Luis Santos Pereira

List of Publications by Year
in descending order

223 papers	13,460 citations	18482 62 h-index	27406 106 g-index
234 all docs	234 docs citations	234 times ranked	9096 citing authors

#	Article	IF	Citations
1	Evapotranspiration information reporting: I. Factors governing measurement accuracy. Agricultural Water Management, 2011, 98, 899-920.	5.6	706
2	Irrigation management under water scarcity. Agricultural Water Management, 2002, 57, 175-206.	5.6	634
3	Crop evapotranspiration estimation with FAO56: Past and future. Agricultural Water Management, 2015, 147, 4-20.	5.6	489
4	A recommendation on standardized surface resistance for hourly calculation of reference ETo by the FAO56 Penman-Monteith method. Agricultural Water Management, 2006, 81, 1-22.	5.6	473
5	FAO-56 Dual Crop Coefficient Method for Estimating Evaporation from Soil and Application Extensions. Journal of Irrigation and Drainage Engineering - ASCE, 2005, 131, 2-13.	1.0	454
6	Improved indicators of water use performance and productivity for sustainable water conservation and saving. Agricultural Water Management, 2012, 108, 39-51.	5.6	327
7	Estimating crop coefficients from fraction of ground cover and height. Irrigation Science, 2009, 28, 17-34.	2.8	326
8	Estimating reference evapotranspiration with the FAO Penmanâ€“Monteith equation using daily weather forecast messages. Agricultural and Forest Meteorology, 2007, 145, 22-35.	4.8	267
9	Spatial Patterns and Temporal Variability of Drought in Western Iran. Water Resources Management, 2009, 23, 439-455.	3.9	241
10	Climate trends and behaviour of drought indices based on precipitation and evapotranspiration in Portugal. Natural Hazards and Earth System Sciences, 2012, 12, 1481-1491.	3.6	206
11	Climate change and Mediterranean agriculture: Impacts on winter wheat and tomato crop evapotranspiration, irrigation requirements and yield. Agricultural Water Management, 2015, 147, 103-115.	5.6	194
12	Coping with salinity in irrigated agriculture: Crop evapotranspiration and water management issues. Agricultural Water Management, 2020, 227, 105832.	5.6	185
13	Evapotranspiration: Concepts and Future Trends. Journal of Irrigation and Drainage Engineering - ASCE, 1999, 125, 45-51.	1.0	165
14	Assessing the groundwater dynamics and impacts of water saving in the Hetao Irrigation District, Yellow River basin. Agricultural Water Management, 2010, 98, 301-313.	5.6	164
15	Two-dimensional modeling of water and nitrogen fate from sweet sorghum irrigated with fresh and blended saline waters. Agricultural Water Management, 2012, 111, 87-104.	5.6	162
16	Estimation of ETo with Hargreavesâ€“Samani and FAO-PM temperature methods for a wide range of climates in Iran. Agricultural Water Management, 2013, 121, 1-18.	5.6	156
17	Impacts of climate change on olive crop evapotranspiration and irrigation requirements in the Mediterranean region. Agricultural Water Management, 2014, 144, 54-68.	5.6	154
18	Implementing the dual crop coefficient approach in interactive software. 1. Background and computational strategy. Agricultural Water Management, 2012, 103, 8-24.	5.6	147

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19	Field evaluation of a multicomponent solute transport model in soils irrigated with saline waters. Journal of Hydrology, 2011, 407, 129-144.	5.4	145
20	Reference evapotranspiration estimate with limited weather data across a range of Mediterranean climates. Journal of Hydrology, 2013, 481, 166-176.	5.4	142
21	Assessing the effects of water table depth on water use, soil salinity and wheat yield: Searching for a target depth for irrigated areas in the upper Yellow River basin. Agricultural Water Management, 2013, 125, 46-60.	5.6	140
22	Soil macropore dynamics affected by tillage and irrigation for a silty loam alluvial soil in southern Portugal. Soil and Tillage Research, 2003, 70, 131-140.	5.6	139
23	Assessing basin irrigation and scheduling strategies for saving irrigation water and controlling salinity in the upper Yellow River Basin, China. Agricultural Water Management, 2007, 93, 109-122.	5.6	137
24	SPI-based drought category prediction using loglinear models. Journal of Hydrology, 2008, 354, 116-130.	5.4	132
