

Fernando França da Cunha

List of Publications by Year in descending order

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85
papers

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times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of reference evapotranspiration in Brazil with limited meteorological data using ANN and SVM – A new approach. <i>Journal of Hydrology</i> , 2019, 572, 556-570.	5.4	197
2	New approach to estimate daily reference evapotranspiration based on hourly temperature and relative humidity using machine learning and deep learning. <i>Agricultural Water Management</i> , 2020, 234, 106113.	5.6	116
3	Multi-step ahead forecasting of daily reference evapotranspiration using deep learning. <i>Computers and Electronics in Agriculture</i> , 2020, 178, 105728.	7.7	78
4	Crop NDVI Monitoring Based on Sentinel 1. <i>Remote Sensing</i> , 2019, 11, 1441.	4.0	64
5	Soil water content and actual evapotranspiration predictions using regression algorithms and remote sensing data. <i>Agricultural Water Management</i> , 2020, 241, 106346.	5.6	34
6	Impact of drought associated with high temperatures on <i>Coffea canephora</i> plantations: a case study in EspÃrito Santo State, Brazil. <i>Scientific Reports</i> , 2020, 10, 19719.	3.3	31
7	IrrigaÃ£o de pastagem: atualidade e recomendaÃµes para uso e manejo. <i>Revista Brasileira De Zootecnia</i> , 2009, 38, 98-108.	0.8	24
8	Reference evapotranspiration of Brazil modeled with machine learning techniques and remote sensing. <i>PLoS ONE</i> , 2021, 16, e0245834.	2.5	19
9	Exploring machine learning and multi-task learning to estimate meteorological data and reference evapotranspiration across Brazil. <i>Agricultural Water Management</i> , 2022, 259, 107281.	5.6	18
10	Multivariate adaptive regression splines (MARS) applied to daily reference evapotranspiration modeling with limited weather data. <i>Acta Scientiarum - Agronomy</i> , 2018, 41, 39880.	0.6	15
11	Sugarcane spatial-temporal monitoring and crop coefficient estimation through NDVI. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2019, 23, 330-335.	1.1	15
12	New approach to determining the surface temperature without thermal band of satellites. <i>European Journal of Agronomy</i> , 2019, 106, 12-22.	4.1	14
13	Improvement of Hargreaves’s Samani Reference Evapotranspiration Estimates with Local Calibration. <i>Water (Switzerland)</i> , 2019, 11, 2272.	2.7	14
14	Yield and fruit quality attributes of selected tomato introgression lines subjected to long-term deficit irrigation. <i>Scientia Horticulturae</i> , 2021, 289, 110426.	3.6	14
15	Evapotranspiration and crop coefficients of Italian zucchini cultivated with recycled paper as mulch. <i>PLoS ONE</i> , 2020, 15, e0232554.	2.5	13
16	Performance of SAFER evapotranspiration using missing meteorological data. <i>Agricultural Water Management</i> , 2020, 233, 106076.	5.6	13
17	Evaluation of anatomical and physiological traits of <i>Solanum pennellii</i> Cor. associated with plant yield in tomato plants under water-limited conditions. <i>Scientific Reports</i> , 2020, 10, 16052.	3.3	11
18	Fusion of MODIS and Landsat-Like Images for Daily High Spatial Resolution NDVI. <i>Remote Sensing</i> , 2020, 12, 1297.	4.0	11

