GREENHOUSE CLIMATE. Acta Horticulturae, 1998, , 441-450.	0.2	36
43	The influence of temperature on growth and development of chrysanthemum cultivars. Journal of Horticultural Science and Biotechnology, 2006, 81, 174-182.	1.9	35
44	Abortion of reproductive organs in sweet pepper (Capsicum annuumL.): a review. Journal of Horticultural Science and Biotechnology, 2009, 84, 467-475.	1.9	35
45	The tuberization signal StSP6A represses flower bud development in potato. Journal of Experimental Botany, 2019, 70, 937-948.	4.8	35
46	Towards delivering on the sustainable development goals in greenhouse production systems. Resources, Conservation and Recycling, 2021, 169, 105379.	10.8	35
47	Factors affecting the number of leaves preceding the first inflorescence in the tomato. The Journal of Horticultural Science, 1992, 67, 1-10.	0.3	33
48	Daily Temperature Integration: a Simulation Study to quantify Energy Consumption. Biosystems Engineering, 2004, 87, 333-343.	4.3	33
49	Antitranspirant compounds alleviate the mild-desiccation-induced reduction of vase life in cut roses. Postharvest Biology and Technology, 2016, 117, 110-117.	6.0	33
50	Genetic differences in fruit-set patterns are determined by differences in fruit sink strength and a source : sink threshold for fruit set. Annals of Botany, 2009, 104, 957-964.	2.9	32
51	A virtual plant that responds to the environment like a real one: the case for chrysanthemum. New Phytologist, 2012, 195, 384-395.	7.3	32
52	Influence of light on the growth of young tomato, cucumber and sweet pepper plants in the greenhouse: Effects on relative growth rate, net assimilation rate and leaf area ratio. Scientia Horticulturae, 1987, 31, 161-174.	3.6	31
53	A dynamic model of tomato fruit growth integrating cell division, cell growth and endoreduplication. Functional Plant Biology, 2013, 40, 1098.	2.1	31
54	Spatial heterogeneity in stomatal features during leaf elongation: an analysis using Rosa hybrida. Functional Plant Biology, 2015, 42, 737.	2.1	31

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55	Root-to-shoot ABA signaling does not contribute to genotypic variation in stomatal functioning induced by high relative air humidity. Environmental and Experimental Botany, 2016, 123, 13-21.	4.2	31
56	Effect of electrical conductivity, fruit pruning, and truss position on quality in greenhouse tomato fruit. Journal of Horticultural Science and Biotechnology, 2007, 82, 488-494.	1.9	30
57	NEW DEVELOPMENTS IN GREENHOUSE TECHNOLOGY CAN MITIGATE THE WATER SHORTAGE PROBLEM OF THE 21ST CENTURY. Acta Horticulturae, 2008, , 45-52.	0.2	30
58	Adding Far-Red to Red-Blue Light-Emitting Diode Light Promotes Yield of Lettuce at Different Planting Densities. Frontiers in Plant Science, 2020, 11, 609977.	3.6	30
59	Concepts of Modelling Carbon Allocation Among Plant Organs. , 2007, , 103-111.		30
60	HOW TO REDUCE YIELD FLUCTUATIONS IN SWEET PEPPER?. Acta Horticulturae, 2004, , 349-355.	0.2	29
61	Responses of two Anthurium cultivars to high daily integrals of diffuse light. Scientia Horticulturae, 2014, 179, 306-313.	3.6	28
62	QTL analysis for stomatal functioning in tetraploid RosaÂÃ—Âhybrida grown at high relative air humidity and its implications on postharvest longevity. Molecular Breeding, 2015, 35, 1.	2.1	28
63	Breeding for a more energy efficient greenhouse tomato: past and future perspectives. Euphytica, 2007, 158, 129-138.	1.2	27
64	Plant Growth Models. , 2008, , 2824-2837.		27
65	Light mediated regulation of cell division, endoreduplication and cell expansion. Environmental and Experimental Botany, 2016, 121, 39-47.	4.2	27
66	Acclimation of photosynthesis to lightflecks in tomato leaves: interaction with progressive shading in a growing canopy. Physiologia Plantarum, 2018, 162, 506-517.	5.2	27
