

Marisa Gallardo

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

3,170
citations

126907

33
h-index

161849

54
g-index

88
all docs

88
docs citations

88
times ranked

2213
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Use of fluorescence indices as predictors of crop N status and yield for greenhouse sweet pepper crops. <i>Precision Agriculture</i> , 2022, 23, 278-299. | 6.0 | 5 |
| 2 | Modelling nitrogen, phosphorus, potassium, calcium and magnesium uptake, and uptake concentration, of greenhouse tomato with the VegSyst model. <i>Scientia Horticulturae</i> , 2021, 279, 109862. | 3.6 | 13 |
| 3 | Use of a Portable Rapid Analysis System to Measure Nitrate Concentration of Nutrient and Soil Solution, and Plant Sap in Greenhouse Vegetable Production. <i>Agronomy</i> , 2021, 11, 819. | 3.0 | 11 |
| 4 | Tillage effects on soil properties, crop responses and root density of sweet pepper (<i>Capsicum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 | 0.6 | 0 |
| 5 | Effects of soil microbial communities associated to different soil fertilization practices on tomato growth in intensive greenhouse agriculture. <i>Applied Soil Ecology</i> , 2021, 162, 103896. | 4.3 | 11 |
| 6 | Petiole sap nitrate concentration to assess crop nitrogen status of greenhouse sweet pepper. <i>Scientia Horticulturae</i> , 2021, 285, 110157. | 3.6 | 8 |
| 7 | Root and crop responses of sweet pepper (<i>Capsicum annuum</i>) to increasing N fertilization. <i>Scientia Horticulturae</i> , 2020, 273, 109645. | 3.6 | 3 |
| 8 | Irrigation management of European greenhouse vegetable crops. <i>Agricultural Water Management</i> , 2020, 242, 106393. | 5.6 | 51 |
| 9 | Modelling greenhouse-grown vegetable crops for optimisation of irrigation and nitrogen management. <i>Acta Horticulturae</i> , 2020, , 241-256. | 0.2 | 0 |
| 10 | Reducing nitrate leaching losses from vegetable production in Mediterranean greenhouses. <i>Acta Horticulturae</i> , 2020, , 105-118. | 0.2 | 20 |
| 11 | Soil Monitoring Methods to Assess Immediately Available Soil N for Fertigated Sweet Pepper. <i>Agronomy</i> , 2020, 10, 2000. | 3.0 | 10 |
| 12 | Sweet pepper and nitrogen supply in greenhouse production: Critical nitrogen curve, agronomic responses and risk of nitrogen loss. <i>European Journal of Agronomy</i> , 2020, 117, 126046. | 4.1 | 26 |
| 13 | Decision support systems and models for aiding irrigation and nutrient management of vegetable crops. <i>Agricultural Water Management</i> , 2020, 240, 106209. | 5.6 | 61 |
| 14 | Recovery of ¹⁵ N Labeled Nitrogen Fertilizer by Fertigated and Drip Irrigated Greenhouse Vegetable Crops. <i>Agronomy</i> , 2020, 10, 741. | 3.0 | 7 |
| 15 | Assessing Performance of Vegetation Indices to Estimate Nitrogen Nutrition Index in Pepper. <i>Remote Sensing</i> , 2020, 12, 763. | 4.0 | 16 |
| 16 | Crop response of greenhouse soil-grown cucumber to total available N in a Nitrate Vulnerable Zone. <i>European Journal of Agronomy</i> , 2020, 114, 125993. | 4.1 | 10 |
| 17 | Effect of Cultivar on Chlorophyll Meter and Canopy Reflectance Measurements in Cucumber. <i>Sensors</i> , 2020, 20, 509. | 3.8 | 10 |
| 18 | The Use of Chlorophyll Meters to Assess Crop N Status and Derivation of Sufficiency Values for Sweet Pepper. <i>Sensors</i> , 2019, 19, 2949. | 3.8 | 17 |

