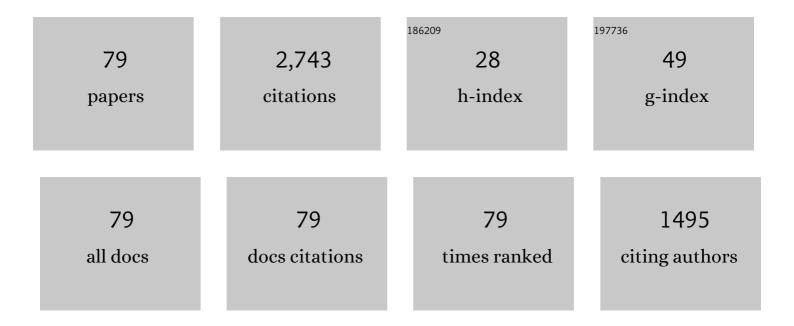
List of Publications by Year in descending order

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ENDIOLLE DLAVÃ:N

#	Article	IF	CITATIONS
1	Modernization and optimization of irrigation systems to increase water productivity. Agricultural Water Management, 2006, 80, 100-116.	2.4	317
2	Irrigation modernization and water conservation in Spain: The case of Riegos del Alto Aragón. Agricultural Water Management, 2010, 97, 1663-1675.	2.4	158
3	Day and night wind drift and evaporation losses in sprinkler solid-sets and moving laterals. Agricultural Water Management, 2005, 76, 139-159.	2.4	142
4	Yield–rainfall relationships in cereal cropping systems in the Ebro river valley of Spain. European Journal of Agronomy, 1998, 8, 239-248.	1.9	92
5	Assessing sprinkler irrigation uniformity using a ballistic simulation model. Agricultural Water Management, 2006, 84, 89-100.	2.4	86
6	Wind effects on solid set sprinkler irrigation depth and yield of maize (Zea mays). Irrigation Science, 2003, 22, 67-77.	1.3	83
7	Comparison of Fixed and Rotating Spray Plate Sprinklers. Journal of Irrigation and Drainage Engineering - ASCE, 2001, 127, 224-233.	0.6	80
8	Irrigation performance in private urban landscapes: A study case in Zaragoza (Spain). Landscape and Urban Planning, 2011, 100, 302-311.	3.4	72
9	Analysis of an irrigation district in northeastern Spain. Agricultural Water Management, 2003, 61, 75-92.	2.4	61
10	Twoâ€Đimensional Simulation of Basin Irrigation. I: Theory. Journal of Irrigation and Drainage Engineering - ASCE, 1994, 120, 837-856.	0.6	60
11	Contribution of Evapotranspiration Reduction during Sprinkler Irrigation to Application Efficiency. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 745-756.	0.6	58
12	A photographic method for drop characterization in agricultural sprinklers. Irrigation Science, 2009, 27, 307-317.	1.3	58
13	A case study for irrigation modernisation: II. Agricultural Water Management, 2000, 42, 335-354.	2.4	54
14	Analysis of an irrigation district in northeastern Spain. Agricultural Water Management, 2003, 61, 93-109.	2.4	54
15	A case study for irrigation modernisation. Agricultural Water Management, 2000, 42, 313-334.	2.4	53
16	Irrigation evaluation and simulation at the Irrigation District V of Bardenas (Spain). Agricultural Water Management, 2005, 73, 223-245.	2.4	52
17	Seasonal on-farm irrigation performance in the Ebro basin (Spain): Crops and irrigation systems. Agricultural Water Management, 2011, 98, 577-587.	2.4	50
18	Solute Transport Modeling in Overland Flow Applied to Fertigation. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 33-40.	0.6	46