67	Productivity of a building-integrated roof top greenhouse in a Mediterranean climate. Agricultural Systems, 2017, 158, 14-22.	6.1	26
68	Influence of assimilate supply on leaf formation in sweet pepper and tomato. The Journal of Horticultural Science, 1996, 71, 405-414.	0.3	25
69	Influence of greenhouse climate and plant density on external quality of chrysanthemum (Dendranthema grandiflorum(Ramat.) Kitamura): First steps towards a quality model. Journal of Horticultural Science and Biotechnology, 2001, 76, 249-258.	1.9	25
70	Effect of assimilate availability on flower characteristics and plant height of cut chrysanthemum: an integrated study. Journal of Horticultural Science and Biotechnology, 2003, 78, 711-720.	1.9	25
71	Genetic and QTL analyses of yield and a set of physiological traits in pepper. Euphytica, 2013, 190, 181-201.	1.2	25
72	What drives fruit growth?. Functional Plant Biology, 2015, 42, 817.	2.1	25

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73	TOMATO YIELD IN A CLOSED GREENHOUSE AND COMPARISON WITH SIMULATED YIELDS IN CLOSED AND CONVENTIONAL GREENHOUSES. Acta Horticulturae, 2005, , 549-552.	0.2	24
74	Auxin-induced Fruit Set in Capsicum annuum L. Requires Downstream Gibberellin Biosynthesis. Journal of Plant Growth Regulation, 2012, 31, 570-578.	5.1	24
75	Physiological and morphological changes during early and later stages of fruit growth in Capsicum annuum. Physiologia Plantarum, 2013, 147, 396-406.	5.2	24
76	Effect of temperature on biomass allocation in tomato (Lycopersicon esculentum). Physiologia Plantarum, 1995, 94, 447-452.	5.2	23
77	SIMULATING GROWTH AND DEVELOPMENT OF TOMATO CROP. Acta Horticulturae, 2009, , 101-110.	0.2	23
78	CONTINUOUS LIGHT AS A WAY TO INCREASE GREENHOUSE TOMATO PRODUCTION: EXPECTED CHALLENGES. Acta Horticulturae, 2012, , 51-57.	0.2	23
79	Growth response and radiation use efficiency in tomato exposed to short-term and long-term salinized soils. Scientia Horticulturae, 2015, 189, 139-149.	3.6	23
80	Effect of plant density on biomass allocation to the fruits in tomato (Lycopersicon esculentum Mill.). Scientia Horticulturae, 1995, 64, 193-201.	3.6	22
81	Simulation of fruit-set and trophic competition and optimization of yield advantages in six Capsicum cultivars using functionalâ€“structural plant modelling. Annals of Botany, 2011, 107, 793-803.	2.9	22
82	Simulation of Leaf Area Development Based on Dry Matter Partitioning and Specific Leaf Area for Cut Chrysanthemum. Annals of Botany, 2003, 91, 319-327.	2.9	21
83	Quantification of temperature, CO₂, and light effects on crop photosynthesis as a basis for model-based greenhouse climate control. Journal of Horticultural Science and Biotechnology, 2009, 84, 233-239.	1.9	21
84	A growth analysis study of three Achimenes cultivars grown under three light regimes. Scientia Horticulturae, 1991, 46, 275-282.	3.6	20
85	Temperature affectsChrysanthemumflower characteristics differently during three phases of the cultivation period. Journal of Horticultural Science and Biotechnology, 2005, 80, 209-216.	1.9	20
86	Parthenocarpic potential in Capsicum annuumL. is enhanced by carpelloid structures and controlled by a single recessive gene. BMC Plant Biology, 2011, 11, 143.	3.6	20
87	High Stomatal Conductance in the Tomato Flacca Mutant Allows for Faster Photosynthetic Induction. Frontiers in Plant Science, 2020, 11, 1317.	3.6	20
88	Model Selection for Nondestructive Quantification of Fruit Growth in Pepper. Journal of the American Society for Horticultural Science, 2012, 137, 71-79.	1.0	20
89	CALIBRATION AND VALIDATION OF COMPLEX AND SIMPLIFIED TOMATO GROWTH MODELS FOR CONTROL PURPOSES IN THE SOUTHEAST OF SPAIN. Acta Horticulturae, 2004, , 147-154.	0.2	19
