

Nikolaos Katsoulas

List of Publications by Year in descending order

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154
papers

2,902
citations

236925

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h-index

197818

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154
all docs

154
docs citations

154
times ranked

2574
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the Priestley-Taylor coefficient and a modified potential evapotranspiration model. <i>Smart Agricultural Technology</i> , 2023, 3, 100075.	5.4	7
2	Effect of pH on <i>Schizochytrium limacinum</i> Production Grown Using Crude Glycerol and Biogas Digestate Effluent. <i>Agronomy</i> , 2022, 12, 364.	3.0	3
3	Silica coated insect proof screens for effective insect control in greenhouses. <i>Biosystems Engineering</i> , 2022, 215, 21-31.	4.3	2
4	Reduction in Blockage Property of UV-Blocking Greenhouse Covering Material: In Situ and Lab Measurement Comparison. <i>AgriEngineering</i> , 2022, 4, 171-178.	3.2	1
5	Responses of sweet pepper (<i>Capsicum annum</i> L.) cultivated in a closed hydroponic system to variable calcium concentrations in the nutrient solution. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4342-4349.	3.5	8
6	Advances in irrigation/fertigation techniques in greenhouse soilless culture systems (SCS). <i>Burleigh Dodds Series in Agricultural Science</i> , 2021, , 249-276.	0.2	0
7	Advances in irrigation/fertigation techniques in greenhouse soilless culture systems (SCS). , 2021, , 249-275.		1
8	Freshwater-adapted sea bass <i>Dicentrarchus labrax</i> feeding frequency impact in a lettuce <i>Lactuca sativa</i> aquaponics system. <i>PeerJ</i> , 2021, 9, e11522.	2.0	7
9	Computational Fluid Dynamics Modelling of the Microclimate within the Boundary Layer of Leaves Leading to Improved Pest Control Management and Low-Input Greenhouse. <i>Sustainability</i> , 2021, 13, 8310.	3.2	7
10	Protected cultivation in Mediterranean region. <i>Acta Horticulturae</i> , 2021, , 323-334.	0.2	1
11	Basil as Secondary Crop in Cascade Hydroponics: Exploring Salinity Tolerance Limits in Terms of Growth, Amino Acid Profile, and Nutrient Composition. <i>Horticulturae</i> , 2021, 7, 203.	2.8	16
12	Effect of shading on photosynthesis in greenhouse hydroponic cucumber crops. <i>Acta Horticulturae</i> , 2021, , 167-172.	0.2	1
13	Smart greenhouse production practices to manage and mitigate the impact of climate change in protected cultivation. <i>Acta Horticulturae</i> , 2021, , 189-196.	0.2	2
14	Effect of NaCl or Macronutrient-Imposed Salinity on Basil Crop Yield and Water Use Efficiency. <i>Horticulturae</i> , 2021, 7, 296.	2.8	5
15	A web-based system for fungus disease risk assessment in greenhouses: System development. <i>Computers and Electronics in Agriculture</i> , 2021, 188, 106326.	7.7	5
16	A Method Comparison Study between Open Source and Industrial Weather Stations. <i>Engineering Proceedings</i> , 2021, 9, .	0.4	1
17	Energy and Water Related Parameters in Tomato and Cucumber Greenhouse Crops in Semiarid Mediterranean Regions. A Review, Part I: Increasing Energy Efficiency. <i>Horticulturae</i> , 2021, 7, 521.	2.8	6
18	SiO ₂ Applications as an Alternative to Insect Control in Greenhouses. <i>Biology and Life Sciences Forum</i> , 2021, 3, 32.	0.6	1

