

Marie-Christine Van Labeke

List of Publications by Year in descending order

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86
papers

1,863
citations

279798

23
h-index

315739

38
g-index

86
all docs

86
docs citations

86
times ranked

2196
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of nitrogen deficiency on leaf photosynthesis, carbohydrate status and biomass production in two olive cultivars "Meski"™ and "Koroneiki"™. <i>Scientia Horticulturae</i> , 2010, 123, 336-342.	3.6	189
2	Long-Term Effects of Red- and Blue-Light Emitting Diodes on Leaf Anatomy and Photosynthetic Efficiency of Three Ornamental Pot Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 917.	3.6	125
3	Influence of ploidy level on morphology, growth and drought susceptibility in <i>Spathiphyllum wallisii</i> . <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1149-1156.	2.1	109
4	Salt stress affects germination, seedling growth and physiological responses differentially in eggplant cultivars (<i>Solanum melongena</i> L.). <i>Scientia Horticulturae</i> , 2018, 228, 56-65.	3.6	78
5	Mineral and organic growing media have distinct community structure, stability and functionality in soilless culture systems. <i>Scientific Reports</i> , 2016, 6, 18837.	3.3	72
6	Detailed analysis of double girdling effects on stem diameter variations and sap flow in young oak trees. <i>Environmental and Experimental Botany</i> , 2010, 68, 149-156.	4.2	60
7	Chlorophyll fluorescence as a tool for evaluation of drought stress in strawberry. <i>Photosynthetica</i> , 2008, 46, 631-633.	1.7	52
8	Pesticide knowledge and practice among horticultural workers in the Lâm Đồng region, Vietnam: A case study of chrysanthemum and strawberries. <i>Science of the Total Environment</i> , 2016, 550, 1001-1009.	8.0	50
9	Chrysanthemum morphology, photosynthetic efficiency and antioxidant capacity are differentially modified by light quality. <i>Journal of Plant Physiology</i> , 2017, 213, 66-74.	3.5	50
10	Growing media constituents determine the microbial nitrogen conversions in organic growing media for horticulture. <i>Microbial Biotechnology</i> , 2016, 9, 389-399.	4.2	42
11	In vitro induction of tetraploids in ornamental <i>Ranunculus</i> . <i>Euphytica</i> , 2009, 168, 33-40.	1.2	38
12	High oxygen atmospheres can induce russet spotting development in minimally processed iceberg lettuce. <i>Postharvest Biology and Technology</i> , 2015, 100, 168-175.	6.0	38
13	In vitro polyploidisation of <i>Helleborus</i> species. <i>Euphytica</i> , 2009, 165, 89-95.	1.2	32
14	Application of chlorophyll fluorescence to screen eggplant (<i>Solanum melongena</i> L.) cultivars for salt tolerance. <i>Photosynthetica</i> , 2014, 52, 57-62.	1.7	32
15	The Variable Effect of Polyploidization on the Phenotype in <i>Escallonia</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 354.	3.6	32
16	Effect of spray application technique on spray deposition in greenhouse strawberries and tomatoes. <i>Pest Management Science</i> , 2010, 66, 203-212.	3.4	31
17	Influence of Spray Application Technique on Spray Deposition in Greenhouse Ivy Pot Plants Grown on Hanging Shelves. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 1921-1927.	1.0	30
18	Tomato plants rather than fertilizers drive microbial community structure in horticultural growing media. <i>Scientific Reports</i> , 2019, 9, 9561.	3.3	29