90	Elevated air movement enhances stomatal sensitivity to abscisic acid in leaves developed at high relative air humidity. Frontiers in Plant Science, 2015, 6, 383.	3.6	19

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91	Introduction: the tomato crop and industry.. , 2005, , 1-19.		19
92	Fruit Set and Yield Patterns in Six Capsicum Cultivars. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1296-1301.	1.0	19
93	Response of Cell Division and Cell Expansion to Local Fruit Heating in Tomato Fruit. Journal of the American Society for Horticultural Science, 2012, 137, 294-301.	1.0	19
94	Re-interpretation of an Experiment on the Role of Assimilated Transport Resistance in Partitioning in Tomato. Annals of Botany, 1996, 78, 467-470.	2.9	17
95	Pithiness and Growth of Radish Tubers as Affected by Irradiance and Plant Density. Annals of Botany, 1997, 79, 397-402.	2.9	17
96	SALINITY EFFECTS ON FRUIT YIELD IN VEGETABLE CROPS: A SIMULATION STUDY. Acta Horticulturae, 2003, , 133-140.	0.2	17
97	BREEDING CUT ROSES FOR BETTER KEEPING QUALITY: FIRST STEPS. Acta Horticulturae, 2012, , 875-882.	0.2	17
98	Effects of Diffuse Light on Radiation Use Efficiency of Two Anthurium Cultivars Depend on the Response of Stomatal Conductance to Dynamic Light Intensity. Frontiers in Plant Science, 2016, 7, 56.	3.6	17
99	MODELLING NUTRIENT UPTAKE OF SWEET PEPPER. Acta Horticulturae, 2005, , 285-292.	0.2	16
100	BUILDING VIRTUAL CHRYSANTHEMUM BASED ON SINK-SOURCE RELATIONSHIPS: PRELIMINARY RESULTS. Acta Horticulturae, 2006, , 129-136.	0.2	16
101	ANATOMY AND MORPHOLOGY OF ROOTING IN LEAFY ROSE STEM CUTTINGS AND STARCH DYNAMICS FOLLOWING SEVERANCE. Acta Horticulturae, 2007, , 495-502.	0.2	16
102	Crop management impacts the efficiency of quantitative trait loci (QTL) detection and use: case study of fruit loadÃ—QTL interactions. Journal of Experimental Botany, 2014, 65, 11-22.	4.8	16
103	MODELLING FRUIT SET, FRUIT GROWTH AND DRY MATTER PARTITIONING. Acta Horticulturae, 1999, , 39-50.	0.2	15
104	THE LATEST DEVELOPMENTS IN THE LIGHTING TECHNOLOGIES IN DUTCH HORTICULTURE. Acta Horticulturae, 2002, , 35-42.	0.2	15
105	Effects of planting date and plant density on crop growth of cut chrysanthemum. Journal of Horticultural Science and Biotechnology, 2002, 77, 238-247.	1.9	15
106	Light use efficiency of lettuce cultivation in vertical farms compared with greenhouse and field. Food and Energy Security, 2023, 12, .	4.3	15
107	Modelling of Temperature-controlled Internode Elongation Applied to Chrysanthemum. Annals of Botany, 2002, 90, 353-359.	2.9	14
108	Title is missing!. Plant and Soil, 2002, 243, 161-171.	3.7	14

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109	Coupling Process-Based Models and Plant Architectural Models: A Key Issue for Simulating Crop Production. , 2009, , 130-147.		14
110	INNOVATION IN PLANT-GREENHOUSE INTERACTIONS AND CROP MANAGEMENT. Acta Horticulturae, 2008, , 63-74.	0.2	12
111	Quantifying abortion rates of reproductive organs and effects of contributing factors using time-to-event analysis. Functional Plant Biology, 2011, 38, 431.	2.1	12
112	Evaluation of diel patterns of relative changes in cell turgor of tomato plants using leaf patch clamp pressure probes. Physiologia Plantarum, 2012, 146, 439-447.	5.2	12
113	A multilevel analysis of fruit growth of two tomato cultivars in response to fruit temperature. Physiologia Plantarum, 2015, 153, 403-418.	5.2	12
114	Dry mass production and leaf area development of field-grown ornamental conifers: measurements and simulation. Agricultural Systems, 2003, 78, 337-353.	6.1	11
115	MODELLING PRODUCT QUALITY IN HORTICULTURE: AN OVERVIEW. Acta Horticulturae, 2004, , 19-30.	0.2	11
