

Fabio Marin

List of Publications by Year in descending order

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83
papers

1,328
citations

331670

21
h-index

414414

32
g-index

86
all docs

86
docs citations

86
times ranked

1325
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought in Northeast Brazil: A review of agricultural and policy adaptation options for food security. <i>Climate Resilience and Sustainability</i> , 2022, 1, .	2.3	26
2	Understanding the arrangement of Eucalyptus-Marandu palisade grass silvopastoral systems in Brazil. <i>Agricultural Systems</i> , 2022, 196, 103316.	6.1	8
3	Optimized algorithm for evapotranspiration retrieval via remote sensing. <i>Agricultural Water Management</i> , 2022, 262, 107390.	5.6	6
4	Developing an operational framework to diagnose yield gaps in commercial sugarcane mills. <i>Field Crops Research</i> , 2022, 278, 108433.	5.1	5
5	Are soybean models ready for climate change food impact assessments?. <i>European Journal of Agronomy</i> , 2022, 135, 126482.	4.1	25
6	Calibration and evaluation of JULES crop for maize in Brazil. <i>Agronomy Journal</i> , 2022, 114, 1680-1693.	1.8	3
7	Assimilating leaf area index data into a sugarcane process-based crop model for improving yield estimation. <i>European Journal of Agronomy</i> , 2022, 136, 126501.	4.1	11
8	Predicting soybean evapotranspiration and crop water productivity for a tropical environment using the CSM-CROPGRO-Soybean model. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109075.	4.8	3
9	Impact assessment of common bean availability in Brazil under climate change scenarios. <i>Agricultural Systems</i> , 2021, 191, 103174.	6.1	8
10	Performance of the CSM-CROPGRO-soybean in simulating soybean growth and development and the soil water balance for a tropical environment. <i>Agricultural Water Management</i> , 2021, 252, 106929.	5.6	5
11	Impact assessment of soybean yield and water productivity in Brazil due to climate change. <i>European Journal of Agronomy</i> , 2021, 129, 126329.	4.1	13
12	Global sensitivity and uncertainty analysis of a sugarcane model considering the trash blanket effect. <i>European Journal of Agronomy</i> , 2021, 130, 126371.	4.1	6
13	Sugarcane Yield and Yield Components as Affected by Harvest Time. <i>Sugar Tech</i> , 2021, 23, 819-826.	1.8	7
14	Gross Primary Production of Rainfed and Irrigated Potato (<i>Solanum tuberosum</i> L.) in the Colombian Andean Region Using Eddy Covariance Technique. <i>Water (Switzerland)</i> , 2021, 13, 3223.	2.7	4
15	Assessing the economy-climate relationships for Brazilian agriculture. <i>Empirical Economics</i> , 2020, 59, 1161-1188.	3.0	4
16	Essential Oil Content of <i>Baccharis crispa</i> Spreng. Regulated by Water Stress and Seasonal Variation. <i>AgriEngineering</i> , 2020, 2, 458-470.	3.2	0
17	Interrow spacing and sugarcane yield in a diversity of climates: A major review. <i>Agronomy Journal</i> , 2020, 112, 4550-4557.	1.8	3
18	Sugarcane evapotranspiration and irrigation requirements in tropical climates. <i>Theoretical and Applied Climatology</i> , 2020, 140, 1349-1357.	2.8	15

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19	Modelling the trash blanket effect on sugarcane growth and water use. Computers and Electronics in Agriculture, 2020, 172, 105361.	7.7	16
20	Simula��o de cen��rios agr��colas futuros para algodoeiro com base em proje��es de mudan��as clim��ticas. Agrometeoros, 2020, 27, .	0.3	1
21	Simula��o da pegada h��drica da soja no Mato Grosso baseada em proje��es de mudan��as clim��ticas. Agrometeoros, 2020, 27, .	0.3	1
22	Agrometeorologia digital: as bases bio��sicas para a revolu��o digital no campo. TECCOGS Revista Digital De Tecnologias Cognitivas, 2020, , .	0.0	0
23	Straw management effects on sugarcane growth, nutrient cycling and water use in the Brazilian semiarid region. Bragantia, 2020, 79, 525-533.	1.3	4
24	Assessing cloudiness effect on soybean yield in the Southeast Brazil. Agrometeoros, 2020, 27, .	0.3	0
25	Estimativa da temperatura de superf��cie foliar e de evapotranspira��o para a cultura do trigo. Agrometeoros, 2020, 27, .	0.3	0
26	IRRIGATION REQUIREMENTS ARE LOWER THAN THOSE USUALLY PRESCRIBED FOR A MAIZE CROP IN SOUTHERN BRAZIL. Experimental Agriculture, 2019, 55, 662-671.	0.9	11
27	Revisiting the crop coefficient��reference evapotranspiration procedure for improving irrigation management. Theoretical and Applied Climatology, 2019, 138, 1785-1793.	2.8	24
28	Challenges, Constraints, and Limitations of Cane Biofuels. , 2019, , 389-407.		1
29	On-farm sugarcane yield and yield components as influenced by number of harvests. Field Crops Research, 2019, 240, 134-142.	5.1	30
30	Comparing GEFS, ECMWF, and Postprocessing Methods for Ensemble Precipitation Forecasts over Brazil. Journal of Hydrometeorology, 2019, 20, 773-790.	1.9	21
31	The role of decoupling factor on sugarcane crop water use under tropical conditions. Experimental Agriculture, 2019, 55, 913-923.	0.9	7
32	Soybean irrigation requirements and canopy-atmosphere coupling in Southern Brazil. Agricultural Water Management, 2019, 218, 1-7.	5.6	22
33	Effect of soil straw cover on evaporation, transpiration, and evapotranspiration in sugarcane cultivation. Australian Journal of Crop Science, 2019, , 1362-1368.	0.3	9
34	Balan��o de Energia, Emiss��o Foliar e Efici��ncia do Uso da Radia��o pela Cana-de-A��car em Cultivo sem e com Palhada. Revista Brasileira De Meteorologia, 2019, 34, 69-78.	0.5	4
35	Longer crop cycle lengths could offset the negative effects of climate change on Brazilian maize. Bragantia, 2019, 78, 622-631.	1.3	11
36	Qualitative and Quantitative Evaluation Protocol of Baccharis Seed Germination. Journal of Agricultural Science, 2019, 11, 421.	0.2	1