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19	Irrigation Modernization in Spain: Effects on Water Quantity and Quality—A Conceptual Approach. International Journal of Water Resources Development, 2010, 26, 265-282.	1.2	45
20	Modeling Microtopography in Basin Irrigation. Journal of Irrigation and Drainage Engineering - ASCE, 1996, 122, 339-347.	0.6	43
21	Border fertigation: field experiments and a simple model. Irrigation Science, 1997, 17, 163-171.	1.3	41
22	Simulation of 1D surface and 2D subsurface water flow and nitrate transport in alternate and conventional furrow fertigation. Irrigation Science, 2013, 31, 301-316.	1.3	41
23	From on-farm solid-set sprinkler irrigation design to collective irrigation network design in windy areas. Agricultural Water Management, 2007, 87, 187-199.	2.4	39
24	Performance of Rotating Spray Plate Sprinklers in Indoor Experiments. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 376-380.	0.6	37
25	Coupled Crop and Solid Set Sprinkler Simulation Model. I: Model Development. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 499-510.	0.6	35
26	Simulation of a Collective Solid-Set Sprinkler Irrigation Controller for Optimum Water Productivity. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 13-24.	0.6	32
27	Twoâ€Đimensional Simulation of Basin Irrigation. II: Applications. Journal of Irrigation and Drainage Engineering - ASCE, 1994, 120, 857-870.	0.6	31
28	Characterizing pivot sprinklers using an experimental irrigation machine. Agricultural Water Management, 2004, 70, 177-193.	2.4	31
29	Coupled Crop and Solid Set Sprinkler Simulation Model. II: Model Application. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 511-519.	0.6	28
30	Assessing low-pressure solid-set sprinkler irrigation in maize. Agricultural Water Management, 2017, 191, 37-49.	2.4	27
31	Low-pressure sprinkler irrigation in maize: Differences in water distribution above and below the crop canopy. Agricultural Water Management, 2018, 203, 353-365.	2.4	27
32	A database program for enhancing irrigation district management in the Ebro Valley (Spain). Agricultural Water Management, 2007, 87, 209-216.	2.4	26
33	Fertigation in Furrows and Level Furrow Systems. I: Model Description and Numerical Tests. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 401-412.	0.6	26
34	Salinity-Grain Yield Response Functions of Barley Cultivars Assessed with a Drip-Injection Irrigation System. Soil Science Society of America Journal, 2000, 64, 359-365.	1.2	25
35	Day and night time sprinkler irrigated tomato: Irrigation performance and crop yield. Biosystems Engineering, 2010, 107, 25-35.	1.9	25
36	Optimum Design of Alternate and Conventional Furrow Fertigation to Minimize Nitrate Loss. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 911-921.	0.6	25

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37	Surface fertigation: a review, gaps and needs. Spanish Journal of Agricultural Research, 2014, 12, 820.	0.3	25
38	Characterizing microtopographical effects on level-basin irrigation performance. Agricultural Water Management, 1996, 29, 129-145.	2.4	24
39	Numerical Modeling of Basin Irrigation with an Upwind Scheme. Journal of Irrigation and Drainage Engineering - ASCE, 2002, 128, 212-223.	0.6	24
40	Kinetic energy in sprinkler irrigation: different sources of drop diameter and velocity. Irrigation Science, 2012, 30, 29-41.	1.3	24
41	Simulating Elevation and Infiltration in Level-Basin Irrigation. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 78-84.	0.6	23
42	A particle tracking velocimetry technique for drop characterization in agricultural sprinklers. Irrigation Science, 2014, 32, 437-447.	1.3	22
43	Assessing alternate furrow strategies for potato at the Cherfech irrigation district of Tunisia. Biosystems Engineering, 2011, 108, 154-163.	1.9	21
44	Overland water and salt flows in a set of rice paddies. Agricultural Water Management, 2008, 95, 645-658.	2.4	20
45	Irrigation Governance in Developing Countries: Current Problems and Solutions. Water (Switzerland), 2018, 10, 1118.	1.2	20
46	Simulation of Maize Grain Yield Variability within a Surface-Irrigated Field. Agronomy Journal, 2001, 93, 773-782.	0.9	19
47	Field Verification of Two-Dimensional Surface Irrigation Model. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 402-411.	0.6	19
48	Fertigation in Furrows and Level Furrow Systems. II: Field Experiments, Model Calibration, and Practical Applications. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 413-420.	0.6	19
49	Dynamic model for water application using centre pivot irrigation. Biosystems Engineering, 2010, 105, 476-485.	1.9	18
50	Effect of the start–stop cycle of center-pivot towers on irrigation performance: Experiments and simulations. Agricultural Water Management, 2015, 147, 163-174.	2.4	18
51	Farmers' scheduling patterns in on-demand pressurized irrigation. Agricultural Water Management, 2011, 102, 86-96.	2.4	17
52	Assessing telemetry and remote control systems for water users associations in Spain. Agricultural Water Management, 2018, 202, 89-98.	2.4	16
53	Application of a topographic 3D scanner to irrigation research. Irrigation Science, 2010, 28, 245-256.	1.3	14
54	Discharge Coefficient Analysis for Triangular Sharp-Crested Weirs Using Low-Speed Photographic Technique. Journal of Irrigation and Drainage Engineering - ASCE, 2014, 140, .	0.6	14