25	Prediction of SPI Drought Class Transitions Using Markov Chains. Water Resources Management, 2007, 21, 1813-1827.	3.9	131
26	Drought Concepts and Characterization. Water International, 2006, 31, 37-49.	1.0	125
27	Validation of the FAO methodology for computing ETo with limited data. Application to south Bulgaria. Irrigation and Drainage, 2006, 55, 201-215.	1.7	119
28	Using MODFLOW and GIS to Assess Changes in Groundwater Dynamics in Response to Water Saving Measures in Irrigation Districts of the Upper Yellow River Basin. Water Resources Management, 2011, 25, 2035-2059.	3.9	118
29	The dual crop coefficient approach to estimate and partitioning evapotranspiration of the winter wheatâ€“summer maize crop sequence in North China Plain. Irrigation Science, 2013, 31, 1303-1316.	2.8	118
30	Evapotranspiration information reporting: II. Recommended documentation. Agricultural Water Management, 2011, 98, 921-929.	5.6	114
31	Partitioning evapotranspiration, yield prediction and economic returns of maize under various irrigation management strategies. Agricultural Water Management, 2014, 135, 27-39.	5.6	109
32	A precipitation-based regionalization for Western Iran and regional drought variability. Hydrology and Earth System Sciences, 2008, 12, 1309-1321.	4.9	108
33	Assessing economic impacts of deficit irrigation as related to water productivity and water costs. Biosystems Engineering, 2009, 103, 536-551.	4.3	108
34	Dual crop coefficient modelling applied to the winter wheatâ€“summer maize crop sequence in North China Plain: Basal crop coefficients and soil evaporation component. Agricultural Water Management, 2013, 117, 93-105.	5.6	106
35	Higher performance through combined improvements in irrigation methods and scheduling: a discussion. Agricultural Water Management, 1999, 40, 153-169.	5.6	105
36	Drought class transition analysis through Markov and Loglinear models, an approach to early warning. Agricultural Water Management, 2005, 77, 59-81.	5.6	105

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37	Fluxes through the bottom boundary of the root zone in silty soils: Parametric approaches to estimate groundwater contribution and percolation. Agricultural Water Management, 2006, 84, 27-40.	5.6	102
38	Soil water balance models for determining crop water and irrigation requirements and irrigation scheduling focusing on the FAO56 method and the dual Kc approach. Agricultural Water Management, 2020, 241, 106357.	5.6	100
39	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. Agricultural Water Management, 2014, 144, 81-97.	5.6	99
40	Evapotranspiration and crop coefficients for a super intensive olive orchard. An application of SIMDualKc and METRIC models using ground and satellite observations. Journal of Hydrology, 2014, 519, 2067-2080.	5.4	98
41	Water, Agriculture and Food: Challenges and Issues. Water Resources Management, 2017, 31, 2985-2999.	3.9	98
42	Analysis of SPI drought class transitions using loglinear models. Journal of Hydrology, 2006, 331, 349-359.	5.4	97
43	Coping with Water Scarcity. , 2009, , .		96
44	Implementing the dual crop coefficient approach in interactive software: 2. Model testing. Agricultural Water Management, 2012, 103, 62-77.	5.6	93
45	Modelling surface resistance from climatic variables?. Agricultural Water Management, 2000, 42, 371-385.	5.6	91
46	Estimating Evaporation from Bare Soil and the Crop Coefficient for the Initial Period Using Common Soils Information. Journal of Irrigation and Drainage Engineering - ASCE, 2005, 131, 14-23.	1.0	91
47	Model validation and crop coefficients for irrigation scheduling in the North China plain. Agricultural Water Management, 1998, 36, 233-246.	5.6	89
48	Modelling transpiration, soil evaporation and yield prediction of soybean in North China Plain. Agricultural Water Management, 2015, 147, 43-53.	5.6	89
49	Responses of drip irrigated tomato (Solanum lycopersicum L.) yield, quality and water productivity to various soil matric potential thresholds in an arid region of Northwest China. Agricultural Water Management, 2013, 129, 181-193.	5.6	87