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19	Calibration methods for the Hargreaves-Samani equation. <i>Ciencia E Agrotecnologia</i> , 2018, 42, 104-114.	1.5	10
20	Sistema radicular de seis gramíneas irrigadas em diferentes adubações nitrogenadas e manejos. <i>Acta Scientiarum - Agronomy</i> , 2010, 32, .	0.6	9
21	Increase in pea productivity associated with irrigation management. <i>Horticultura Brasileira</i> , 2018, 36, 178-183.	0.5	9
22	Mapping within-field variability of soybean evapotranspiration and crop coefficient using the Earth Engine Evaporation Flux (EEFlux) application. <i>PLoS ONE</i> , 2020, 15, e0235620.	2.5	9
23	Partial root-zone drying in field-grown papaya: Gas exchange, yield, and water use efficiency. <i>Agricultural Water Management</i> , 2021, 243, 106421.	5.6	9
24	Uniformidade de distribuição em sistemas de irrigação por gotejamento utilizando água residual da despolpa dos frutos do cafeeiro. <i>Acta Scientiarum - Agronomy</i> , 2006, 28, 143.	0.6	8
25	Alternatives of storage of corn grains for the conditions of the brazilian cerrado. <i>Bioscience Journal</i> , 2016, 32, 29-40.	0.4	8
26	Produtividade da <i>Brachiaria brizantha</i> cv. Xaraés em diferentes manejos e doses de adubação, períodos de descanso e épocas do ano. <i>Idesia</i> , 2012, 30, 75-82.	0.3	8
27	Comparison and calibration of terraclimate climatological variables over the Brazilian territory. <i>Journal of South American Earth Sciences</i> , 2022, 117, 103882.	1.4	8
28	Características morfológicas e perfolhamento do <i>Panicum maximum</i> Jacq. cv. Tanzania irrigado. <i>Ciencia E Agrotecnologia</i> , 2007, 31, 628-635.	1.5	7
29	Altura de capins e cobertura do solo sob adubação nitrogenada, irrigação e pastejo nas estações do ano. <i>Acta Scientiarum - Agronomy</i> , 2010, 32, .	0.6	7
30	Agronomic performance of lettuce cultivars submitted to different irrigation depths. <i>PLoS ONE</i> , 2019, 14, e0224264.	2.5	7
31	Evapotranspiration mapping of commercial corn fields in Brazil using SAFER algorithm. <i>Scientia Agricola</i> , 2021, 78, .	1.2	7
32	EFICIÊNCIA DO USO DA ÁGUA PELO MILHO DOCE EM DIFERENTES LÂMINAS DE IRRIGAÇÃO E ADUBAÇÃO NITROGENADA EM COBERTURA. <i>Revista Brasileira De Agricultura Irrigada</i> , 2016, 10, 750-757.	0.2	7
33	Penman-Monteith with missing data and Hargreaves-Samani for ETo estimation in Espírito Santo state, Brazil. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2019, 23, 153-159.	1.1	6
34	Water regimes on soil covered with plastic film mulch and relationships with soil water availability, yield, and water use efficiency of papaya trees. <i>Agricultural Water Management</i> , 2022, 269, 107709.	5.6	6
35	Mapping of corn phenological stages using NDVI from OLI and MODIS sensors. <i>Semina:Ciencias Agrarias</i> , 2020, 42, 1517-1534.	0.3	5
36	Generalizability of machine learning models and empirical equations for the estimation of reference evapotranspiration from temperature in a semiarid region. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200304.	0.8	5