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19	Energy and Water Related Parameters in Tomato and Cucumber Greenhouse Crops in Semiarid Mediterranean Regions. A Review, Part II: Irrigation and Fertigation. <i>Horticulturae</i> , 2021, 7, 548.	2.8	7
20	Effect of Light Intensity and Quality on Growth Rate and Composition of <i>Chlorella vulgaris</i> . <i>Plants</i> , 2020, 9, 31.	3.5	105
21	Current use of copper, mineral oils and sulphur for plant protection in organic horticultural crops across 10 European countries. <i>Organic Agriculture</i> , 2020, 10, 159-171.	2.4	21
22	Plant Responses to UV Blocking Greenhouse Covering Materials: A Review. <i>Agronomy</i> , 2020, 10, 1021.	3.0	25
23	Design, Control, and Performance Aspects of Semi-Closed Greenhouses. <i>Agronomy</i> , 2020, 10, 1739.	3.0	12
24	Implementation of the Circular Economy Concept in Greenhouse Hydroponics for Ultimate Use of Water and Nutrients. <i>Horticulturae</i> , 2020, 6, 83.	2.8	24
25	Use of Biofuel Industry Wastes as Alternative Nutrient Sources for DHA-Yielding <i>Schizochytrium limacinum</i> Production. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4398.	2.5	9
26	Evaluation of Silica-Coated Insect Proof Nets for the Control of <i>Aphis fabae</i> , <i>Sitophilus oryzae</i> , and <i>Tribolium confusum</i> . <i>Nanomaterials</i> , 2020, 10, 1658.	4.1	21
27	A Life Cycle Assessment of Biomass Production from Energy Crops in Crop Rotation Using Different Tillage System. <i>Sustainability</i> , 2020, 12, 6978.	3.2	7
28	Life Cycle Assessment of Variable Rate Fertilizer Application in a Pear Orchard. <i>Sustainability</i> , 2020, 12, 6893.	3.2	14
29	Implementing Sustainable Irrigation in Water-Scarce Regions under the Impact of Climate Change. <i>Agronomy</i> , 2020, 10, 1120.	3.0	97
30	Estimation of Aerodynamic and Canopy Resistances in a Mediterranean Greenhouse Based on Instantaneous Leaf Temperature Measurements. <i>Agronomy</i> , 2020, 10, 1985.	3.0	9
31	Thermal Environment of Urban Schoolyards: Current and Future Design with Respect to Children's Thermal Comfort. <i>Atmosphere</i> , 2020, 11, 1144.	2.3	25
32	Assessment of different inert dust formulations for the control of <i>Sitophilus oryzae</i> , <i>Tribolium confusum</i> and <i>Aphis fabae</i> . <i>Crop Protection</i> , 2020, 137, 105312.	2.1	8
33	Simulation of Radiation and Crop Activity in a Greenhouse Covered with Semitransparent Organic Photovoltaics. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2550.	2.5	20
34	Microclimate and cucumber crop transpiration in a greenhouse cooled by pad and fan system. <i>Acta Horticulturae</i> , 2020, , 235-240.	0.2	3
35	Reuse of cucumber drainage nutrient solution in secondary crops in greenhouses: initial results. <i>Acta Horticulturae</i> , 2020, , 767-774.	0.2	4
36	Phasing out contentious inputs in organic and non-organic horticulture – Organic-PLUS. <i>Acta Horticulturae</i> , 2020, , 211-218.	0.2	2