50	Irrigation scheduling strategies for cotton to cope with water scarcity in the Fergana Valley, Central Asia. Agricultural Water Management, 2009, 96, 723-735.	5.6	86
51	Spatial and temporal variability of precipitation and drought in Portugal. Natural Hazards and Earth System Sciences, 2012, 12, 1493-1501.	3.6	82
52	Modeling malt barley water use and evapotranspiration partitioning in two contrasting rainfall years. Assessing AquaCrop and SIMDualKc models. Agricultural Water Management, 2015, 159, 239-254.	5.6	81
53	The dual crop coefficient approach using a density factor to simulate the evapotranspiration of a peach orchard: SIMDualKc model versus eddy covariance measurements. Irrigation Science, 2012, 30, 115-126.	2.8	79
54	Revised FAO Procedures for Calculating Evapotranspiration: Irrigation and Drainage Paper No. 56 with Testing in Idaho. , 2001, , 1.		78

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55	Remote sensing based indicators of changes in a mountain rural landscape of Northeast Portugal. Applied Geography, 2011, 31, 871-880.	3.7	73
56	Performance assessment of the FAO AquaCrop model for soil water, soil evaporation, biomass and yield of soybeans in North China Plain. Agricultural Water Management, 2015, 152, 57-71.	5.6	73
57	Modeling water use, transpiration and soil evaporation of spring wheatâ€“maize and spring wheatâ€“sunflower relay intercropping using the dual crop coefficient approach. Agricultural Water Management, 2016, 165, 211-229.	5.6	72
58	Modelling the local climate in island environments: water balance applications. Agricultural Water Management, 1999, 40, 393-403.	5.6	71
59	Non-water-stressed baselines for irrigation scheduling with infrared thermometers: A new approach. Irrigation Science, 2000, 19, 101-106.	2.8	68
60	Assessing impacts of surge-flow irrigation on water saving and productivity of cotton. Agricultural Water Management, 2007, 87, 115-127.	5.6	68
61	An Application of GPCC and NCEP/NCAR Datasets for Drought Variability Analysis in Iran. Water Resources Management, 2011, 25, 1075-1086.	3.9	67
62	Field assessment of the water saving potential with furrow irrigation in Fergana, Aral Sea basin. Agricultural Water Management, 2005, 77, 210-231.	5.6	65
63	GISAREGâ€"A GIS based irrigation scheduling simulation model to support improved water use. Agricultural Water Management, 2005, 77, 159-179.	5.6	64
64	Using the dual-Kc approach to model evapotranspiration of AlbariÃ±o vineyards (Vitis vinifera L. cv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.6	64
65	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. Agricultural Water Management, 2013, 126, 85-96.	5.6	63
66	Spatial patterns and temporal trends of precipitation in Iran. Theoretical and Applied Climatology, 2014, 115, 531-540.	2.8	62
67	Prediction of crop coefficients from fraction of ground cover and height. Background and validation using ground and remote sensing data. Agricultural Water Management, 2020, 241, 106197.	5.6	62
68	Estimation of Actual Crop Coefficients Using Remotely Sensed Vegetation Indices and Soil Water Balance Modelled Data. Remote Sensing, 2015, 7, 2373-2400.	4.0	61
69	Dual crop coefficients for maize in southern Brazil: Model testing for sprinkler and drip irrigation and mulched soil. Biosystems Engineering, 2013, 115, 291-310.	4.3	60
70	Modelling and multicriteria analysis of water saving scenarios for an irrigation district in the upper Yellow River Basin. Agricultural Water Management, 2007, 94, 93-108.	5.6	58
71	Effects of water deficits on growth, yield and water productivity of drip-irrigated onion (Allium cepa) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	57
72	Drip vs. surface irrigation: A comparison focussing on water saving and economic returns using multicriteria analysis applied to cotton. Biosystems Engineering, 2014, 122, 74-90.	4.3	52

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73	Stochastic Prediction of Drought Class Transitions. Water Resources Management, 2008, 22, 1277-1296.	3.9	51
74	Predicting Grapevine Water Status Based on Hyperspectral Reflectance Vegetation Indices. Remote Sensing, 2015, 7, 16460-16479.	4.0	51
75	Updated single and dual crop coefficients for tree and vine fruit crops. Agricultural Water Management, 2021, 250, 106645.	5.6	51