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|----|---|-----|-----------|
| 19 | Showcasing a fertigation management strategy for increasing water and nitrogen use efficiency in soil-grown vegetable crops in the FERTINNOWA project. <i>Acta Horticulturae</i> , 2019, , 17-24. | 0.2 | 10 |
| 20 | Six Collective Challenges for Sustainability of Almer a Greenhouse Horticulture. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4097. | 2.6 | 54 |
| 21 | Sensitivity and uncertainty analysis in agro-hydrological modelling of drip fertigated lettuce crops under Mediterranean conditions. <i>Computers and Electronics in Agriculture</i> , 2019, 162, 630-650. | 7.7 | 9 |
| 22 | Adaptation of the VegSyst model to outdoor conditions for leafy vegetables and processing tomato. <i>Agricultural Systems</i> , 2019, 171, 51-64. | 6.1 | 14 |
| 23 | Yield, nitrogen uptake and nitrogen leaching of tunnel greenhouse grown cucumber in a shallow groundwater region. <i>Agricultural Water Management</i> , 2019, 217, 73-80. | 5.6 | 12 |
| 24 | Influence of time of day on measurement with chlorophyll meters and canopy reflectance sensors of different crop N status. <i>Precision Agriculture</i> , 2019, 20, 1087-1106. | 6.0 | 35 |
| 25 | Simulation of agronomic and nitrate pollution related parameters in vegetable cropping sequences in Mediterranean greenhouses using the EU-Rotate_N model. <i>Agricultural Water Management</i> , 2018, 199, 175-189. | 5.6 | 10 |
| 26 | Different Responses of Various Chlorophyll Meters to Increasing Nitrogen Supply in Sweet Pepper. <i>Frontiers in Plant Science</i> , 2018, 9, 1752. | 3.6 | 61 |
| 27 | Global trends in nitrate leaching research in the 1960 2017 period. <i>Science of the Total Environment</i> , 2018, 643, 400-413. | 8.0 | 159 |
| 28 | Reference values for phenological phases of chlorophyll meter readings and reflectance indices for optimal N nutrition of fertigated tomato. <i>Acta Horticulturae</i> , 2018, , 65-72. | 0.2 | 8 |
| 29 | Proximal Optical Sensors for Nitrogen Management of Vegetable Crops: A Review. <i>Sensors</i> , 2018, 18, 2083. | 3.8 | 136 |
| 30 | Use of the VegSyst model to calculate crop N uptake and ETc of different vegetable species grown in Mediterranean greenhouses. <i>Acta Horticulturae</i> , 2018, , 105-112. | 0.2 | 0 |
| 31 | Water and fertilization management of vegetables: state of art and future challenges. <i>European Journal of Horticultural Science</i> , 2018, 83, 306-318. | 0.7 | 21 |
| 32 | Adaptation of VegSyst model to open air lettuce crops to be used in a decision support system. <i>Acta Horticulturae</i> , 2017, , 379-384. | 0.2 | 2 |
| 33 | Use of the VegSyst model to calculate crop N uptake and crop evapotranspiration of autumn- and spring-grown cucumber in Mediterranean greenhouses. <i>Acta Horticulturae</i> , 2017, , 47-54. | 0.2 | 2 |
| 34 | Tools and Strategies for Sustainable Nitrogen Fertilisation of Vegetable Crops. <i>Advances in Olericulture</i> , 2017, , 11-63. | 0.4 | 34 |
| 35 | Determination of sufficiency values of canopy reflectance vegetation indices for maximum growth and yield of cucumber. <i>European Journal of Agronomy</i> , 2017, 84, 1-15. | 4.1 | 23 |
| 36 | Derivation of sufficiency values of a chlorophyll meter to estimate cucumber nitrogen status and yield. <i>Computers and Electronics in Agriculture</i> , 2017, 141, 54-64. | 7.7 | 43 |

