Fabio Marin

List of Publications by Year
in descending order

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	Climate change impacts on sugarcane attainable yield in southern Brazil. Climatic Change, 2013, 117, 227-239.	3.6	95
2	Parameterization and Evaluation of Predictions of DSSAT/CANEGRO for Brazilian Sugarcane. Agronomy Journal, 2011, 103, 304-315.	1.8	77
3	A sweet deal? Sugarcane, water and agricultural transformation in Sub-Saharan Africa. Global Environmental Change, 2016, 39, 181-194.	7.8	59
4	Predicting Climate Change Impacts on Sugarcane Production at Sites in Australia, Brazil and South Africa Using the Canegro Model. Sugar Tech, 2014, 16, 347-355.	1.8	57
5	Sugarcane model intercomparison: Structural differences and uncertainties under current and potential future climates. Environmental Modelling and Software, 2015, 72, 372-386.	4.5	55
6	Prospects for Increasing Sugarcane and Bioethanol Production on Existing Crop Area in Brazil. BioScience, 2016, 66, 307-316.	4.9	51
7	Forecasting sugarcane yields using agro-climatic indicators and Canegro model: A case study in the main production region in Brazil. Agricultural Systems, 2017, 154, 45-52.	6.1	41
8	EVAPOTRANSPIRATION AND IRRIGATION REQUIREMENTS OF A COFFEE PLANTATION IN SOUTHERN BRAZIL. Experimental Agriculture, 2005, 41, 187-197.	0.9	36
9	Crop coefficient changes with reference evapotranspiration for highly canopy-atmosphere coupled crops. Agricultural Water Management, 2016, 163, 139-145.	5.6	34
10	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
11	Mudanças climáticas e a cana-de-açúcar no Brasil: Fisiologia, conjuntura e cenário futuro. Revista Brasileira De Engenharia Agricola E Ambiental, 2013, 17, 232-239.	1.1	31
12	Spatio-temporal variability of sugarcane yield efficiency in the state of São Paulo, Brazil. Pesquisa Agropecuaria Brasileira, 2012, 47, 149-156.	0.9	30
13	On-farm sugarcane yield and yield components as influenced by number of harvests. Field Crops Research, 2019, 240, 134-142.	5.1	30
14	Parametrização e avaliação do modelo DSSAT/Canegro para variedades brasileiras de cana-de-açúcar. Pesquisa Agropecuaria Brasileira, 2012, 47, 311-318.	0.9	30
15	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
16	Process-based simple model for simulating sugarcane growth and production. Scientia Agricola, 2014, 71, 1-16.	1.2	28
17	Sistema de previsão da safra de soja para o Brasil. Pesquisa Agropecuaria Brasileira, 2007, 42, 615-625.	0.9	27
18	Drought in Northeast Brazil: A review of agricultural and policy adaptation options for food security. Climate Resilience and Sustainability, 2022, 1, .	2.3	26

#	Article	IF	Citations
19	Simulating Long-Term Effects of Trash Management on Sugarcane Yield for Brazilian Cropping Systems. Sugar Tech, 2014, 16, 164-173.	1.8	25
20	Are soybean models ready for climate change food impact assessments?. European Journal of Agronomy, 2022, 135, 126482.	4.1	25
21	Revisiting the crop coefficient–reference evapotranspiration procedure for improving irrigation management. Theoretical and Applied Climatology, 2019, 138, 1785-1793.	2.8	24
22	Sugarcane crop efficiency in two growing seasons in São Paulo State, Brazil. Pesquisa Agropecuaria Brasileira, 2008, 43, 1449-1455.	0.9	23
23	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
24	Simulating tropical forage growth and biomass accumulation: an overview of model development and application. Grass and Forage Science, 2016, 71, 54-65.	2.9	22
25	Soybean irrigation requirements and canopy-atmosphere coupling in Southern Brazil. Agricultural Water Management, 2019, 218, 1-7.	5.6	22
26	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
27	Construção e avaliação de psicrômetro aspirado de termopar. Scientia Agricola, 2001, 58, 839-844.	1.2	21
28	Simulação do efeito do manejo da palha e do nitrogânio na produtividade da cana-de-açúcar. Revista Brasileira De Engenharia Agricola E Ambiental, 2014, 18, 469-474.	1.1	21
29	Comparing GEFS, ECMWF, and Postprocessing Methods for Ensemble Precipitation Forecasts over Brazil. Journal of Hydrometeorology, 2019, 20, 773-790.	1.9	21
30	A Stochastic Method for Crop Models: Including Uncertainty in a Sugarcane Model. Agronomy Journal, 2017, 109, 483-495.	1.8	20
31	Perda de rendimento potencial da cultura do girassol por deficiância hÃdrica, no Estado de São Paulo. Scientia Agricola, 2000, 57, 1-6.	1.2	17
32	Modeling sugarcane yield with a process-based model from site to continental scale: uncertainties arising from model structure and parameter values. Geoscientific Model Development, 2014, 7, 1225-1245.	3.6	16
33	Modelling the trash blanket effect on sugarcane growth and water use. Computers and Electronics in Agriculture, 2020, 172, 105361.	7.7	16
34	Radiation balance of coffee hedgerows. Revista Brasileira De Engenharia Agricola E Ambiental, 2008, 12, 274-281.	1.1	15
35	Sugarcane evapotranspiration and irrigation requirements in tropical climates. Theoretical and Applied Climatology, 2020, 140, 1349-1357.	2.8	15
36	Fluxo de seiva e fotossÃntese em laranjeira 'Natal' com clorose variegada dos citros. Pesquisa Agropecuaria Brasileira, 2006, 41, 911-918.	0.9	15