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19	LED light quality intensifies leaf pigmentation in ornamental pot plants. <i>Scientia Horticulturae</i> , 2019, 253, 270-275.	3.6	29
20	Leaf age and light quality influence the basal resistance against <i>Botrytis cinerea</i> in strawberry leaves. <i>Environmental and Experimental Botany</i> , 2019, 157, 35-45.	4.2	29
21	Red Light Is Effective in Reducing Nitrate Concentration in Rocket by Increasing Nitrate Reductase Activity, and Contributes to Increased Total Glucosinolates Content. <i>Frontiers in Plant Science</i> , 2020, 11, 604.	3.6	27
22	Optimization of horse chestnut (<i>Aesculus hippocastanum</i> L.) somatic embryo conversion. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 98, 115-123.	2.3	26
23	Effects of different irradiation levels of light quality on <i>Chrysanthemum</i> . <i>Scientia Horticulturae</i> , 2018, 233, 124-131.	3.6	26
24	Salt Stress Induced Changes in Photosynthesis and Metabolic Profiles of One Tolerant (‘Bonica’™) and One Sensitive (‘Black Beauty’™) Eggplant Cultivars (<i>Solanum melongena</i> L.). <i>Plants</i> , 2022, 11, 590.	3.5	26
25	Seasonal changes in cold hardiness and carbohydrate metabolism in four garden rose cultivars. <i>Journal of Plant Physiology</i> , 2019, 232, 188-199.	3.5	25
26	Variation in biochemical characteristics, water status, stomata features, leaf carbon isotope composition and its relationship to water use efficiency in pistachio (<i>Pistacia vera</i> L.) cultivars under drought stress condition. <i>Scientia Horticulturae</i> , 2016, 211, 158-166.	3.6	24
27	Adventitious rooting of <i>Chrysanthemum</i> is stimulated by a low red:far-red ratio. <i>Journal of Plant Physiology</i> , 2019, 236, 117-123.	3.5	24
28	Phenotypic Variation of <i>Botrytis cinerea</i> Isolates Is Influenced by Spectral Light Quality. <i>Frontiers in Plant Science</i> , 2020, 11, 1233.	3.6	23
29	Nondestructive determination of nitrogen and chlorophyll content in olive tree leaves and the relation with photosynthesis and fluorescence parameters. <i>Photosynthetica</i> , 2011, 49, 149-153.	1.7	20
30	Physiological responses and aquaporin expression upon drought and osmotic stress in a conservative vs prodigal <i>Fragaria x ananassa</i> cultivar. <i>Plant Physiology and Biochemistry</i> , 2019, 145, 95-106.	5.8	20
31	High Light Intensity from Blue-Red LEDs Enhance Photosynthetic Performance, Plant Growth, and Optical Properties of Red Lettuce in Controlled Environment. <i>Horticulturae</i> , 2022, 8, 114.	2.8	20
32	Pollen morphology as fertility predictor in hybrid tea roses. <i>Euphytica</i> , 2011, 178, 203-214.	1.2	19
33	Interspecific hybridization in <i>Sarcococca</i> supported by analysis of ploidy level, genome size and genetic relationships. <i>Euphytica</i> , 2017, 213, 1.	1.2	18
34	Cold storage to overcome dormancy affects the carbohydrate status and photosynthetic capacity of <i>Podocarpus neriifolius</i> . <i>Plant Biology</i> , 2015, 17, 97-105.	3.8	17
35	Histogenic analysis of chemically induced mixoploids in <i>Spathiphyllum wallisii</i> . <i>Euphytica</i> , 2010, 174, 61-72.	1.2	16
36	Spectral quality of monochromatic LED affects photosynthetic acclimation to high intensity sunlight of <i>Chrysanthemum</i> and <i>Spathiphyllum</i> . <i>Physiologia Plantarum</i> , 2020, 169, 10-26.	5.2	16