76	Regional Drought Modes in Iran Using the SPI: The Effect of Time Scale and Spatial Resolution. Water Resources Management, 2013, 27, 1661-1674.	3.9	50
77	Reference grass evapotranspiration with reduced data sets: Parameterization of the FAO Penman-Monteith temperature approach and the Hargeaves-Samani equation using local climatic variables. Agricultural Water Management, 2020, 240, 106210.	5.6	49
78	Satellite-based evapotranspiration of a super-intensive olive orchard: Application of METRIC algorithms. Biosystems Engineering, 2014, 128, 69-81.	4.3	48
79	Simulation of the soil water balance of wheat using daily weather forecast messages to estimate the reference evapotranspiration. Hydrology and Earth System Sciences, 2009, 13, 1045-1059.	4.9	47
80	Modelling soil water dynamics of full and deficit drip irrigated maize cultivated under a rain shelter. Biosystems Engineering, 2015, 132, 1-18.	4.3	47
81	Accuracy of daily estimation of grass reference evapotranspiration using ERA-Interim reanalysis products with assessment of alternative bias correction schemes. Agricultural Water Management, 2018, 210, 340-353.	5.6	46
82	A review of strategies, methods and technologies to reduce non-beneficial consumptive water use on farms considering the FAO56 methods. Agricultural Water Management, 2020, 239, 106267.	5.6	46
83	Water use by a groundwater dependent maize in a semi-arid region of Inner Mongolia: Evapotranspiration partitioning and capillary rise. Agricultural Water Management, 2015, 152, 222-232.	5.6	45
84	Monitoring water and NO3-N in irrigated maize fields in the Sorraia Watershed, Portugal. Agricultural Water Management, 2003, 60, 199-216.	5.6	44
85	Spatial variability analysis of reference evapotranspiration in Iran utilizing fine resolution gridded datasets. Agricultural Water Management, 2013, 126, 104-118.	5.6	44
86	Cotton irrigation scheduling in central Asia: model calibration and validation with consideration of groundwater contribution. Irrigation and Drainage, 2008, 57, 516-532.	1.7	43
87	Assessing reference evapotranspiration estimation from reanalysis weather products. An application to the Iberian Peninsula. International Journal of Climatology, 2017, 37, 2378-2397.	3.5	42
88	Using remote sensing energy balance and evapotranspiration to characterize montane landscape vegetation with focus on grass and pasture lands. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 159-172.	2.8	41
89	Assessing potato transpiration, yield and water productivity under various water regimes and planting dates using the FAO dual K c approach. Agricultural Water Management, 2018, 195, 11-24.	5.6	41
90	Spatial and Time Variability of Drought Based on SPI and RDI with Various Time Scales. Water Resources Management, 2018, 32, 1087-1100.	3.9	41

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91	Chapter 8. Water Requirements. , 2007, , 208-288.		39
92	Evapotranspiration of the Brazilian Pampa Biome: Seasonality and Influential Factors. Water (Switzerland), 2018, 10, 1864.	2.7	38
93	Runoff and erosion in volcanic soils of Azores: simulation with OPUS. Catena, 2004, 56, 199-212.	5.0	37
94	Field assessment of basin irrigation performance and water saving in Hetao, Yellow River basin: Issues to support irrigation systems modernisation. Biosystems Engineering, 2015, 136, 102-116.	4.3	37
95	Daily Reference Evapotranspiration for Hyper-Arid to Moist Sub-Humid Climates in Inner Mongolia, China: I. Assessing Temperature Methods and Spatial Variability. Water Resources Management, 2016, 30, 3769-3791.	3.9	37
96	Modelling of furrow irrigation. Advance with two-dimensional infiltration. Agricultural Water Management, 1995, 28, 201-221.	5.6	36
97	Model Validation, Crop Coefficients and Yield Response Factors for Maize Irrigation Scheduling based on Long-term Experiments. Biosystems Engineering, 2006, 95, 139-149.	4.3	36
98	Performance analysis of pressurized irrigation systems operating on-demand using flow-driven simulation models. Agricultural Water Management, 2008, 95, 154-162.	5.6	36
99	Modelling for Improved Irrigation Water Management in a Temperate Region of Northern Spain. Biosystems Engineering, 2006, 94, 151-163.	4.3	35