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37	Impact assessment of soybean yield and water productivity in Brazil due to climate change. European Journal of Agronomy, 2021, 129, 126329.	4.1	13
38	IRRIGATION REQUIREMENTS ARE LOWER THAN THOSE USUALLY PRESCRIBED FOR A MAIZE CROP IN SOUTHERN BRAZIL. Experimental Agriculture, 2019, 55, 662-671.	0.9	11
39	Longer crop cycle lengths could offset the negative effects of climate change on Brazilian maize. Bragantia, 2019, 78, 622-631.	1.3	11
40	Condições microclimáticas em um parreiral irrigado coberto com tela plástica. Revista Brasileira De Fruticultura, 2009, 31, 423-431.	0.5	11
41	Assimilating leaf area index data into a sugarcane process-based crop model for improving yield estimation. European Journal of Agronomy, 2022, 136, 126501.	4.1	11
42	Effect of soil straw cover on evaporation, transpiration, and evapotranspiration in sugarcane cultivation. Australian Journal of Crop Science, 2019, , 1362-1368.	0.3	9
43	Perda de produtividade potencial da cultura do sorgo no Estado de São Paulo. Bragantia, 2006, 65, 157-162.	1.3	8
44	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
45	Understanding sugarcane production, biofuels, and market volatility in Brazil—A research perspective. Outlook on Agriculture, 2016, 45, 75-77.	3.4	8
46	Impact assessment of common bean availability in Brazil under climate change scenarios. Agricultural Systems, 2021, 191, 103174.	6.1	8
47	Understanding the arrangement of Eucalyptus-Marandu palisade grass silvopastoral systems in Brazil. Agricultural Systems, 2022, 196, 103316.	6.1	8
48	Extended time weather forecasts contributes to agricultural productivity estimates. Theoretical and Applied Climatology, 2010, 102, 343-350.	2.8	7
49	The role of decoupling factor on sugarcane crop water use under tropical conditions. Experimental Agriculture, 2019, 55, 913-923.	0.9	7
50	Sugarcane Yield and Yield Components as Affected by Harvest Time. Sugar Tech, 2021, 23, 819-826.	1.8	7
51	Improving indirect measurements of the leaf area index using canopy height. Pesquisa Agropecuaria Brasileira, 0, 55, .	0.9	7
52	Global sensitivity and uncertainty analysis of a sugarcane model considering the trash blanket effect. European Journal of Agronomy, 2021, 130, 126371.	4.1	6
53	Optimized algorithm for evapotranspiration retrieval via remote sensing. Agricultural Water Management, 2022, 262, 107390.	5.6	6
54	Método para estimativa do IAF de árvores isoladas ou de plantações com dossel fechado. Revista Brasileira De Engenharia Agricola E Ambiental, 2012, 16, 529-538.	1.1	5