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37	Contribution of hyperspectral imaging to monitor water content in soilless growing cucumber crop. <i>Acta Horticulturae</i> , 2020, , 1055-1062.	0.2	0
38	Comparison of Growth Rate and Nutrient Content of Five Microalgae Species Cultivated in Greenhouses. <i>Plants</i> , 2019, 8, 279.	3.5	50
39	Effects of Cooling Systems on Greenhouse Microclimate and Cucumber Growth under Mediterranean Climatic Conditions. <i>Agronomy</i> , 2019, 9, 300.	3.0	18
40	Modelling Crop Transpiration in Greenhouses: Different Models for Different Applications. <i>Agronomy</i> , 2019, 9, 392.	3.0	44
41	Irrigation of Greenhouse Crops. <i>Horticulturae</i> , 2019, 5, 7.	2.8	59
42	Effects of Temperature and Grafting on Yield, Nutrient Uptake, and Water Use Efficiency of a Hydroponic Sweet Pepper Crop. <i>Agronomy</i> , 2019, 9, 110.	3.0	23
43	Effect of nitrogen concentration, two-stage and prolonged cultivation on growth rate, lipid and protein content of <i>Chlorella vulgaris</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1466-1473.	3.2	22
44	The effect of covering material on the yield, quality and chemical composition of greenhouse-grown tomato fruit. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3057-3068.	3.5	27
45	Detection of salinity stress in soilless tomato based on crop reflectance. <i>Acta Horticulturae</i> , 2019, , 723-728.	0.2	2
46	Hyperspectral machine vision as a tool for water stress severity assessment in soilless tomato crop. <i>Biosystems Engineering</i> , 2018, 165, 25-35.	4.3	31
47	Automation for Water and Nitrogen Deficit Stress Detection in Soilless Tomato Crops Based on Spectral Indices. <i>Horticulturae</i> , 2018, 4, 47.	2.8	11
48	Simulation of schoolyard's microclimate and human thermal comfort under Mediterranean climate conditions: effects of trees and green structures. <i>International Journal of Biometeorology</i> , 2018, 62, 2025-2036.	3.0	25
49	Crop reflectance measurements for nitrogen deficiency detection in a soilless tomato crop. <i>Biosystems Engineering</i> , 2018, 176, 1-11.	4.3	14
50	Impact of Cultivar and Grafting on Nutrient and Water Uptake by Sweet Pepper (<i>Capsicum annuum</i> L.) Grown Hydroponically Under Mediterranean Climatic Conditions. <i>Frontiers in Plant Science</i> , 2018, 9, 1244.	3.6	21
51	Sensing crop reflectance for water stress detection in greenhouses. <i>Acta Horticulturae</i> , 2018, , 117-126.	0.2	1
52	Analysis of Microclimate and Cucumber Fruit Yield in a Screenhouse and an Evaporatively Cooled Greenhouse in a Semi-Arid Location. <i>Transactions of the ASABE</i> , 2018, 61, 619-629.	1.1	8
53	Microclimatic effects of planted hydroponic structures in urban environment: measurements and simulations. <i>International Journal of Biometeorology</i> , 2017, 61, 943-956.	3.0	23
54	Spatially distributed greenhouse climate control based on wireless sensor network measurements. <i>Acta Horticulturae</i> , 2017, , 111-120.	0.2	8

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55	Online professional irrigation scheduling system for greenhouse crops. Acta Horticulturae, 2017, , 221-228.	0.2	17
56	Wireless sensor networks for greenhouse climate and plant condition assessment. Biosystems Engineering, 2017, 153, 70-81.	4.3	88
57	Crop water status assessment in controlled environment using crop reflectance and temperature measurements. Precision Agriculture, 2017, 18, 332-349.	6.0	26
58	Internet of Things in agriculture, recent advances and future challenges. Biosystems Engineering, 2017, 164, 31-48.	4.3	546
59	Operation reliability of wireless sensor networks in greenhouse conditions. Acta Horticulturae, 2017, , 867-874.	0.2	0
60	Crop temperature measurements for crop water status identification in greenhouses. Acta Horticulturae, 2017, , 695-702.	0.2	0
61	Effects of planting and structural configurations on human thermal comfort in a schoolyard. Acta Horticulturae, 2017, , 229-234.	0.2	0
62	Nutrient uptake concentrations of a pepper crop under Mediterranean climate conditions. Acta Horticulturae, 2017, , 687-694.	0.2	0
63	Potential energy cost and footprint reduction in Mediterranean greenhouses by means of renewable energy use. Acta Horticulturae, 2017, , 461-466.	0.2	3
64	Effect of screenhouse cover optical properties on sweet pepper fruit quality. Acta Horticulturae, 2017, , 1071-1076.	0.2	0
65	Nutrient and water use efficiency in screenhouse crops: a benchmarking approach. Acta Horticulturae, 2017, , 289-296.	0.2	0
66	Assessment of crop water status by means of crop reflectance. Acta Horticulturae, 2017, , 297-304.	0.2	1
67	Screenhouses as a cropping system alternative to open field cultivations. , 2017, , ,		0
68	Adapt2Change: The semi-closed greenhouse. , 2017, , ,		0
69	Technologies and Techniques for Sustainable Greenhouse production in Slovenia. , 2017, , ,		0
70	Reflectance indices for the detection of water stress in greenhouse tomato (<i>Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (0.2	8
71	Calibration methodology of a hyperspectral imaging system for greenhouse plant water status assessment. Acta Horticulturae, 2016, , 119-126.	0.2	6
72	Crop reflectance monitoring as a tool for water stress detection in greenhouses: A review. Biosystems Engineering, 2016, 151, 374-398.	4.3	106

