

# Paula Paredes

## List of Publications by Year in descending order

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55  
papers

2,572  
citations

159585

30  
h-index

189892

50  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1710  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Implementing the dual crop coefficient approach in interactive software. 1. Background and computational strategy. <i>Agricultural Water Management</i> , 2012, 103, 8-24.   | 5.6 | 147       |
| 2  | The dual crop coefficient approach to estimate and partitioning evapotranspiration of the winter wheat–summer maize crop sequence in North China Plain. <i>Irrigation Science</i> , 2013, 31, 1303-1316.   | 2.8 | 118       |
| 3  | Partitioning evapotranspiration, yield prediction and economic returns of maize under various irrigation management strategies. <i>Agricultural Water Management</i> , 2014, 135, 27-39.   | 5.6 | 109       |
| 4  | Dual crop coefficient modelling applied to the winter wheat–summer maize crop sequence in North China Plain: Basal crop coefficients and soil evaporation component. <i>Agricultural Water Management</i> , 2013, 117, 93-105.                           | 5.6 | 106       |
| 5  | Soil water balance models for determining crop water and irrigation requirements and irrigation scheduling focusing on the FAO56 method and the dual Kc approach. <i>Agricultural Water Management</i> , 2020, 241, 106357.                              | 5.6 | 100       |
| 6  | Assessing the performance of the FAO AquaCrop model to estimate maize yields and water use under full and deficit irrigation with focus on model parameterization. <i>Agricultural Water Management</i> , 2014, 144, 81-97.                              | 5.6 | 99        |
| 7  | Evapotranspiration and crop coefficients for a super intensive olive orchard. An application of SIMDualKc and METRIC models using ground and satellite observations. <i>Journal of Hydrology</i> , 2014, 519, 2067-2080.                                 | 5.4 | 98        |
| 8  | Implementing the dual crop coefficient approach in interactive software: 2. Model testing. <i>Agricultural Water Management</i> , 2012, 103, 62-77.  | 5.6 | 93        |
| 9  | Modelling transpiration, soil evaporation and yield prediction of soybean in North China Plain. <i>Agricultural Water Management</i> , 2015, 147, 43-53.   | 5.6 | 89        |
| 10 | Irrigation scheduling strategies for cotton to cope with water scarcity in the Fergana Valley, Central Asia. <i>Agricultural Water Management</i> , 2009, 96, 723-735.   | 5.6 | 86        |
| 11 | Modeling malt barley water use and evapotranspiration partitioning in two contrasting rainfall years. Assessing AquaCrop and SIMDualKc models. <i>Agricultural Water Management</i> , 2015, 159, 239-254.  | 5.6 | 81        |
| 12 | The dual crop coefficient approach using a density factor to simulate the evapotranspiration of a peach orchard: SIMDualKc model versus eddy covariance measurements. <i>Irrigation Science</i> , 2012, 30, 115-126.                                     | 2.8 | 79        |
| 13 | Performance assessment of the FAO AquaCrop model for soil water, soil evaporation, biomass and yield of soybeans in North China Plain. <i>Agricultural Water Management</i> , 2015, 152, 57-71.  | 5.6 | 73        |
| 14 | Modeling water use, transpiration and soil evaporation of spring wheat–maize and spring wheat–sunflower relay intercropping using the dual crop coefficient approach. <i>Agricultural Water Management</i> , 2016, 165, 211-229.                         | 5.6 | 72        |
| 15 | Comparing sprinkler and drip irrigation systems for full and deficit irrigated maize using multicriteria analysis and simulation modelling: Ranking for water saving vs. farm economic returns. <i>Agricultural Water Management</i> , 2013, 126, 85-96. | 5.6 | 63        |
| 16 | Prediction of crop coefficients from fraction of ground cover and height. Background and validation using ground and remote sensing data. <i>Agricultural Water Management</i> , 2020, 241, 106197.  | 5.6 | 62        |
| 17 | Estimation of Actual Crop Coefficients Using Remotely Sensed Vegetation Indices and Soil Water Balance Modelled Data. <i>Remote Sensing</i> , 2015, 7, 2373-2400.  | 4.0 | 61        |
| 18 | Dual crop coefficients for maize in southern Brazil: Model testing for sprinkler and drip irrigation and mulched soil. <i>Biosystems Engineering</i> , 2013, 115, 291-310.   | 4.3 | 60        |

