

# Pau Marti

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,263  
citations

304368

22  
h-index

414034

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1058  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of heuristic and empirical approaches for estimating reference evapotranspiration from limited inputs in Iran. <i>Computers and Electronics in Agriculture</i> , 2014, 108, 230-241.	3.7	134
2	Global performance ranking of temperature-based approaches for evapotranspiration estimation considering Köppen climate classes. <i>Journal of Hydrology</i> , 2015, 528, 514-522.	2.3	129
3	Modeling reference evapotranspiration with calculated targets. Assessment and implications. <i>Agricultural Water Management</i> , 2015, 149, 81-90.	2.4	96
4	Generalizability of Gene Expression Programming-based approaches for estimating daily reference evapotranspiration in coastal stations of Iran. <i>Journal of Hydrology</i> , 2014, 508, 1-11.	2.3	91
5	Evaluation of gene expression programming approaches for estimating daily evaporation through spatial and temporal data scanning. <i>Hydrological Processes</i> , 2014, 28, 1215-1225.	1.1	72
6	Artificial neural networks vs. Gene Expression Programming for estimating outlet dissolved oxygen in micro-irrigation sand filters fed with effluents. <i>Computers and Electronics in Agriculture</i> , 2013, 99, 176-185.	3.7	69
7	Global cross-station assessment of neuro-fuzzy models for estimating daily reference evapotranspiration. <i>Journal of Hydrology</i> , 2013, 480, 46-57.	2.3	52
8	Local vs. external training of neuro-fuzzy and neural networks models for estimating reference evapotranspiration assessed through k-fold testing. <i>Hydrology Research</i> , 2015, 46, 72-88.	1.1	49
9	Effects of long-term summer deficit irrigation on "Navelina" citrus trees. <i>Agricultural Water Management</i> , 2016, 169, 140-147.	2.4	48
10	Independent testing for assessing the calibration of the Hargreaves-Samani equation: New heuristic alternatives for Iran. <i>Computers and Electronics in Agriculture</i> , 2015, 117, 70-80.	3.7	44
11	Evaluation of different data management scenarios for estimating daily reference evapotranspiration. <i>Hydrology Research</i> , 2013, 44, 1058-1070.	1.1	43
12	Parametric expressions for the adjusted Hargreaves coefficient in Eastern Spain. <i>Journal of Hydrology</i> , 2015, 529, 1713-1724.	2.3	42
13	Evaluating the generalizability of GEP models for estimating reference evapotranspiration in distant humid and arid locations. <i>Theoretical and Applied Climatology</i> , 2017, 130, 377-389.	1.3	42
14	Reference evapotranspiration estimation without local climatic data. <i>Irrigation Science</i> , 2011, 29, 479-495.	1.3	39
15	Generalization of ETo ANN Models through Data Supplanting. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 161-174.	0.6	33
16	Data splitting strategies for improving data driven models for reference evapotranspiration estimation among similar stations. <i>Computers and Electronics in Agriculture</i> , 2019, 162, 70-81.	3.7	33
17	Ancillary data supply strategies for improvement of temperature-based ETo ANN models. <i>Agricultural Water Management</i> , 2010, 97, 939-955.	2.4	30
18	Modeling the variability of solar radiation data among weather stations by means of principal components analysis. <i>Applied Energy</i> , 2011, 88, 2775-2784.	5.1	30

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19	Improvement of temperature-based ANN models for solar radiation estimation through exogenous data assistance. <i>Energy Conversion and Management</i> , 2011, 52, 990-1003.	4.4	30
20	An artificial neural network approach to the estimation of stem water potential from frequency domain reflectometry soil moisture measurements and meteorological data. <i>Computers and Electronics in Agriculture</i> , 2013, 91, 75-86.	3.7	27
21	Integrated Emitter Local Loss Prediction Using Artificial Neural Networks. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 11-22.	0.6	25
22	Supplanting missing climatic inputs in classical and random forest models for estimating reference evapotranspiration in humid coastal areas of Iran. <i>Computers and Electronics in Agriculture</i> , 2020, 176, 105633.	3.7	22
23	Adjustment of the Angstrom-Prescott equation from Campbell-Stokes and Kipp-Zonen sunshine measures at different timescales in Spain. <i>Renewable Energy</i> , 2020, 154, 337-350.	4.3	22
24	Multivariate statistical monitoring of ETo: A new approach for estimation in nearby locations using geographical inputs. <i>Agricultural and Forest Meteorology</i> , 2012, 152, 125-134.	1.9	17
25	Alternative heuristics equations to the Priestley-Taylor approach: assessing reference evapotranspiration estimation. <i>Theoretical and Applied Climatology</i> , 2019, 138, 831-848.	1.3	15
26	Assessing temporal data partitioning scenarios for estimating reference evapotranspiration with machine learning techniques in arid regions. <i>Journal of Hydrology</i> , 2020, 590, 125252.	2.3	15
27	Assessment of a 4-input artificial neural network for ETo estimation through data set scanning procedures. <i>Irrigation Science</i> , 2010, 29, 181.	1.3	7
28	Discussion of "Forecasting Weekly Evapotranspiration with ARIMA and Artificial Neural Network Models" by G. Landeras, A. Ortiz-Barredo, and J. J. López. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 435-438.	0.6	3
29	Discussion of "Estimating Evapotranspiration Using Artificial Neural Network and Minimum Climatological Data" by S. S. Zanetti, E. F. Sousa, V. P. S. Oliveira, F. T. Almeida, and S. Bernardo. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 440-444.	0.6	1
30	Discussion of "Assessment of Reference Evapotranspiration by the Hargreaves Method in the Bekaa Valley, Lebanon" by Roula Bachour, Wynn R. Walker, Alfonso F. Torres-Rua, and Mac McKee. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, 07014053.	0.6	1
31	Discussion of "Estimating Evapotranspiration Using an Extreme Learning Machine Model: Case Study in North Bihar, India" by Deepak Kumar, Jan Adamowski, Ram Suresh, and Bogdan Ozga-Zielinski. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, 07018017.	0.6	1
32	Discussion of "Modification of the Hargreaves-Samani Model for Estimating Solar Radiation from Temperature and Humidity Data" by John D. Valiantzas. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, 07018038.	0.6	1
33	Discussion of "Hydraulic and Statistical Analyses of Design Emission Uniformity of Trickle Irrigation Systems" by Jafar Safaa Noori and Hayder A. Al-Thamiry. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 1045-1048.	0.6	0
34	Discussion of "Evapotranspiration Modeling Using Second-Order Neural Networks" by Sirisha Adamala, N. S. Raghuwanshi, Ashok Mishra, and Mukesh K. Tiwari. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, 07015014.	0.8	0
35	Discussion of "Evaluation of Some Net Radiation Models for Improving Daily Reference Evapotranspiration Estimation in Iran" by A. A. Sabziparvar, R. Mirgaloybayat, S. Marofi, H. Zare-Abyaneh, and M. Khodamorad Pour. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, 07017017.	0.6	0
36	Discussion of "Evaluation of Temperature-Based Methods for the Estimation of Reference Evapotranspiration in the Yucatán Peninsula, Mexico" by Victor H. Quej, Javier Almorox, Javier A. Arnaldo, and Rubén Moratíel. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 07020010.	0.8	0

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37	Discussion of "Evaluation of the Vapor Pressure Models in the Estimation of Actual Vapor Pressure and Evapotranspiration" by Hitesh Upreti and C. S. P. Ojha. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, 07019014.	0.6	0