116	Floral Induction in the Short-Day Plant Chrysanthemum Under Blue and Red Extended Long-Days. Frontiers in Plant Science, 2020, 11, 610041.	3.6	11
117	Fruit illumination stimulates cell division but has no detectable effect on fruit size in tomato (Solanum lycopersicum). Physiologia Plantarum, 2015, 154, 114-127.	5.2	10
118	Estimation of tomato yield gaps for greenhouse in Uruguay. Scientia Horticulturae, 2020, 265, 109250.	3.6	10
119	TWO INSTEAD OF THREE LEAVES BETWEEN TOMATO TRUSSES: MEASURED AND SIMULATED EFFECTS ON PARTITIONING AND YIELD. Acta Horticulturae, 2004, , 303-308.	0.2	9
120	SELECTION OF SWEET PEPPER (CAPSICUM ANNUUM L.) GENOTYPES FOR PARTHENOCARPIC FRUIT GROWTH. Acta Horticulturae, 2007, , 135-140.	0.2	9
121	CULTIVAR DIFFERENCES IN THE STOMATAL CHARACTERISTICS OF CUT ROSES GROWN AT HIGH RELATIVE HUMIDITY. Acta Horticulturae, 2009, , 251-258.	0.2	9
122	Histological and molecular investigation of the basis for variation in tomato fruit size in response to fruit load and genotype. Functional Plant Biology, 2012, 39, 754.	2.1	9
123	High light accelerates potato flowering independently of the FT-like flowering signal StSP3D. Environmental and Experimental Botany, 2019, 160, 35-44.	4.2	9
124	LED and HPS Supplementary Light Differentially Affect Gas Exchange in Tomato Leaves. Plants, 2021, 10, 810.	3.5	9
125	WATER AND NUTRIENT UPTAKE OF SWEET PEPPER AND TOMATO AS (UN) AFFECTED BY WATERING REGIME AND SALINITY. Acta Horticulturae, 2003, , 591-597.	0.2	9
126	COMBINED EFFECTS OF LIGHT AND TEMPERATURE ON PRODUCT QUALITY OF KALANCHOE BLOSSFELDIANA. Acta Horticulturae, 2006, , 121-126.	0.2	8

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127	Public multi-criteria assessment for societal concerns and gradual labelling. Food Policy, 2013, 40, 97-108.	6.0	8
128	Gene expression and physiological responses associated to stomatal functioning in RosaÃ—hybrida grown at high relative air humidity. Plant Science, 2016, 253, 154-163.	3.6	8
129	Row orientation affects the uniformity of light absorption, but hardly affects crop photosynthesis in hedgerow tomato crops. In Silico Plants, 2021, 3, .	1.9	8
130	Crop growth and yield.. , 2018, , 89-136.		8
131	LIGHT ON CUT CHRYSANTHEMUM: MEASUREMENT AND SIMULATION OF CROP GROWTH AND YIELD. Acta Horticulturae, 2002, , 197-202.	0.2	7
132	NUTRIENT SUPPLY IN SOILLESS CULTURE: ON-DEMAND STRATEGIES. Acta Horticulturae, 2004, , 533-540.	0.2	7
133	SURVIVAL ANALYSIS OF FLOWER AND FRUIT ABORTION IN SWEET PEPPER. Acta Horticulturae, 2007, , 617-624.	0.2	7
134	DECISION SUPPORT FOR OPTIMISING ENERGY CONSUMPTION IN EUROPEAN GREENHOUSES. Acta Horticulturae, 2008, , 803-810.	0.2	7
135	Green light reduces elongation when partially replacing sole blue light independently from cryptochrome 1a. Physiologia Plantarum, 2021, 173, 1946-1955.	5.2	7
136	MODELLING EXTERNAL QUALITY OF CUT CHRYSANTHEMUM: ACHIEVEMENTS AND LIMITATIONS. Acta Horticulturae, 2004, , 287-294.	0.2	7
137	WILD RELATIVES AS A SOURCE FOR SUB-OPTIMAL TEMPERATURE TOLERANCE IN TOMATO. Acta Horticulturae, 2007, , 127-133.	0.2	7
138	Four Hypotheses to Explain Axillary Budbreak after Removal of Flower Shoots in a Cut-rose Crop. Journal of the American Society for Horticultural Science, 2013, 138, 243-252.	1.0	7
139	Effects of Green Light on Elongation Do Not Interact with Far-Red, Unless the Phytochrome Photostationary State (PSS) Changes in Tomato. Biology, 2022, 11, 151.	2.8	7
140	Role of sink-source relationships in chrysanthemum flower size and total biomass production. Physiologia Plantarum, 2006, 128, 263-273.	5.2	6
141	Moderate salinity improves stomatal functioning in rose plants grown at high relative air humidity. Environmental and Experimental Botany, 2017, 143, 1-9.	4.2	6
142	Yield dissection models to improve yield: a case study in tomato. In Silico Plants, 2021, 3, .	1.9	6