100	Decision Support System for Surface Irrigation Design. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 343-356.	1.0	35
101	Spatial patterns and temporal trends of daily precipitation indices in Iran. Climatic Change, 2014, 124, 239-253.	3.6	35
102	Comparing SPI and RDI Applied at Local Scale as Influenced by Climate. Water Resources Management, 2018, 32, 1071-1085.	3.9	35
103	Standard single and basal crop coefficients for field crops. Updates and advances to the FAO56 crop water requirements method. Agricultural Water Management, 2021, 243, 106466.	5.6	35
104	Simulating the fate of water in field soilâ€"crop environment. Journal of Hydrology, 2005, 315, 1-24.	5.4	34
105	Modelling for maize irrigation scheduling using long term experimental data from Plovdiv region, Bulgaria. Agricultural Water Management, 2011, 98, 675-683.	5.6	33
106	Hyperspectral-based predictive modelling of grapevine water status in the Portuguese Douro wine region. International Journal of Applied Earth Observation and Geoinformation, 2017, 58, 177-190.	2.8	33
107	Assessing drought cycles in SPI time series using a Fourier analysis. Natural Hazards and Earth System Sciences, 2015, 15, 571-585.	3.6	32
108	The dual Kc approach to assess maize and sweet sorghum transpiration and soil evaporation under saline conditions: Application of the SIMDualKc model. Agricultural Water Management, 2016, 177, 77-94.	5.6	32

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109	Standard single and basal crop coefficients for vegetable crops, an update of FAO56 crop water requirements approach. Agricultural Water Management, 2021, 243, 106196.	5.6	32
110	Space-time variability of hydrological drought and wetness in Iran using NCEP/NCAR and GPCC datasets. Hydrology and Earth System Sciences, 2010, 14, 1919-1930.	4.9	31
111	An evaluation of changes in a mountainous rural landscape of Northeast Portugal using remotely sensed data. Landscape and Urban Planning, 2011, 101, 253-261.	7.5	31
112	Computing FAO56 reference grass evapotranspiration PM-ETo from temperature with focus on solar radiation. Agricultural Water Management, 2019, 215, 86-102.	5.6	31
113	Regional analysis of irrigation water requirements using kriging. Agricultural Water Management, 1999, 40, 221-233.	5.6	30
114	Evaluating field measured soil hydraulic properties in water transport simulations using the RZWQM. Journal of Hydrology, 2000, 236, 78-90.	5.4	30
115	Andosols of Terceira, Azores: measurement and significance of soil hydraulic properties. Catena, 2004, 56, 145-154.	5.0	30
116	Assessing and modelling water use and the partition of evapotranspiration of irrigated hop (Humulus) Tj ETQq0 0 0 rgBT /Overlock 10 T Products, 2015, 77, 204-217.	5.2	30
117	MIRRIG: A decision support system for design and evaluation of microirrigation systems. Agricultural Water Management, 2009, 96, 691-701.	5.6	29
118	DEPIVOT: A model for center-pivot design and evaluation. Computers and Electronics in Agriculture, 2012, 87, 159-170.	7.7	29
119	Simulating Atrazine Transport Using Root Zone Water Quality Model for Iowa Soil Profiles. Journal of Environmental Quality, 1997, 26, 153-167.	2.0	28
120	Are drought occurrence and severity aggravating? A study on SPI drought class transitions using log-linear models and ANOVA-like inference. Hydrology and Earth System Sciences, 2012, 16, 3011-3028.	4.9	28
121	Vulnerability of Bulgarian agriculture to drought and climate variability with focus on rainfed maize systems. Natural Hazards, 2014, 74, 865-886.	3.4	28
122	Influence of Precipitation Changes on the SPI and Related Drought Severity. An Analysis Using Long-Term Data Series. Water Resources Management, 2016, 30, 5737-5757.	3.9	28
123	Water Use and Yield of Soybean under Various Irrigation Regimes and Severe Water Stress. Application of AquaCrop and SIMDualKc Models. Water (Switzerland), 2017, 9, 393.	2.7	28
124	Multi-scale modeling for water resources planning and management in rural basins. Agricultural Water Management, 2005, 77, 4-20.	5.6	27