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73	Evaluation of thermal perception in schoolyards under Mediterranean climate conditions. <i>International Journal of Biometeorology</i> , 2016, 60, 319-334.	3.0	12
74	Development of a WSN for Greenhouse Microclimate Distribution Monitoring. <i>Annals of Valahia University of Targoviste - Agriculture</i> , 2016, 10, 7-13.	0.3	2
75	A climate control methodology based on wireless sensor networks in greenhouses. <i>Acta Horticulturae</i> , 2015, , 75-82.	0.2	9
76	Benchmark Irrigated under Cover Agriculture Crops. <i>Agriculture and Agricultural Science Procedia</i> , 2015, 4, 348-355.	0.6	8
77	Remote sensing for crop water stress detection in greenhouses. , 2015, , 667-676.		2
78	APPLICATION OF MICROCLIMATIC LANDSCAPE DESIGN IN SCHOOLYARDS IN GREECE. <i>Acta Horticulturae</i> , 2015, , 935-941.	0.2	4
79	Extension and evaluation of a model for automatic drainage solution management in tomato crops grown in semi-closed hydroponic systems. <i>Computers and Electronics in Agriculture</i> , 2015, 113, 61-71.	7.7	41
80	Reducing ventilation requirements in semi-closed greenhouses increases water use efficiency. <i>Agricultural Water Management</i> , 2015, 156, 90-99.	5.6	40
81	Calibration of a growth model for tomato seedlings (TOMSEED) based on heuristic optimisation. <i>Biosystems Engineering</i> , 2015, 140, 34-47.	4.3	2
82	A simple model for ventilation rate determination in screenhouses. <i>Energy and Buildings</i> , 2015, 87, 293-301.	6.7	16
83	Predicting reference evapotranspiration for screenhouse-grown crops. <i>Agricultural Water Management</i> , 2014, 143, 122-130.	5.6	15
84	Effects of cover optical properties on screenhouse radiative environment and sweet pepper productivity. <i>Biosystems Engineering</i> , 2014, 122, 115-126.	4.3	31
85	EXPOSURE OF GREENHOUSE WORKERS TO PESTICIDES. <i>Acta Horticulturae</i> , 2014, , 1133-1138.	0.2	3
86	TRANSPIRATION AND CANOPY CONDUCTANCE OF A PEPPER CROP UNDER SCREENS WITH DIFFERENT POROSITY AND SHADING INTENSITY. <i>Acta Horticulturae</i> , 2014, , 547-553.	0.2	0
87	PEPPER CROP PRODUCTION UNDER SHADING AND INSECT PROOF SCREENHOUSES. <i>Acta Horticulturae</i> , 2014, , 599-604.	0.2	1
88	CFD MODELING OF MICROCLIMATE IN THE LEAF BOUNDARY LAYER, ECOLOGICAL NICHE OF PESTS. <i>Acta Horticulturae</i> , 2014, , 1027-1034.	0.2	3
89	RECENT TRENDS IN SALINITY CONTROL FOR SOILLESS GROWING SYSTEMS MANAGEMENT. <i>Acta Horticulturae</i> , 2014, , 433-442.	0.2	3
90	USE OF A DECISION SUPPORT SYSTEM FOR MANAGEMENT OF THE DRAINAGE SOLUTION IN SEMI-CLOSED HYDROPONIC SYSTEMS UNDER DIFFERENT DRAINAGE FRACTIONS. <i>Acta Horticulturae</i> , 2014, , 1067-1074.	0.2	2