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55	Performance of the CSM-CROPGRO-soybean in simulating soybean growth and development and the soil water balance for a tropical environment. Agricultural Water Management, 2021, 252, 106929.	5.6	5
56	Developing an operational framework to diagnose yield gaps in commercial sugarcane mills. Field Crops Research, 2022, 278, 108433.	5.1	5
57	Assessing the economy–climate relationships for Brazilian agriculture. Empirical Economics, 2020, 59, 1161-1188.	3.0	4
58	Balanço de Energia, Emissão Foliar e Eficiência do Uso da Radiação pela Cana-de-Açúcar em Cultivo sem e com Palhada. Revista Brasileira De Meteorologia, 2019, 34, 69-78.	0.5	4
59	Straw management effects on sugarcane growth, nutrient cycling and water use in the Brazilian semiarid region. Bragantia, 2020, 79, 525-533.	1.3	4
60	Gross Primary Production of Rainfed and Irrigated Potato (Solanum tuberosum L.) in the Colombian Andean Region Using Eddy Covariance Technique. Water (Switzerland), 2021, 13, 3223.	2.7	4
61	Interrow spacing and sugarcane yield in a diversity of climates: A major review. Agronomy Journal, 2020, 112, 4550-4557.	1.8	3
62	Estimativa da radiação solar global baseada na amplitude térmica para o Brasil. Agrometeoros, 2018, 26, .	0.3	3
63	Calibration and evaluation of JULES–crop for maize in Brazil. Agronomy Journal, 2022, 114, 1680-1693.	1.8	3
64	Predicting soybean evapotranspiration and crop water productivity for a tropical environment using the CSM-CROPGRO-Soybean model. Agricultural and Forest Meteorology, 2022, 323, 109075.	4.8	3
65	Produtividade de cana-de-açúcar no Estado de São Paulo baseada em simulações multimodelos e mudanças climáticas. Agrometeoros, 2018, 26, .	0.3	2
66	Challenges, Constraints, and Limitations of Cane Biofuels. , 2019, , 389-407.		1
67	Análise de sensibilidade com base em parâmetros relacionados a temperatura e fotoperíodo no modelo DSSAT/CROPGRO-SOYBEAN. Agrometeoros, 2018, 25, .	0.3	1
68	Simulação de cenários agrícolas futuros para algodoeiro com base em projeções de mudanças climáticas. Agrometeoros, 2020, 27, .	0.3	1
69	Simulação da pegada hídrica da soja no Mato Grosso baseada em projeções de mudanças climáticas. Agrometeoros, 2020, 27, .	0.3	1
70	Qualitative and Quantitative Evaluation Protocol of Baccharis Seed Germination. Journal of Agricultural Science, 2019, 11, 421.	0.2	1
71	CLIMATE CHANGE AND SUGARCANE IN THE STATE OF SÃO PAULO. , 0, , 195-202.		1
72	Predicting the effect of climate change on sugarcane cultivation. Burleigh Dodds Series in Agricultural Science, 2017, , 277-290.	0.2	1

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73	Simulação de produtividade futura de soja em Piracicaba-SP com base em projeções de mudanças climáticas. Agrometeoros, 2018, 25, .	0.3	1
74	An Alternative Approach to the Actual Brazilian Maize Crop Zoning. , 2013, , .		0
75	Essential Oil Content of Baccharis crispa Spreng. Regulated by Water Stress and Seasonal Variation. AgriEngineering, 2020, 2, 458-470.	3.2	0
76	Crop-specific technology extrapolation domains for Brazil. Bragantia, 0, 80, .	1.3	0
77	MODELOS DE CRESCIMENTO DA CANA-DE-AÇúCAR E SUA PARAMETRIZAÇãO – REVISãO. BRAZILIAN JOURNAL of AGRICULTURE - Revista De Agricultura, 2013, 87, 66.	0.1	0
78	Regime de acoplamento planta-atmosfera em lavouras de milho cultivadas em duas épocas. Revista Brasileira De Geografia Fisica, 0, , 1134-1142.	0.1	0
79	Atmosphere plant-coupling scheme in corn harvest in two times. Revista Brasileira De Geografia Fisica, 2017, 10, .	0.1	0
80	Umidade volumétrica do solo medida e estimada pelo modelo DSSAT/CROPGRO em cultivo de soja. Journal of Environmental Analysis and Progress, 2017, 2, 294-301.	0.2	0
81	Agrometeorologia digital: as bases biofísicas para a revolução digital no campo. TECCOGS Revista Digital De Tecnologias Cognitivas, 2020, , .	0.0	0
82	Assessing cloudiness effect on soybean yield in the Southeast Brazil. Agrometeoros, 2020, 27, .	0.3	0
83	Estimativa da temperatura de superfície foliar e de evapotranspiração para a cultura do trigo. Agrometeoros, 2020, 27, .	0.3	0