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37	Diurnal cycle of chlorophyll fluorescence in <i>Phalaenopsis</i> . <i>Photosynthetica</i> , 2009, 47, 309-312.	1.7	15
38	Suboptimal Light Conditions Influence Source-Sink Metabolism during Flowering. <i>Frontiers in Plant Science</i> , 2016, 7, 249.	3.6	15
39	A new method to determine the energy saving night temperature for vegetative growth of <i>Phalaenopsis</i> . <i>Annals of Applied Biology</i> , 2011, 158, 331-345.	2.5	14
40	Flower development and effects of a cold treatment and a supplemental gibberellic acid application on flowering of <i>Helleborus niger</i> and <i>Helleborus x ericsmithii</i> . <i>Scientia Horticulturae</i> , 2012, 136, 145-151.	3.6	13
41	Fruit thinning affects photosynthetic activity, carbohydrate levels, and shoot and fruit development of olive trees grown under semiarid conditions. <i>Functional Plant Biology</i> , 2013, 40, 1179.	2.1	13
42	Differential responses to drought stress in leaves and roots of wild jujube, <i>Ziziphus lotus</i> . <i>Acta Physiologiae Plantarum</i> , 2014, 36, 945-953.	2.1	13
43	Determining the minimum daily light integral for forcing of azalea (<i>Rhododendron simsii</i>). <i>Scientia Horticulturae</i> , 2014, 177, 1-9.	3.6	13
44	Three-year screening for cold hardiness of garden roses. <i>Scientia Horticulturae</i> , 2019, 245, 12-18.	3.6	13
45	Cold Acclimation and Deacclimation of Two Garden Rose Cultivars Under Controlled Daylength and Temperature. <i>Frontiers in Plant Science</i> , 2020, 11, 327.	3.6	13
46	Seasonal variation of photosynthesis and photosynthetic efficiency in <i>Phalaenopsis</i> . <i>Photosynthetica</i> , 2010, 48, 580-588.	1.7	12
47	Identification and substrate prediction of new <i>Fragaria x ananassa</i> aquaporins and expression in different tissues and during strawberry fruit development. <i>Horticulture Research</i> , 2018, 5, 20.	6.3	12
48	Floral characteristics and gametophyte development of <i>Anemone coronaria</i> L. and <i>Ranunculus asiaticus</i> L. (<i>Ranunculaceae</i>). <i>Scientia Horticulturae</i> , 2012, 138, 73-80.	3.6	11
49	Impact of an Urban Environment on Trace Element Concentrations in Domestically Produced Lettuce (<i>Lactuca sativa</i> L.). <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	11
50	Obtaining Salt Stress-Tolerant Eggplant Somaclonal Variants from In Vitro Selection. <i>Plants</i> , 2021, 10, 2539.	3.5	11
51	Temperature integration of <i>Hedera helix</i> L.: Quality aspects and growth response. <i>Scientia Horticulturae</i> , 2009, 120, 89-95.	3.6	10
52	A method for testing drought tolerance in <i>Fragaria</i> based on fast screening for water deficit response and use of associated AFLP and EST candidate gene markers. <i>Euphytica</i> , 2011, 180, 385-409.	1.2	10
53	Prediction of Lime Tolerance in <i>Rhododendron</i> Based on Herbarium Specimen and Geochemical Data. <i>Frontiers in Plant Science</i> , 2018, 9, 1538.	3.6	10
54	Utility of proximal plant sensors to support nitrogen fertilization in <i>Chrysanthemum</i> . <i>Scientia Horticulturae</i> , 2019, 256, 108544.	3.6	10

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55	Light quality affects light harvesting and carbon sequestration during the diel cycle of crassulacean acid metabolism in <i>Phalaenopsis</i> . <i>Photosynthesis Research</i> , 2019, 141, 195-207.	2.9	10
56	Ecophysiological and biochemical aspects of olive tree (<i>Olea europaea</i> L.) in response to salt stress and gibberellic acid-induced alleviation. <i>South African Journal of Botany</i> , 2020, 132, 38-44.	2.5	10
57	Response of five <i>Alstroemeria</i> cultivars to soil cooling and supplementary lighting. <i>Scientia Horticulturae</i> , 1993, 56, 135-145.	3.6	9
58	Effect of supplementary lighting and CO ₂ enrichment on yield and flower stem quality of <i>Alstroemeria</i> cultivars. <i>Scientia Horticulturae</i> , 1998, 74, 269-278.	3.6	9
59	In-Depth Observation on the Microbial and Fungal Community Structure of Four Contrasting Tomato Cultivation Systems in Soil Based and Soilless Culture Systems. <i>Frontiers in Plant Science</i> , 2020, 11, 520834.	3.6	9
60	The jasmonic acid pathway, rather than abscisic acid, may partly explain contrasting stomatal responses in two strawberry cultivars under osmotic stress. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 21-33.	5.8	9
61	Osmotic stress affects physiological responses and growth characteristics of three pistachio cultivars. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	8
62	Flower differentiation of azalea depends on genotype and not on the use of plant growth regulators. <i>Plant Growth Regulation</i> , 2015, 75, 245-252.	3.4	8
63	In vitro propagation of <i>Helleborus</i> species. <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 91, 175-177.	2.3	7
64	Embryo and hip development in hybrid roses. <i>Plant Growth Regulation</i> , 2013, 69, 107-116.	3.4	7
65	Morpho-physiological responses to dehydration stress of perennial ryegrass and tall fescue genotypes. <i>Functional Plant Biology</i> , 2017, 44, 612.	2.1	7
66	Stay-green characterization in Belgian forage maize. <i>Journal of Agricultural Science</i> , 2017, 155, 766-776.	1.3	7
67	Cold Treatment Breaks Dormancy but Jeopardizes Flower Quality in <i>Camellia japonica</i> L.. <i>Frontiers in Plant Science</i> , 2015, 6, 983.	3.6	6
68	<i>Ranunculus</i> . <i>Handbook of Plant Breeding</i> , 2018, , 649-671.	0.1	6
69	Fate of vinclozolin, thiabendazole and dimethomorph during storage, handling and forcing of chicory. <i>Pest Management Science</i> , 2010, 66, 126-131.	3.4	5
70	Factors affecting grazing preference by sheep in a breeding population of tall fescue (<i>Festuca</i>) Tj ETQq0 0 0 rgBTJ Overlock 10 Tf 50	2.9	5
71	Application of Proximal Optical Sensors to Fine-Tune Nitrogen Fertilization: Opportunities for Woody Ornamentals.. <i>Agronomy</i> , 2019, 9, 408.	3.0	4
72	Timing of light quality affects susceptibility to <i>Botrytis cinerea</i> in strawberry leaves. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 211, 111988.	3.8	4