125	SPI Modes of Drought Spatial and Temporal Variability in Portugal: Comparing Observations, PT02 and GPCC Gridded Datasets. Water Resources Management, 2015, 29, 487-504.	3.9	27
126	Daily reference crop evapotranspiration in the humid environments of Azores islands using reduced data sets: accuracy of FAO-PM temperature and Hargreaves-Samani methods. Theoretical and Applied Climatology, 2018, 134, 595-611.	2.8	27

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127	Evaluation of the RZWQM for the Simulation of Water and Nitrate Movement in Level-Basin, Fertigated Maize. Biosystems Engineering, 1998, 69, 331-341.	0.4	26
128	Water saving vs. farm economics in cotton surface irrigation: An application of multicriteria analysis. Agricultural Water Management, 2012, 115, 223-231.	5.6	26
129	Using the FAO dual crop coefficient approach to model water use and productivity of processing pea (Pisum sativum L.) as influenced by irrigation strategies. Agricultural Water Management, 2017, 189, 5-18.	5.6	26
130	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. Water (Switzerland), 2019, 11, 383.	2.7	26
131	Pressure-driven modeling for performance analysis of irrigation systems operating on demand. Agricultural Water Management, 2007, 90, 36-44.	5.6	25
132	Assessing yield, water productivity and farm economic returns of malt barley as influenced by the sowing dates and supplemental irrigation. Agricultural Water Management, 2017, 179, 132-143.	5.6	25
133	Overestimation of soybean crop transpiration by sap flow measurements under field conditions in Central Portugal. Irrigation Science, 1994, 14, 135.	2.8	23
134	Furrow irrigation design with multicriteria analysis. Biosystems Engineering, 2011, 109, 266-275.	4.3	23
135	Relationship between daily atmospheric circulation types and winter dry/wet spells in western Iran. International Journal of Climatology, 2012, 32, 1056-1068.	3.5	22
136	Stochastic modeling of basins microtopography: analysis of spatial variability and model testing. Irrigation Science, 2010, 28, 157-172.	2.8	21
137	Relating energy performance and water productivity of sprinkler irrigated maize, wheat and sunflower under limited water availability. Biosystems Engineering, 2010, 106, 195-204.	4.3	21
138	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. Theoretical and Applied Climatology, 2018, 134, 1115-1133.	2.8	21
139	Prediction of crop coefficients from fraction of ground cover and height: Practical application to vegetable, field and fruit crops with focus on parameterization. Agricultural Water Management, 2021, 252, 106663.	5.6	21
140	Pedo-transfer functions for estimating unsaturated hydraulic properties of Portuguese soils. European Journal of Soil Science, 1997, 48, 387-400.	3.9	21
141	Effect of Furrow Elevation Differences on Level-basin Performance. Transactions of the American Society of Agricultural Engineers, 1995, 38, 153-158.	0.9	20
142	Two-dimensional infiltration under furrow irrigation: modelling, its validation and applications. Agricultural Water Management, 1995, 27, 105-123.	5.6	20
143	Development of class pedotransfer functions for integrating water retention properties into Portuguese soil maps. Soil Research, 2013, 51, 262.	1.1	20
144	Predicting Maize Transpiration, Water Use and Productivity for Developing Improved Supplemental Irrigation Schedules in Western Uruguay to Cope with Climate Variability. Water (Switzerland), 2016, 8, 309.	2.7	20

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145	Remote sensing estimation of actual evapotranspiration and crop coefficients for a multiple land use arid landscape of southern Iran with limited available data. Journal of Hydroinformatics, 2014, 16, 1441-1460.	2.4	19
146	Development of ternary diagrams for estimating water retention properties using geostatistical approaches. Geoderma, 2014, 230-231, 229-242.	5.1	19
147	Comparing Sprinkler and Surface Irrigation for Wheat Using Multi-Criteria Analysis: Water Saving vs. Economic Returns. Water (Switzerland), 2017, 9, 50.	2.7	19
148	Daily grass reference evapotranspiration with Meteosat Second Generation shortwave radiation and reference ET products. Agricultural Water Management, 2021, 248, 106543.	5.6	19