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91	ENERGY NEEDS AND ENERGY SAVING IN MEDITERRANEAN GREENHOUSES. <i>Acta Horticulturae</i> , 2014, , 25-30.	0.2	6
92	DEVELOPMENT AND EVALUATION OF A DSS FOR DRAINAGE MANAGEMENT IN SEMI-CLOSED HYDROPONIC SYSTEMS. <i>Acta Horticulturae</i> , 2014, , 509-516.	0.2	3
93	Photosynthetic Acclimation of Sweet Pepper Plants to Screenhouse Conditions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 166-172.	1.0	10
94	Computational fluid dynamics applications to improve crop production systems. <i>Computers and Electronics in Agriculture</i> , 2013, 93, 151-167.	7.7	61
95	Effects on microclimate, crop production and quality of a tomato crop grown under shade nets. <i>Journal of Horticultural Science and Biotechnology</i> , 2012, 87, 7-12.	1.9	48
96	TEST OF A GREENHOUSE COVERED BY POLYETHYLENE FILM THAT REFLECTS NEAR-INFRARED RADIATION. <i>Acta Horticulturae</i> , 2012, , 507-513.	0.2	3
97	IMPROVEMENT OF GREENHOUSE MICROCLIMATE DISTRIBUTION BY MEANS OF AIR MIXING FANS. <i>Acta Horticulturae</i> , 2012, , 589-594.	0.2	3
98	USE OF SHADING NETS TO IMPROVE QUALITY CHARACTERISTICS OF COMPACT GARDENIA (GARDENIA) Tj ETQq0 0,0 rgBT /Qverlock 10	0.2	1
99	EFFECT OF SHADING ON GREENHOUSE ENERGY BALANCE AND CROP TRANSPIRATION. <i>Acta Horticulturae</i> , 2012, , 689-694.	0.2	4
100	PERFORMANCE TEST OF A NA+ ACCUMULATION MODEL AS PART OF A DECISION SUPPORT SYSTEM FOR CLOSED HYDROPONIC SYSTEMS MANAGEMENT. <i>Acta Horticulturae</i> , 2012, , 139-145.	0.2	1
101	TRANSPIRATION OF A SWEET PEPPER CROP UNDER SCREENHOUSE CONDITIONS. <i>Acta Horticulturae</i> , 2012, , 91-97.	0.2	3
102	SOLAR RADIATION DISTRIBUTION IN SCREENHOUSES: A CFD APPROACH. <i>Acta Horticulturae</i> , 2012, , 449-456.	0.2	2
103	MICROCLIMATE OF A PEPPER CROP UNDER SCREENHOUSE CONDITIONS. <i>Acta Horticulturae</i> , 2012, , 523-529.	0.2	2
104	TRANSPIRATION AND PHOTOSYNTHESIS OF SWEET PEPPER GROWING UNDER DIFFERING SCREENHOUSE NETS. <i>Acta Horticulturae</i> , 2012, , 539-544.	0.2	0
105	MICROCLIMATE DISTRIBUTION IN A GREENHOUSE COOLED BY A FOG SYSTEM. <i>Acta Horticulturae</i> , 2012, , 773-778.	0.2	4
106	EFFECTS OF ANTI-DRIP POLYETHYLENE COVERING FILMS ON MICROCLIMATE AND CROP PRODUCTION. <i>Acta Horticulturae</i> , 2012, , 209-215.	0.2	3
107	Experimental and modelling analysis of pesticide fate from greenhouses: The case of pyrimethanil on a tomato crop. <i>Biosystems Engineering</i> , 2012, 113, 195-206.	4.3	12
108	Shading Effects on Greenhouse Microclimate and Crop Transpiration in a Cucumber Crop Grown Under Mediterranean Conditions. <i>Applied Engineering in Agriculture</i> , 2012, 28, 129-140.	0.7	13