143	ECONOMIC EVALUATION OF CROP PHOTOSYNTHESIS. Acta Horticulturae, 1993, , 219-228.	0.2	6
144	A CONCEPTUAL DYNAMIC MODEL FOR EXTERNAL QUALITY IN KALANCHOE. Acta Horticulturae, 2004, , 263-270.	0.2	6

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145	Axillary Budbreak in a Cut Rose Crop as Influenced by Light Intensity and Red:far-red Ratio at Bud Level. Journal of the American Society for Horticultural Science, 2014, 139, 131-138.	1.0	6
146	INTERACTIVE EFFECTS OF DURATION OF LONG-DAY PERIOD AND PLANT DENSITY ON EXTERNAL QUALITY OF CUT CHRYSANTHEMUM. Acta Horticulturae, 2003, , 335-342.	0.2	5
147	Sustainable crop production in greenhouses based on understanding crop physiology. Acta Horticulturae, 2018, , 1-12.	0.2	5
148	An analysis of simulated yield data for pepper shows how genotype Ã— environment interaction in yield can be understood in terms of yield components and their QTLs. Crop Science, 2021, 61, 1826-1842.	1.8	5
149	PHOTOSYNTHESIS DRIVEN CROP GROWTH MODELS FOR GREENHOUSE CULTIVATION: ADVANCES AND BOTTLE-NECKS. Acta Horticulturae, 1996, , 9-22.	0.2	5
150	A SIMULATION STUDY ON THE INTERACTIVE EFFECTS OF RADIATION AND PLANT DENSITY ON GROWTH OF CUT CHRYSANTHEMUM. Acta Horticulturae, 2002, , 151-157.	0.2	5
151	MODELLING GROWTH OF THE PRIMARY SHOOT OF ROSE. Acta Horticulturae, 2004, , 279-286.	0.2	4
152	PLANT HEIGHT FORMATION IN DIFFERENT CULTIVARS OF KALANCHOE. Acta Horticulturae, 2005, , 83-90.	0.2	4
153	A FUNCTIONAL-STRUCTURAL MODEL OF CHRYSANTHEMUM FOR PREDICTION OF ORNAMENTAL QUALITY. Acta Horticulturae, 2006, , 59-66.	0.2	4
154	EFFECT OF RELATIVE AIR HUMIDITY ON THE STOMATAL FUNCTIONALITY IN FULLY DEVELOPED LEAVES. Acta Horticulturae, 2010, , 83-88.	0.2	4
155	Regulating flower and tuber formation in potato with light spectrum and day length. Acta Horticulturae, 2016, , 267-276.	0.2	4
156	Coincidence of potato CONSTANS (StCOL1) expression and light cannot explain nightâ€break repression of tuberization. Physiologia Plantarum, 2019, 167, 250-263.	5.2	4
157	MODEL APPLICATION IN HORTICULTURAL PRACTICE: SUMMARY OF DISCUSSION GROUPS. Acta Horticulturae, 1998, , 533-534.	0.2	4
158	MODELLING VISUAL PRODUCT QUALITY IN CUT CHRYSANTHEMUM. Acta Horticulturae, 2001, , 77-84.	0.2	4
159	Variation Between Cut Chrysanthemum Cultivars in Response to Suboptimal Temperature. Journal of the American Society for Horticultural Science, 2007, 132, 52-59.	1.0	4
160	Genetic mapping of the tomato quality traits brix and blossom-end rot under supplemental LED and HPS lighting conditions. Euphytica, 2021, 217, 1.	1.2	4
161	EFFECT OF LIGHT INTENSITY, PLANT DENSITY, AND FLOWER BUD REMOVAL ON THE FLOWER SIZE AND NUMBER IN CUT CHRYSANTHEMUM. Acta Horticulturae, 2002, , 33-38.	0.2	3
162	New Non-invasive Tools for Early Plant Stress Detection. Procedia Environmental Sciences, 2015, 29, 249-250.	1.4	3

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163	Functional-Structural Modelling of Chrysanthemum. , 2007, , 199-208.		3
164	STOCHASTIC DYNAMIC SIMULATION OF FRUIT ABORTION: A CASE STUDY OF SWEET PEPPER. Acta Horticulturae, 2011, , 765-772.	0.2	3
165	Flowering of tomato in vivo and in vitro in relation to the original position of the axillary bud on the main axis. Scientia Horticulturae, 1994, 59, 55-60.	3.6	2
166	Modeling the Growth of Inflorescence. , 2009, , .		2
167	Parameter Estimation and Growth Variation Analysis in Six Capsicum Cultivars with the Functional-Structural Model GreenLab. , 2009, , .		2
168	Physiological Processes Affected by Low Night Temperatures in Sweet Pepper Plants. Procedia Environmental Sciences, 2015, 29, 253-254.	1.4	2
169	Propagation by Cuttings â˜† . , 2017, , .		2
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