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73	Dehydrins and Soluble Sugars Involved in Cold Acclimation of <i>Rosa wichurana</i> and Rose Cultivar 'Yesterday'. <i>Horticulturae</i> , 2021, 7, 379.	2.8	4
74	Overcoming Pre-Fertilization Barriers in Intertribal Crosses between <i>Anemone coronaria</i> L. and <i>Ranunculus asiaticus</i> L.. <i>Horticulturae</i> , 2021, 7, 529.	2.8	4
75	Pollen characteristics and stigma receptivity for <i>Anemone coronaria</i> L.. <i>Euphytica</i> , 2018, 214, 1.	1.2	3
76	Seasonal influence on vegetative growth and flower initiation of <i>Spathiphyllum</i> . <i>South African Journal of Botany</i> , 2003, 69, 129-134.	2.5	2
77	Oxygen Consumption by <i>Phalaenopsis</i> Plantlets and <i>Chrysanthemum</i> Cuttings as a Function of Temperature and Time: Model Structure Validation. <i>Agronomy</i> , 2021, 11, 237.	3.0	2
78	Coordinated changes in photosynthetic machinery performance and water relations of the xerophytic shrub <i>Ziziphus lotus</i> (L.) Lam. (Rhamnaceae) following soil drying. <i>Photosynthetica</i> , 2019, 57, 113-120.	1.7	2
79	In vitro shoot growth and adventitious rooting of <i>Wikstroemia gemmata</i> depends on light quality. <i>Israel Journal of Plant Sciences</i> , 2020, 67, 16-26.	0.5	1
80	Helleborus. <i>Handbook of Plant Breeding</i> , 2018, , 439-452.	0.1	1
81	'Organic growing medium inhibits the crazy roots syndrome: a case study with <i>solanum melongena</i> '. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2014, 79, 51-6.	0.0	1
82	Diuron and chlorotoluron herbicides dissipation and leaching out from the peat substrate of containers of ornamental plants in nursery. <i>Toxicological and Environmental Chemistry</i> , 1999, 73, 55-66.	1.2	0
83	Introggression of rol genes from rhizogenic <i>Agrobacterium</i> strains into <i>Escallonia</i> spp.. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 403-414.	2.3	0
84	Editorial: Advanced Strategies to Reduce the Nitrate Content in Vegetables. <i>Frontiers in Plant Science</i> , 2021, 12, 765636.	3.6	0
85	Temperature is an important driver for cold acclimation in garden roses. <i>Scientia Horticulturae</i> , 2022, 296, 110905.	3.6	0
86	Chemical control of plant habitus in summer-to-autumn flowering chrysanthemum (<i>Dendranthema</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.0	0