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37	Análise de sensibilidade com base em parâmetros relacionados a temperatura e fotoperíodo no modelo DSSAT/CROPGRO-SOYBEAN. <i>Agrometeoros</i> , 2018, 25, .	0.3	1
38	Estimativa da radiação solar global baseada na amplitude térmica para o Brasil. <i>Agrometeoros</i> , 2018, 26, .	0.3	3
39	Produtividade de cana-de-açúcar no Estado de São Paulo baseada em simulações multimodelos e mudanças climáticas. <i>Agrometeoros</i> , 2018, 26, .	0.3	2
40	Simulação de produtividade futura de soja em Piracicaba-SP com base em projeções de mudanças climáticas. <i>Agrometeoros</i> , 2018, 25, .	0.3	1
41	Forecasting sugarcane yields using agro-climatic indicators and Canegro model: A case study in the main production region in Brazil. <i>Agricultural Systems</i> , 2017, 154, 45-52.	6.1	41
42	A Stochastic Method for Crop Models: Including Uncertainty in a Sugarcane Model. <i>Agronomy Journal</i> , 2017, 109, 483-495.	1.8	20
43	Atmosphere plant-coupling scheme in corn harvest in two times. <i>Revista Brasileira De Geografia Fisica</i> , 2017, 10, .	0.1	0
44	Umidade volumétrica do solo medida e estimada pelo modelo DSSAT/CROPGRO em cultivo de soja. <i>Journal of Environmental Analysis and Progress</i> , 2017, 2, 294-301.	0.2	0
45	Predicting the effect of climate change on sugarcane cultivation. <i>Burleigh Dodds Series in Agricultural Science</i> , 2017, , 277-290.	0.2	1
46	Understanding sugarcane production, biofuels, and market volatility in Brazil – A research perspective. <i>Outlook on Agriculture</i> , 2016, 45, 75-77.	3.4	8
47	Prospects for Increasing Sugarcane and Bioethanol Production on Existing Crop Area in Brazil. <i>BioScience</i> , 2016, 66, 307-316.	4.9	51
48	Simulating tropical forage growth and biomass accumulation: an overview of model development and application. <i>Grass and Forage Science</i> , 2016, 71, 54-65.	2.9	22
49	A sweet deal? Sugarcane, water and agricultural transformation in Sub-Saharan Africa. <i>Global Environmental Change</i> , 2016, 39, 181-194.	7.8	59
50	Crop coefficient changes with reference evapotranspiration for highly canopy-atmosphere coupled crops. <i>Agricultural Water Management</i> , 2016, 163, 139-145.	5.6	34
51	Sugarcane model intercomparison: Structural differences and uncertainties under current and potential future climates. <i>Environmental Modelling and Software</i> , 2015, 72, 372-386.	4.5	55
52	Modeling sugarcane yield with a process-based model from site to continental scale: uncertainties arising from model structure and parameter values. <i>Geoscientific Model Development</i> , 2014, 7, 1225-1245.	3.6	16
53	Simulação do efeito do manejo da palha e do nitrogênio na produtividade da cana-de-açúcar. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2014, 18, 469-474.	1.1	21
54	Predicting Climate Change Impacts on Sugarcane Production at Sites in Australia, Brazil and South Africa Using the Canegro Model. <i>Sugar Tech</i> , 2014, 16, 347-355.	1.8	57