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109	EVALUATION OF CROP REFLECTANCE INDICES FOR GREENHOUSE IRRIGATION SCHEDULING. Acta Horticulturae, 2012, , 269-276.	0.2	0
110	CASE STUDIES OF A MODIFIED BIOLOGICAL SIMULATOR (TOMGRO) ACCORDING TO SHORT CROPPING PERIOD. Acta Horticulturae, 2012, , 317-322.	0.2	1
111	Effects of a UV-absorbing greenhouse covering film on tomato yield and quality. Spanish Journal of Agricultural Research, 2012, 10, 959.	0.6	14
112	DATA BASED MODELING APPROACH FOR GREENHOUSE AIR TEMPERATURE AND RELATIVE HUMIDITY. Acta Horticulturae, 2012, , 67-72.	0.2	2
113	GREENHOUSE SECTOR ASSESSMENT IN AZERBAIJAN AND PROSPECTS FOR SUSTAINABLE DEVELOPMENT. Acta Horticulturae, 2012, , 567-574.	0.2	1
114	CHARACTERIZATION AND ANALYSIS OF THE EFFECTS OF GREENHOUSE CLIMATE CONTROL EQUIPMENT ON GREENHOUSE MICROCLIMATE AND CROP RESPONSE. Acta Horticulturae, 2011, , 117-132.	0.2	6
115	EXPERIMENTAL RESULTS AND SPATIAL SIMULATION OF CLIMATE IN A GREENHOUSE WITH INSECT SCREENS. Acta Horticulturae, 2011, , 597-604.	0.2	1
116	STUDY OF A PASSIVE SOLAR HEATING GREENHOUSE CROP GROW GUTTER. Acta Horticulturae, 2011, , 381-388.	0.2	6
117	DEVELOPMENT OF A BIO-PHYSICAL SIMULATOR FOR MEDITERRANEAN GREENHOUSES. Acta Horticulturae, 2011, , 525-530.	0.2	0
118	DATA-BASED APPROACH TO MODEL THE DYNAMIC BEHAVIOUR OF GREENHOUSE TEMPERATURE. Acta Horticulturae, 2011, , 931-938.	0.2	4
119	Effect of Irrigation Scheduling on Gerbera Flower Yield and Quality. Hortscience: A Publication of the American Society for Horticultural Science, 2010, 45, 265-270.	1.0	12
120	IMPROVING THE EFFICIENCY OF INSECT SCREENS IN GREENHOUSES. Acta Horticulturae, 2009, , 91-96.	0.2	2
121	Response of an eggplant crop grown under Mediterranean summer conditions to greenhouse fog cooling. Scientia Horticulturae, 2009, 123, 90-98.	3.6	41
122	DEVELOPMENT OF A SIMPLE GROWTH MODEL FOR LIGHT CONTROL IN TOMATO SEEDLING PRODUCTION. Acta Horticulturae, 2009, , 129-134.	0.2	0
123	EFFECTS OF ANTI-DRIP COVER MATERIALS ON MICROCLIMATE AND PRODUCTION OF A HYDROPONIC CUCUMBER CROP. Acta Horticulturae, 2008, , 267-274.	0.2	0
124	The Impact of Insect Screens and Ventilation Openings on the Greenhouse Microclimate. Transactions of the ASABE, 2008, 51, 2151-2165.	1.1	23
125	NUMERICAL MODELLING AND EXPERIMENTAL MEASUREMENTS OF PESTICIDES DISPERSION IN A NATURALLY VENTILATED GREENHOUSE. Acta Horticulturae, 2008, , 955-962.	0.2	1
126	Leaf boundary layer conductance in ventilated greenhouses: An experimental approach. Agricultural and Forest Meteorology, 2007, 144, 180-192.	4.8	19