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|----|---|-----|-----------|
| 19 | Updated single and dual crop coefficients for tree and vine fruit crops. <i>Agricultural Water Management</i> , 2021, 250, 106645.  | 5.6 | 51        |
| 20 | Reference grass evapotranspiration with reduced data sets: Parameterization of the FAO Penman-Monteith temperature approach and the Hargeaves-Samani equation using local climatic variables. <i>Agricultural Water Management</i> , 2020, 240, 106210. | 5.6 | 49        |
| 21 | Simulation of the soil water balance of wheat using daily weather forecast messages to estimate the reference evapotranspiration. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 1045-1059.   | 4.9 | 47        |
| 22 | Modelling soil water dynamics of full and deficit drip irrigated maize cultivated under a rain shelter. <i>Biosystems Engineering</i> , 2015, 132, 1-18.  | 4.3 | 47        |
| 23 | Accuracy of daily estimation of grass reference evapotranspiration using ERA-Interim reanalysis products with assessment of alternative bias correction schemes. <i>Agricultural Water Management</i> , 2018, 210, 340-353.                             | 5.6 | 46        |
| 24 | A review of strategies, methods and technologies to reduce non-beneficial consumptive water use on farms considering the FAO56 methods. <i>Agricultural Water Management</i> , 2020, 239, 106267.   | 5.6 | 46        |
| 25 | Water use by a groundwater dependent maize in a semi-arid region of Inner Mongolia: Evapotranspiration partitioning and capillary rise. <i>Agricultural Water Management</i> , 2015, 152, 222-232.  | 5.6 | 45        |
| 26 | Cotton irrigation scheduling in central Asia: model calibration and validation with consideration of groundwater contribution. <i>Irrigation and Drainage</i> , 2008, 57, 516-532.  | 1.7 | 43        |
| 27 | Assessing reference evapotranspiration estimation from reanalysis weather products. An application to the Iberian Peninsula. <i>International Journal of Climatology</i> , 2017, 37, 2378-2397.   | 3.5 | 42        |
| 28 | Assessing potato transpiration, yield and water productivity under various water regimes and planting dates using the FAO dual K c approach. <i>Agricultural Water Management</i> , 2018, 195, 11-24.   | 5.6 | 41        |
| 29 | Daily Reference Evapotranspiration for Hyper-Arid to Moist Sub-Humid Climates in Inner Mongolia, China: I. Assessing Temperature Methods and Spatial Variability. <i>Water Resources Management</i> , 2016, 30, 3769-3791.                              | 3.9 | 37        |
| 30 | Standard single and basal crop coefficients for field crops. Updates and advances to the FAO56 crop water requirements method. <i>Agricultural Water Management</i> , 2021, 243, 106466.  | 5.6 | 35        |
| 31 | Standard single and basal crop coefficients for vegetable crops, an update of FAO56 crop water requirements approach. <i>Agricultural Water Management</i> , 2021, 243, 106196.   | 5.6 | 32        |
| 32 | Computing FAO56 reference grass evapotranspiration PM-ET <sub>o</sub> from temperature with focus on solar radiation. <i>Agricultural Water Management</i> , 2019, 215, 86-102.   | 5.6 | 31        |
| 33 | Assessing and modelling water use and the partition of evapotranspiration of irrigated hop ( <i>Humulus</i> ) Tj ETQq1 1 0.784314 rgBT /Overl<br>Products, 2015, 77, 204-217.   | 5.2 | 30        |
| 34 | Water Use and Yield of Soybean under Various Irrigation Regimes and Severe Water Stress. Application of AquaCrop and SIMDualKc Models. <i>Water (Switzerland)</i> , 2017, 9, 393.   | 2.7 | 28        |
| 35 | Daily reference crop evapotranspiration in the humid environments of Azores islands using reduced data sets: accuracy of FAO-PM temperature and Hargreaves-Samani methods. <i>Theoretical and Applied Climatology</i> , 2018, 134, 595-611.             | 2.8 | 27        |
| 36 | Using the FAO dual crop coefficient approach to model water use and productivity of processing pea ( <i>Pisum sativum</i> L.) as influenced by irrigation strategies. <i>Agricultural Water Management</i> , 2017, 189, 5-18.                           | 5.6 | 26        |