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55	Evapotranspiration and Transpiration Coupling to the Atmosphere of Sugarcane in Southern Brazil: Scaling Up from Leaf to Field. Sugar Tech, 2014, 16, 250-254.	1.8	22
56	How can crop modeling and plant physiology help to understand the plant responses to climate change? A case study with sugarcane. Theoretical and Experimental Plant Physiology, 2014, 26, 49-63.	2.4	28
57	Simulating Long-Term Effects of Trash Management on Sugarcane Yield for Brazilian Cropping Systems. Sugar Tech, 2014, 16, 164-173.	1.8	25
58	Process-based simple model for simulating sugarcane growth and production. Scientia Agricola, 2014, 71, 1-16.	1.2	28
59	Climate change impacts on sugarcane attainable yield in southern Brazil. Climatic Change, 2013, 117, 227-239.	3.6	95
60	An Alternative Approach to the Actual Brazilian Maize Crop Zoning. , 2013, , .		0
61	Mudanças climáticas e a cana-de-açúcar no Brasil: Fisiologia, conjuntura e cenário futuro. Revista Brasileira De Engenharia Agrícola E Ambiental, 2013, 17, 232-239.	1.1	31
62	MODELOS DE CRESCIMENTO DA CANA-DE-AÇÚCAR E SUA PARAMETRIZAÇÃO – REVISÃO. BRAZILIAN JOURNAL OF AGRICULTURE - Revista De Agricultura, 2013, 87, 66.	0.1	0
63	Método para estimativa do IAF de árvores isoladas ou de plantas com dossel fechado. Revista Brasileira De Engenharia Agrícola E Ambiental, 2012, 16, 529-538.	1.1	5
64	Spatio-temporal variability of sugarcane yield efficiency in the state of São Paulo, Brazil. Pesquisa Agropecuária Brasileira, 2012, 47, 149-156.	0.9	30
65	Parametrização e avaliação do modelo DSSAT/Canegro para variedades brasileiras de cana-de-açúcar. Pesquisa Agropecuária Brasileira, 2012, 47, 311-318.	0.9	30
66	Irrigation requirements and transpiration coupling to the atmosphere of a citrus orchard in Southern Brazil. Agricultural Water Management, 2011, 98, 1091-1096.	5.6	31
67	Parameterization and Evaluation of Predictions of DSSAT/CANEGRO for Brazilian Sugarcane. Agronomy Journal, 2011, 103, 304-315.	1.8	77
68	Extended time weather forecasts contributes to agricultural productivity estimates. Theoretical and Applied Climatology, 2010, 102, 343-350.	2.8	7
69	Condições microclimáticas em um parreiral irrigado coberto com tela plástica. Revista Brasileira De Fruticultura, 2009, 31, 423-431.	0.5	11
70	Radiation balance of coffee hedgerows. Revista Brasileira De Engenharia Agrícola E Ambiental, 2008, 12, 274-281.	1.1	15
71	Sugarcane crop efficiency in two growing seasons in São Paulo State, Brazil. Pesquisa Agropecuária Brasileira, 2008, 43, 1449-1455.	0.9	23
72	Fluxo de seiva pelo método do balanço de calor: base teórica, qualidade das medidas e aspectos práticos. Bragantia, 2008, 67, 1-14.	1.3	8

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73	Sistema de previsão da safra de soja para o Brasil. Pesquisa Agropecuaria Brasileira, 2007, 42, 615-625.	0.9	27
74	Perda de produtividade potencial da cultura do sorgo no Estado de São Paulo. Bragantia, 2006, 65, 157-162.	1.3	8
75	Fluxo de seiva e fotossíntese em laranjeira 'Natal' com clorose variegada dos citros. Pesquisa Agropecuaria Brasileira, 2006, 41, 911-918.	0.9	15
76	EVAPOTRANSPIRATION AND IRRIGATION REQUIREMENTS OF A COFFEE PLANTATION IN SOUTHERN BRAZIL. Experimental Agriculture, 2005, 41, 187-197.	0.9	36
77	Transpiration, leaf diffusive conductance, and atmospheric water demand relationship in an irrigated acid lime orchard. Brazilian Journal of Plant Physiology, 2004, 16, 53-64.	0.5	22
78	Construção e avaliação de psicrômetro aspirado de termopar. Scientia Agricola, 2001, 58, 839-844.	1.2	21
79	Perda de rendimento potencial da cultura do girassol por deficiência hídrica, no Estado de São Paulo. Scientia Agricola, 2000, 57, 1-6.	1.2	17
80	Crop-specific technology extrapolation domains for Brazil. Bragantia, 0, 80, .	1.3	0
81	Improving indirect measurements of the leaf area index using canopy height. Pesquisa Agropecuaria Brasileira, 0, 55, .	0.9	7
82	CLIMATE CHANGE AND SUGARCANE IN THE STATE OF SÃO PAULO. , 0, , 195-202.		1
83	Regime de acoplamento planta-atmosfera em lavouras de milho cultivadas em duas épocas. Revista Brasileira De Geografia Fisica, 0, , 1134-1142.	0.1	0