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37	Evapotranspiration for irrigated agriculture using orbital satellites. Bioscience Journal, 0, , 670-678.	0.4	5
38	Mulching materials and wetted soil percentages on zucchini cultivation. Ciencia E Agrotecnologia, 0, 44, .	1.5	5
39	Effect of irrigation and nitrogen fertilization on agronomic traits of sweet corn1. Pesquisa Agropecuaria Tropical, 2015, 45, 282-290.	1.0	5
40	Produção de seis gramíneas manejadas por corte sob efeito de diferentes lâminas de irrigação e estações anuais. Ciencia E Agrotecnologia, 2009, 33, 1307-1313.	1.5	4
41	Selecting models for the estimation of reference evapotranspiration for irrigation scheduling purposes. PLoS ONE, 2021, 16, e0245270.	2.5	4
42	OBSTRUÇÃO DE GOTEJADORES UTILIZADOS PARA A APLICAÇÃO DE ÁGUA RESIDUÁRIA DA DESPOLPA DOS FRUTOS DO CAFEIRO. Irriga, 2005, 10, 299-305.	0.1	4
43	IRRIGAÇÃO DE CULTIVARES DE RABANETE EM DIFERENTES %POCAS DE CULTIVO NO NORDESTE SUL-MATO-GROSSENSE. Irriga, 2017, 22, 530-546.	0.1	4
44	Produção de capins cultivados sob pastejo em diferentes lâminas de irrigação e estações anuais. Revista Brasileira De Engenharia Agricola E Ambiental, 2009, 13, 680-686.	1.1	4
45	A smartphone APP for weather-based irrigation scheduling using artificial neural networks. Pesquisa Agropecuaria Brasileira, 0, 55, .	0.9	4
46	Performance of arugula genotypes under irrigation depths on Brazilian Cerrado. Ciencia E Agrotecnologia, 2018, 42, 271-280.	1.5	3
47	Controlled water stress in agricultural crops in brazilian cerrado. Bioscience Journal, 2020, 36, .	0.4	3
48	MODELOS EMPÍRICOS DA APLICAÇÃO DE ÁGUA RESIDUÁRIA DE SUINOCULTURA POR GOTEJADORES SOB PRESSÕES DE SERVIÇO. Irriga, 2016, 21, 648-661.	0.1	3
49	Contribution of Morphological Variables in Garlic Bulb Yield. Hortscience: A Publication of the American Society for Horticultural Science, 2020, 55, 896-897.	1.0	3
50	Irrigation of radish cultivars in the region of Viçosa, Minas Gerais, Brazil. Revista Ciencia Agronomica, 2020, 51, .	0.3	3
51	CARACTERÍSTICAS DA ESPIGA DO MILHO DOCE PRODUZIDO SOB DIFERENTES LÂMINAS DE IRRIGAÇÃO E DOSES NITROGENADAS. Revista Engenharia Na Agricultura - REVENG, 2016, 24, 50-62.	0.2	3
52	Formação de biofilme em gotejadores aplicando água residuária da despolpa dos frutos do cafeeiro. Acta Scientiarum - Agronomy, 2007, 29, .	0.6	2
53	Desempenho agrônomico de cultivares de cevada cervejeira sob diferentes lâminas de irrigação. Semina:Ciencias Agrarias, 2015, 36, 89.	0.3	2
54	Irrigation of arugula cultivars in the region of Zona da Mata Mineira. Semina:Ciencias Agrarias, 2019, 40, 1101.	0.3	2

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55	A new methodological approach for simulating water deficit in soybean genotypes. Journal of Agronomy and Crop Science, 0, , .	3.5	2
56	Produtividade de cana-de-açúcar e atributos de solo em função da aplicação de cama de peru. Revista De Ciências Agrárias, 2016, 59, 259-264.	0.1	2
57	MODELOS DE CURVA DE RETENÇÃO DE ÁGUA NO SOLO. Irriga, 2016, 1, 115.	0.1	2
58	Remote sensing as a tool to determine biophysical parameters of irrigated seed corn crop. Semina:Ciencias Agrarias, 2020, 41, 435-446.	0.3	2
59	ANÁLISE ECONÔMICA DA PRODUÇÃO DE MILHO DOCE IRRIGADO NO NORDESTE DO MATO GROSSO DO SUL. Nucleus, 2020, 17, 199-210.	0.1	2
60	Uniformity of water distribution by a sprinkler irrigation system on a soccer field. Bioscience Journal, 0, 38, e38012.	0.4	2
61	Replacement of liming and NPK fertilization with turkey litter in degraded areas grown with Urochloa decumbens. Semina:Ciencias Agrarias, 2018, 39, 467.	0.3	1
62	HS Cal software for the calibration of the Hargreaves-Samani equation. Pesquisa Agropecuaria Brasileira, 2019, 54, .	0.9	1
63	AGRONOMIC PERFORMANCE OF RADISH GENOTYPES UNDER DIFFERENT IRRIGATION DEPTHS. Engenharia Agricola, 2019, 39, 182-190.	0.7	1
64	Productivity and water demand of maize estimated by the modified satellite Priestley-Taylor algorithm. Semina:Ciencias Agrarias, 2019, 40, 2991.	0.3	1
65	Evaluation of models to estimate the actual evapotranspiration of soybean crop subjected to different water deficit conditions. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20201801.	0.8	1
66	Adubação nitrogenada e estações anuais na produção de capins irrigados no leste mineiro sob corte. Revista Brasileira De Saude E Producao Animal, 2013, 14, 413-425.	0.3	1
67	HYSOMETRIC AND VOLUMETRIC ADJUSTMENT MODELS TO THREE CLONES OF EUCALYPTUS IN BRAZIL. Nucleus, 2015, 12, 221-229.	0.1	1
68	Reference evapotranspiration estimated from air temperature using the MARS regression technique. Bioscience Journal, 0, , 674-682.	0.4	1
69	Alternative low-cost precipitation kit for assessing irrigation systems. Semina:Ciencias Agrarias, 2020, 42, 1783-1798.	0.3	1
70	OPTIMIZING THE MONITORING OF NATURAL PHENOMENA THROUGH THE COUPLING OF ORBITAL MULTI-SENSORS. Geo UERJ, 2020, , e37832.	0.0	1
71	Líquidas de irrigação e estações anuais na cobertura do solo e altura de gramíneas cultivadas sob corte. Acta Scientiarum - Agronomy, 2009, 31, .	0.6	0
72	Spatio-temporal variability of biophysical parameters of irrigated maize using orbital remote sensing. Semina:Ciencias Agrarias, 2021, 42, 2181-2202.	0.3	0