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127	Interactions between salinity and irrigation frequency in greenhouse pepper grown in closed-cycle hydroponic systems. <i>Agricultural Water Management</i> , 2007, 91, 102-111.	5.6	57
128	Greenhouse Microclimate and Soilless Pepper Crop Production and Quality as Affected by a Fog Evaporative Cooling System. <i>Transactions of the ASABE</i> , 2007, 50, 1831-1840.	1.1	3
129	Electrical Conductivity and pH Prediction in a Recirculated Nutrient Solution of a Greenhouse Soilless Rose Crop. <i>Journal of Plant Nutrition</i> , 2006, 29, 1585-1599.	1.9	11
130	Effect of two UV-absorbing greenhouse-covering films on growth and yield of an eggplant soilless crop. <i>Scientia Horticulturae</i> , 2006, 110, 30-37.	3.6	54
131	CALCIUM, MAGNESIUM AND POTASSIUM CONCENTRATIONS PREDICTION IN A RECIRCULATED NUTRIENT SOLUTION OF A GREENHOUSE SOILLESS ROSE CROP. <i>Acta Horticulturae</i> , 2006, , 491-498.	0.2	1
132	EFFECT OF VENT OPENING AND INSECT SCREENS ON GREENHOUSE MICROCLIMATE DISTRIBUTION. <i>Acta Horticulturae</i> , 2006, , 615-622.	0.2	5
133	Effect of Vent Openings and Insect Screens on Greenhouse Ventilation. <i>Biosystems Engineering</i> , 2006, 93, 427-436.	4.3	83
134	Effect of Irrigation Frequency on Rose Flower Production and Quality. <i>Biosystems Engineering</i> , 2006, 93, 237-244.	4.3	67
135	DISPERSION OF PESTICIDES FROM A NATURALLY VENTILATED GREENHOUSE: A CFD APPROACH. <i>Acta Horticulturae</i> , 2006, , 307-314.	0.2	1
136	Air temperature regime in a forced ventilated greenhouse with rose crop. <i>Energy and Buildings</i> , 2005, 37, 807-812.	6.7	73
137	EFFECT OF TWO IRRIGATION FREQUENCIES ON ROSE FLOWER PRODUCTION AND QUALITY. <i>Acta Horticulturae</i> , 2005, , 333-340.	0.2	1
138	The Effect of Vent Configuration and Insect Screens on Greenhouse Microclimate. <i>International Journal of Ventilation</i> , 2005, 4, 193-202.	0.4	6
139	USE OF MODEL-ARTIFICIAL LEAVES FOR MONITORING AERODYNAMIC CONDUCTANCE IN GREENHOUSES. <i>Acta Horticulturae</i> , 2005, , 749-756.	0.2	0
140	CROP-CLIMATE COUPLING IN GREENHOUSES. CHARACTERIZATION AND ANALYSIS. <i>Acta Horticulturae</i> , 2005, , 163-170.	0.2	1
141	INFLUENCE OF ALUMINIZED THERMAL SCREENS ON GREENHOUSE MICROCLIMATE AND NIGHT TRANSPIRATION. <i>Acta Horticulturae</i> , 2003, , 387-392.	0.2	6
142	INFLUENCE OF AN ALUMINIZED THERMAL SCREEN ON GREENHOUSE MICROCLIMATE AND CANOPY ENERGY BALANCE. <i>Transactions of the American Society of Agricultural Engineers</i> , 2003, 46, 1653-1663.	0.9	22
143	INFLUENCE OF AN INSECT SCREEN ON GREENHOUSE VENTILATION. <i>Transactions of the American Society of Agricultural Engineers</i> , 2002, 45, .	0.9	31
144	SE"Structures and Environment. <i>Biosystems Engineering</i> , 2002, 83, 349-359.	4.3	22

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145	Effect of misting on transpiration and conductances of a greenhouse rose canopy. <i>Agricultural and Forest Meteorology</i> , 2001, 106, 233-247.	4.8	91
146	Influence of whitening on greenhouse microclimate and crop energy partitioning. <i>Agricultural and Forest Meteorology</i> , 2001, 107, 293-306.	4.8	85
147	ESTIMATING TRANSPIRATION RATE AND CANOPY RESISTANCE OF A ROSE CROP IN A FAN-VENTILATED GREENHOUSE. <i>Acta Horticulturae</i> , 2001, , 303-310.	0.2	8
148	TRANSPIRATION AND ENERGY BALANCE OF A GREENHOUSE ROSE CROP IN MEDITERRANEAN SUMMER CONDITIONS. <i>Acta Horticulturae</i> , 2001, , 395-400.	0.2	5
149	SE“Structures and Environment. <i>Biosystems Engineering</i> , 2001, 79, 349-360.	0.4	35
150	INFLUENCE OF MISTING ON THE DIURNAL HYSTERESIS OF CANOPY TRANSPIRATION RATE AND CONDUCTANCE IN A ROSE GREENHOUSE. <i>Acta Horticulturae</i> , 2000, , 155-162.	0.2	2
151	TRANSPIRATION AND CANOPY RESISTANCE OF GREENHOUSE SOILLESS ROSES: MEASUREMENTS AND MODELING. <i>Acta Horticulturae</i> , 1999, , 61-68.	0.2	18
152	Greenhouse Crop Transpiration Modelling. , 0, , .		6
153	Effect of irrigation frequency on growth and production of a cucumber crop under soilless culture. <i>Emirates Journal of Food and Agriculture</i> , 0, , 863.	1.0	18
154	Modelling transpiration of soilless greenhouse cucumber and its relationship with leaf temperature in a Mediterranean climate. <i>Emirates Journal of Food and Agriculture</i> , 0, , 911.	1.0	9