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|----|--|-----|-----------|
| 37 | Responses of soil properties, crop yield and root growth to improved irrigation and N fertilization, soil tillage and compost addition in a pepper crop. <i>Scientia Horticulturae</i> , 2017, 225, 422-430. | 3.6 | 23 |
| 38 | VegSyst-DSS software to calculate N and irrigation requirements for seven vegetable species grown with fertigation in greenhouses in SE Spain. <i>Acta Horticulturae</i> , 2017, , 65-72. | 0.2 | 5 |
| 39 | Recent advances in water and nutrient management of soil-grown crops in Mediterranean greenhouses. <i>Acta Horticulturae</i> , 2017, , 31-44. | 0.2 | 5 |
| 40 | Use of the VegSyst model to calculate crop N uptake and ETc of different vegetable species grown in Mediterranean greenhouses. <i>Acta Horticulturae</i> , 2017, , 105-112. | 0.2 | 0 |
| 41 | Reference values for phenological phases of chlorophyll meter readings and reflectance indices for optimal N nutrition of fertigated tomato. <i>Acta Horticulturae</i> , 2017, , 65-72. | 0.2 | 0 |
| 42 | Use of EU-Rotate_N and CropSyst models to predict yield, growth and water and N dynamics of fertigated leafy vegetables in a Mediterranean climate and to determine N fertilizer requirements. <i>Agricultural Systems</i> , 2016, 149, 150-164. | 6.1 | 22 |
| 43 | Revised VegSyst model to calculate dry matter production, critical N uptake and ETc of several vegetable species grown in Mediterranean greenhouses. <i>Agricultural Systems</i> , 2016, 146, 30-43. | 6.1 | 48 |
| 44 | Crop yields and N losses tradeoffs in a garlic-wheat rotation in southern Spain. <i>European Journal of Agronomy</i> , 2016, 73, 160-169. | 4.1 | 10 |
| 45 | Proximal optical sensing of cucumber crop N status using chlorophyll fluorescence indices. <i>European Journal of Agronomy</i> , 2016, 73, 83-97. | 4.1 | 49 |
| 46 | Assessing crop N status of fertigated vegetable crops using plant and soil monitoring techniques. <i>Annals of Applied Biology</i> , 2015, 167, 387-405. | 2.5 | 43 |
| 47 | Optimizing nitrogen and water inputs for greenhouse vegetable production. <i>Acta Horticulturae</i> , 2015, , 15-30. | 0.2 | 8 |
| 48 | Threshold values of canopy reflectance indices and chlorophyll meter readings for optimal nitrogen nutrition of tomato. <i>Annals of Applied Biology</i> , 2015, 166, 271-285. | 2.5 | 74 |
| 49 | Consideration of total available N supply reduces N fertilizer requirement and potential for nitrate leaching loss in tomato production. <i>Agriculture, Ecosystems and Environment</i> , 2015, 200, 62-70. | 5.3 | 72 |
| 50 | Evaluation of optical sensor measurements of canopy reflectance and of leaf flavonols and chlorophyll contents to assess crop nitrogen status of muskmelon. <i>European Journal of Agronomy</i> , 2014, 58, 39-52. | 4.1 | 103 |
| 51 | Prototype decision support system based on the VegSyst simulation model to calculate crop N and water requirements for tomato under plastic cover. <i>Irrigation Science</i> , 2014, 32, 237-253. | 2.8 | 58 |
| 52 | Simulation of tomato growth, water and N dynamics using the EU-Rotate_N model in Mediterranean greenhouses with drip irrigation and fertigation. <i>Agricultural Water Management</i> , 2014, 132, 46-59. | 5.6 | 38 |
| 53 | VegSyst, a simulation model of daily crop growth, nitrogen uptake and evapotranspiration for pepper crops for use in an on-farm decision support system. <i>Irrigation Science</i> , 2013, 31, 465-477. | 2.8 | 45 |
| 54 | Prescriptive-corrective nitrogen and irrigation management of fertigated and drip-irrigated vegetable crops using modeling and monitoring approaches. <i>Agricultural Water Management</i> , 2013, 119, 121-134. | 5.6 | 65 |

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|----|--|-----|-----------|
| 55 | Effect of N uptake concentration on nitrate leaching from tomato grown in free-draining soilless culture under Mediterranean conditions. <i>Scientia Horticulturae</i> , 2013, 150, 387-398. | 3.6 | 38 |
| 56 | Evaluation of the VegSyst model with muskmelon to simulate crop growth, nitrogen uptake and evapotranspiration. <i>Agricultural Water Management</i> , 2011, 101, 107-117. | 5.6 | 44 |
| 57 | Measurement and estimation of plastic greenhouse reference evapotranspiration in a Mediterranean climate. <i>Irrigation Science</i> , 2010, 28, 497-509. | 2.8 | 140 |
| 58 | Simulation of transpiration, drainage, N uptake, nitrate leaching, and N uptake concentration in tomato grown in open substrate. <i>Agricultural Water Management</i> , 2009, 96, 1773-1784. | 5.6 | 51 |
| 59 | Evaluation of rapid analysis systems for on-farm nitrate analysis in vegetable cropping. <i>Spanish Journal of Agricultural Research</i> , 2009, 7, 200. | 0.6 | 31 |
| 60 | Effects of salinity on fruit yield and quality of tomato grown in soil-less culture in greenhouses in Mediterranean climatic conditions. <i>Agricultural Water Management</i> , 2008, 95, 1041-1055. | 5.6 | 140 |
| 61 | USE OF CROPSYST TO SIMULATE GROWTH, ETC AND N UPTAKE FOR THE DEVELOPMENT OF IRRIGATION AND N FERTILISER PROGRAMS IN INTENSIVE VEGETABLE CROP PRODUCTION. <i>Acta Horticulturae</i> , 2008, , 337-343. | 0.2 | 2 |
| 62 | Using plant water status to define threshold values for irrigation management of vegetable crops using soil moisture sensors. <i>Agricultural Water Management</i> , 2007, 88, 147-158. | 5.6 | 141 |
| 63 | Identification of irrigation and N management practices that contribute to nitrate leaching loss from an intensive vegetable production system by use of a comprehensive survey. <i>Agricultural Water Management</i> , 2007, 89, 261-274. | 5.6 | 209 |
| 64 | Determination of lower limits for irrigation management using in situ assessments of apparent crop water uptake made with volumetric soil water content sensors. <i>Agricultural Water Management</i> , 2007, 92, 13-28. | 5.6 | 59 |
| 65 | Salinity Effects on Soil Moisture Measurement Made with a Capacitance Sensor. <i>Soil Science Society of America Journal</i> , 2007, 71, 1647-1657. | 2.2 | 30 |
| 66 | Evaluation of the Watermark sensor for use with drip irrigated vegetable crops. <i>Irrigation Science</i> , 2006, 24, 185-202. | 2.8 | 62 |
| 67 | MANAGEMENT FACTORS CONTRIBUTING TO NITRATE LEACHING LOSS FROM A GREENHOUSE-BASED INTENSIVE VEGETABLE PRODUCTION SYSTEM. <i>Acta Horticulturae</i> , 2006, , 179-184. | 0.2 | 7 |
| 68 | Response of stem diameter variations to water stress in greenhouse-grown vegetable crops. <i>Journal of Horticultural Science and Biotechnology</i> , 2006, 81, 483-495. | 1.9 | 25 |
| 69 | Use of stem diameter variations to detect plant water stress in tomato. <i>Irrigation Science</i> , 2006, 24, 241-255. | 2.8 | 48 |
| 70 | EFFECT OF APPLIED N CONCENTRATION IN A FERTIGATED VEGETABLE CROP ON SOIL SOLUTION NITRATE AND NITRATE LEACHING LOSS. <i>Acta Horticulturae</i> , 2006, , 221-224. | 0.2 | 26 |
| 71 | Water use and production of a greenhouse pepper crop under optimum and limited water supply. <i>Journal of Horticultural Science and Biotechnology</i> , 2005, 80, 87-96. | 1.9 | 39 |
| 72 | UPTAKE CONCENTRATIONS OF A TOMATO CROP IN DIFFERENT SALINITY CONDITIONS. <i>Acta Horticulturae</i> , 2005, , 365-369. | 0.2 | 10 |