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73	INOCULATION OF <i>Azospirillum brasilense</i> IN PHYSIOLOGICAL QUALITY OF SWEET CORN SEED. Nucleus, 2014, 11, 131-139.	0.1	0
74	UTILIZING SEVAP SOFTWARE TO ESTIMATE THE REFERENCE EVAPOTRANSPIRATION ON THE MINAS GERAIS STATE. Nucleus, 2015, 12, 159-172.	0.1	0
75	AVALIAÇÃO DOS NÍVEIS DE LÂMINA DE IRRIGAÇÃO NO DESEMPENHO DO FEIJOEIRO CULTIVADO NA REGIÃO DA ZONA DA MATA, MG. Revista Brasileira De Agricultura Irrigada, 2016, 10, 799-808.	0.2	0
76	NOTA TÉCNICA: USO DO SOFTWARE INTECPERMÉTRO® NO MANEJO DA IRRIGAÇÃO DO FEIJOEIRO. Revista Engenharia Na Agricultura - REVENG, 2016, 24, 257-266.	0.2	0
77	BIOSTIMULANT USE THE AGRONOMIC CHARACTERISTICS OF DIFFERENT POTATO CULTIVARS IRRIGATED. Nucleus, 2016, 13, 253-262.	0.1	0
78	NOTA TÉCNICA: GOTEJADORES E DISPOSITIVOS FINAL DE LINHA OPERANDO COM ÁGUAS CONTENDO MATERIAL ORGÂNICO. Revista Engenharia Na Agricultura - REVENG, 2017, 25, 173-181.	0.2	0
79	Micro spray and end caps performance operating with water containing different concentrations of organic matter. Bioscience Journal, 0, , 899-906.	0.4	0
80	Recovery of degraded area of <i>Urochloa decumbens</i> with turkey litter fertilizer. Bioscience Journal, 2019, 35, .	0.4	0
81	EVAPOTRANSPIRAÇÃO DE CULTURA: UMA ABORDAGEM DOS PRINCIPAIS MÉTODOS APLICADOS NAS PESQUISAS CIENTÍFICAS E NA AGRICULTURA. Irriga, 2019, 24, 719-746.	0.1	0
82	Irrigation frequency and vermiculite proportion in substrate for <i>Eucalyptus grandis</i> seedling. Semina:Ciencias Agrarias, 2020, 41, 1495-1506.	0.3	0
83	IRRIGATION FREQUENCIES FOR <i>Eucalyptus grandis</i> SEEDLINGS. Revista Engenharia Na Agricultura - REVENG, 0, 28, 364-374.	0.2	0
84	Desenvolvimento inicial da cana-soca sob lâminas de irrigação de salvamento. Agrarian, 2020, 13, 493-503.	0.1	0
85	Selection of Cape Gooseberry Based on Physical Variables of Their Fruit. Hortscience: A Publication of the American Society for Horticultural Science, 2022, 57, 485-486.	1.0	0