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55	A modified particle tracking velocimetry technique to characterize sprinkler irrigation drops. Irrigation Science, 2017, 35, 515-531.	1.3	14
56	Water storage in soils during the fallow: prediction of the effects of rainfall pattern and soil conditions in the Ebro valley of Spain. Agricultural Water Management, 1998, 36, 213-231.	2.4	13
57	Elevation and infiltration in a level basin. II. Impact on soil water and corn yield. Irrigation Science, 2000, 19, 165-173.	1.3	13
58	Simulation Model for Level Furrows. I: Analysis of Field Experiments. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 106-112.	0.6	13
59	Model for the Simulation of Water Flows in Irrigation Districts. I: Description. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 310-321.	0.6	13
60	Instruments for Water Quantity and Quality Management in the Agriculture of Aragon. International Journal of Water Resources Development, 2007, 23, 147-164.	1.2	13
61	Software for on-farm irrigation scheduling of stone fruit orchards under water limitations. Computers and Electronics in Agriculture, 2012, 88, 52-62.	3.7	13
62	Initial Drop Velocity in a Fixed Spray Plate Sprinkler. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 521-531.	0.6	13
63	Simulation of sprinkler irrigation water uniformity impact on corn yield. Spanish Journal of Agricultural Research, 2010, 8, 143.	0.3	13
64	Solid-Set Sprinkler Irrigation Controllers Driven by Simulation Models: Opportunities and Bottlenecks. Journal of Irrigation and Drainage Engineering - ASCE, 2014, 140, .	0.6	12
65	Distribution and loss of water and nitrate under alternate and conventional furrow fertigation. Spanish Journal of Agricultural Research, 2012, 10, 849.	0.3	11
66	Field test of an automatic controller for solid-set sprinkler irrigation. Irrigation Science, 2013, 31, 1237-1249.	1.3	10
67	Effect of micro-dams on water flow characteristics in furrow irrigation. Irrigation Science, 2020, 38, 307-319.	1.3	10
68	Radial Flow Modeling for Estimating Level-Basin Irrigation Parameters. Journal of Irrigation and Drainage Engineering - ASCE, 1997, 123, 229-237.	0.6	8
69	A New Dripâ€Injection Irrigation System for Crop Salt Tolerance Evaluation. Soil Science Society of America Journal, 1999, 63, 1397-1403.	1.2	8
70	Model for the Simulation of Water Flows in Irrigation Districts. II: Application. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 322-331.	0.6	8
71	Water Reuse in Sequential Basin Irrigation. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 362-370.	0.6	7
72	Simulation Model for Level Furrows. II: Description, Validation, and Application. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 113-121.	0.6	7

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73	A simulation tool for advanced design and management of collective sprinkler-irrigated areas: a study case. Irrigation Science, 2017, 35, 327-345.	1.3	7
74	A 2D curvilinear coupled surface–subsurface flow model for simulation of basin/border irrigation: theory, validation and application. Irrigation Science, 2019, 37, 151-168.	1.3	7
75	Limitations to adopting regulated deficit irrigation in stone fruit orchards: a case study. Spanish Journal of Agricultural Research, 2013, 11, 529.	0.3	6
76	Closure to "Contribution of Evapotranspiration Reduction during Sprinkler Irrigation to Application Efficiency―by A. MartÃnez-Cob, E. Playán, N. Zapata, J. Cavero, E. T. Medina, and M. Puig. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 671-672.	0.6	3
77	Assessing zebra mussel colonization of collective pressurized irrigation networks through pressure measurements and simulations. Agricultural Water Management, 2018, 204, 301-313.	2.4	2
78	Closure to "Discharge Coefficient Analysis for Triangular Sharp-Crested Weirs Using Low-Speed Photographic Technique―by C. Bautista-Capetillo, O. Robles, H. Júnez-Ferreira, and E. Playán. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, 07014067.	0.6	1
79	Normalized pressure: a key variable to assess zebra mussel infestation in pressurized irrigation networks. Agricultural Water Management, 2022, 260, 107300.	2.4	1