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|----|--|-----|-----------|
| 73 | Evapotranspiration of horticultural crops in an unheated plastic greenhouse. <i>Agricultural Water Management</i> , 2005, 72, 81-96. | 5.6 | 149 |
| 74 | IRRIGATION SCHEDULING OF DRIP-IRRIGATED VEGETABLE CROPS GROWN IN GREENHOUSES USING CONTINUOUS SOIL MOISTURE MONITORING. <i>Acta Horticulturae</i> , 2004, , 653-660. | 0.2 | 2 |
| 75 | RESPONSE OF STEM DIAMETER TO WATER STRESS IN GREENHOUSE-GROWN VEGETABLE CROPS. <i>Acta Horticulturae</i> , 2004, , 253-260. | 0.2 | 7 |
| 76 | EFFECTS OF INCREASING SALINITY ON FRUIT DEVELOPMENT AND GROWTH OF TOMATO GROWN IN SOILLESS CULTURE. <i>Acta Horticulturae</i> , 2003, , 235-240. | 0.2 | 1 |
| 77 | ASSESSING RISK OF NITRATE LEACHING FROM THE HORTICULTURAL INDUSTRY OF ALMERIA, SPAIN. <i>Acta Horticulturae</i> , 2002, , 243-248. | 0.2 | 12 |
| 78 | NUTRITIONAL ASPECTS AFFECTING TOMATO QUALITY IN SOILLESS CULTURE. <i>Acta Horticulturae</i> , 2001, , 509-514. | 0.2 | 1 |
| 79 | CROP COEFFICIENTS OF A PEPPER CROP GROWN IN PLASTIC GREENHOUSES IN ALMERIA, SPAIN.. <i>Acta Horticulturae</i> , 2000, , 461-469. | 0.2 | 3 |
| 80 | Production and water use in lettuces under variable water supply. <i>Irrigation Science</i> , 1996, 16, 125-137. | 2.8 | 60 |
| 81 | Shoot and root physiological responses to localized zones of soil moisture in cultivated and wild lettuce (<i>Lactuca</i> spp.). <i>Plant, Cell and Environment</i> , 1996, 19, 1169-1178. | 5.7 | 54 |
| 82 | A comparison of plant hydraulic conductances in wheat and lupins. <i>Journal of Experimental Botany</i> , 1996, 47, 233-239. | 4.8 | 49 |
| 83 | Crop Growth and Water Use Model for Lettuce. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1996, 122, 354-359. | 1.0 | 33 |
| 84 | Production and water use in lettuces under variable water supply. <i>Irrigation Science</i> , 1996, 16, 125-137. | 2.8 | 1 |
| 85 | Water relations, gas exchange and abscisic acid content of <i>Lupinus cosentinii</i> leaves in response to drying different proportions of the root system. <i>Journal of Experimental Botany</i> , 1994, 45, 909-918. | 4.8 | 85 |
| 86 | Grain protein and grain yield of tritordeum in comparison to wheat and triticale. <i>Plant and Soil</i> , 1993, 153, 287-293. | 3.7 | 0 |