149	Water Use and Soil Water Balance of Mediterranean Vineyards under Rainfed and Drip Irrigation Management: Evapotranspiration Partition and Soil Management Modelling for Resource Conservation. Water (Switzerland), 2022, 14, 554.	2.7	19
150	Flexible delivery schedules to improve farm irrigation and reduce pressure on groundwater: a case study in southern Italy. Irrigation Science, 2010, 28, 257-270.	2.8	18
151	SPI Drought Class Predictions Driven by the North Atlantic Oscillation Index Using Log-Linear Modeling. Water (Switzerland), 2016, 8, 43.	2.7	18
152	PROPOSED REVISION TO THE FAO PROCEDURE FOR ESTIMATING CROP WATER REQUIREMENTS. Acta Horticulturae, 1997, , 17-34.	0.2	17
153	Dynamics of mountain semi-natural grassland meadows inferred from SPOT-VEGETATION and field spectroradiometer data. International Journal of Remote Sensing, 2012, 33, 4334-4355.	2.9	17
154	Basin Irrigation Design with Multi-Criteria Analysis Focusing on Water Saving and Economic Returns: Application to Wheat in Hetao, Yellow River Basin. Water (Switzerland), 2018, 10, 67.	2.7	17
155	Evapotranspiration Partition and Crop Coefficients of Tifton 85 Bermudagrass as Affected by the Frequency of Cuttings. Application of the FAO56 Dual Kc Model. Water (Switzerland), 2018, 10, 558.	2.7	17
156	Using RZWQM to search improved practices for irrigated maize in Fergana, Uzbekistan. Agricultural Water Management, 2005, 77, 263-281.	5.6	15
157	Ground-Based GPS Measurements of Precipitable Water Vapor and Their Usefulness for Hydrological Applications. Water Resources Management, 2015, 29, 471-486.	3.9	15
158	Ecohydrology of groundwaterâ€dependent grasslands of the semiâ€arid Horqin sandy land of inner Mongolia focusing on evapotranspiration partition. Ecohydrology, 2016, 9, 1052-1067.	2.4	15
159	Estimating and partitioning maize evapotranspiration as affected by salinity using weighing lysimeters and the SIMDualKc model. Agricultural Water Management, 2022, 261, 107362.	5.6	15
160	Research Agenda on Sustainability of Irrigated Agriculture. Journal of Irrigation and Drainage Engineering - ASCE, 1996, 122, 172-177.	1.0	14
161	Atrazine Transport in Irrigated Heavy- and Coarse-Textured Soils, Part I: Field Studies. Biosystems Engineering, 2000, 76, 165-174.	0.4	14
162	Impacts of spatial variability of basins microtopography on irrigation performance. Irrigation Science, 2011, 29, 359-368.	2.8	14

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163	Innovation Issues in Water, Agriculture and Food. Water (Switzerland), 2019, 11, 1230.	2.7	14
164	DESERTIFICATION, TERRITORY AND PEOPLE, A HOLISTIC APPROACH IN THE PORTUGUESE CONTEXT. , 2006, , 269-289.		14
165	Water Use: Recycling and Desalination for Agriculture. , 2014, , 407-424.		13
166	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. Water Resources Management, 2016, 30, 3793-3814.	3.9	13
167	Assessing the impact of flow regulators with a pressure-driven performance analysis model. Agricultural Water Management, 2007, 90, 27-35.	5.6	12
168	Irrigation scheduling for furrow-irrigated maize under climate uncertainties in the Thrace plain, Bulgaria. Biosystems Engineering, 2008, 99, 587-597.	4.3	12
169	Multicriteria analysis for design of microirrigation systems. Application and sensitivity analysis. Agricultural Water Management, 2009, 96, 702-710.	5.6	12
170	Transpiration and Water Use of an Irrigated Traditional Olive Grove with Sap-Flow Observations and the FAO56 Dual Crop Coefficient Approach. Water (Switzerland), 2021, 13, 2466.	2.7	12
171	EVAPOTRANSPIRATION ESTIMATION FROM INFRARED SURFACE TEMPERATURE. I: THE PERFORMANCE OF THE FLUX EQUATION. Transactions of the American Society of Agricultural Engineers, 2000, 43, 591-598.	0.9	11
172	Design and Performance Analysis of Low Pressure Irrigation Distribution Systems. Irrigation and Drainage Systems, 2003, 17, 305-324.	0.5	10
173	Multi-band remote sensing based retrieval model and 3D analysis of water depth in Hulun Lake, China. Mathematical and Computer Modelling, 2013, 58, 771-781.	2.0	10
174	Measuring conveyance efficiencies to improve irrigation water management. Irrigation and Drainage Systems, 1987, 1, 267-276.	0.5	9
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