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|----|--|-----|-----------|
| 37 | Crop Coefficients and Transpiration of a Super Intensive Arbequina Olive Orchard using the Dual Kc Approach and the Kcb Computation with the Fraction of Ground Cover and Height. <i>Water (Switzerland)</i> , 2019, 11, 383.                            | 2.7 | 26        |
| 38 | Assessing yield, water productivity and farm economic returns of malt barley as influenced by the sowing dates and supplemental irrigation. <i>Agricultural Water Management</i> , 2017, 179, 132-143.   | 5.6 | 25        |
| 39 | Relating energy performance and water productivity of sprinkler irrigated maize, wheat and sunflower under limited water availability. <i>Biosystems Engineering</i> , 2010, 106, 195-204.   | 4.3 | 21        |
| 40 | Daily reference crop evapotranspiration with reduced data sets in the humid environments of Azores islands using estimates of actual vapor pressure, solar radiation, and wind speed. <i>Theoretical and Applied Climatology</i> , 2018, 134, 1115-1133. | 2.8 | 21        |
| 41 | Prediction of crop coefficients from fraction of ground cover and height: Practical application to vegetable, field and fruit crops with focus on parameterization. <i>Agricultural Water Management</i> , 2021, 252, 106663.                            | 5.6 | 21        |
| 42 | Predicting Maize Transpiration, Water Use and Productivity for Developing Improved Supplemental Irrigation Schedules in Western Uruguay to Cope with Climate Variability. <i>Water (Switzerland)</i> , 2016, 8, 309.                                     | 2.7 | 20        |
| 43 | Comparing Sprinkler and Surface Irrigation for Wheat Using Multi-Criteria Analysis: Water Saving vs. Economic Returns. <i>Water (Switzerland)</i> , 2017, 9, 50.   | 2.7 | 19        |
| 44 | Daily grass reference evapotranspiration with Meteosat Second Generation shortwave radiation and reference ET products. <i>Agricultural Water Management</i> , 2021, 248, 106543.  | 5.6 | 19        |
| 45 | Parameterization of AquaCrop model for vining pea biomass and yield predictions and assessing impacts of irrigation strategies considering various sowing dates. <i>Irrigation Science</i> , 2017, 35, 27-41.  | 2.8 | 17        |
| 46 | Evapotranspiration Partition and Crop Coefficients of Tifton 85 Bermudagrass as Affected by the Frequency of Cuttings. Application of the FAO56 Dual Kc Model. <i>Water (Switzerland)</i> , 2018, 10, 558.   | 2.7 | 17        |
| 47 | Ecohydrology of groundwater-dependent grasslands of the semi-arid Horqin sandy land of inner Mongolia focusing on evapotranspiration partition. <i>Ecohydrology</i> , 2016, 9, 1052-1067.  | 2.4 | 15        |
| 48 | Estimating and partitioning maize evapotranspiration as affected by salinity using weighing lysimeters and the SIMDualKc model. <i>Agricultural Water Management</i> , 2022, 261, 107362.  | 5.6 | 15        |
| 49 | Daily Reference Evapotranspiration for Hyper-Arid to Moist Sub-Humid Climates in Inner Mongolia, China: II. Trends of ETo and Weather Variables and Related Spatial Patterns. <i>Water Resources Management</i> , 2016, 30, 3793-3814.                   | 3.9 | 13        |
| 50 | Transpiration and Water Use of an Irrigated Traditional Olive Grove with Sap-Flow Observations and the FAO56 Dual Crop Coefficient Approach. <i>Water (Switzerland)</i> , 2021, 13, 2466.  | 2.7 | 12        |
| 51 | DETERMINATION OF CROP COEFFICIENTS FOR HORTICULTURAL CROPS IN CUBA THROUGH FIELD EXPERIMENTS AND WATER BALANCE SIMULATION. <i>Acta Horticulturae</i> , 2011, , 475-482.  | 0.2 | 3         |
| 52 | ESTIMATION OF THE PAPAYA CROP COEFFICIENTS FOR IMPROVING IRRIGATION WATER MANAGEMENT IN SOUTH OF HAVANA. <i>Acta Horticulturae</i> , 2012, , 179-186.  | 0.2 | 3         |
| 53 | THE DUAL CROP COEFFICIENT APPROACH: TESTING THE SIMDUALKC MODEL WITH PEACH ORCHARD EVAPOTRANSPIRATION EDDY COVARIANCE MEASUREMENTS. <i>Acta Horticulturae</i> , 2011, , 181-188.   | 0.2 | 2         |
| 54 | SIMDualKc, A Software Tool for Water Balance Simulation Based on Dual Crop Coefficient. , 0, , .   |     | 0         |

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|----|--|----|-----------|
| 55 | Crop and landscape water requirements. , 2022, , . |    | 0         |