

Marcello Donatelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5946612/publications.pdf>

Version: 2024-02-01

47
papers

4,372
citations

186209

28
h-index

214721

47
g-index

47
all docs

47
docs citations

47
times ranked

4690
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying the most promising agronomic adaptation strategies for the tomato growing systems in Southern Italy via simulation modeling. <i>European Journal of Agronomy</i> , 2019, 111, 125937.	1.9	22
2	A dataset of future daily weather data for crop modelling over Europe derived from climate change scenarios. <i>Theoretical and Applied Climatology</i> , 2017, 127, 573-585.	1.3	21
3	Modelling the impacts of pests and diseases on agricultural systems. <i>Agricultural Systems</i> , 2017, 155, 213-224.	3.2	248
4	Agricultural production systems modelling and software: Current status and future prospects. <i>Environmental Modelling and Software</i> , 2015, 72, 276-286.	1.9	165
5	District specific, in silico evaluation of rice ideotypes improved for resistance/tolerance traits to biotic and abiotic stressors under climate change scenarios. <i>Climatic Change</i> , 2015, 132, 661-675.	1.7	14
6	A set of software components for the simulation of plant airborne diseases. <i>Environmental Modelling and Software</i> , 2015, 72, 426-444.	1.9	31
7	A generic framework for evaluating hybrid models by reuse and composition – A case study on soil temperature simulation. <i>Environmental Modelling and Software</i> , 2014, 62, 478-486.	1.9	19
8	Modelling soil borne fungal pathogens of arable crops under climate change. <i>International Journal of Biometeorology</i> , 2014, 58, 2071-2083.	1.3	34
9	MIMYCS.Moisture, a process-based model of moisture content in developing maize kernels. <i>European Journal of Agronomy</i> , 2014, 59, 86-95.	1.9	23
10	An auto-calibration procedure for empirical solar radiation models. <i>Environmental Modelling and Software</i> , 2013, 49, 118-128.	1.9	19
11	Comparison of modelling approaches to simulate the phenology of the European corn borer under future climate scenarios. <i>Ecological Modelling</i> , 2012, 245, 65-74.	1.2	13
12	Evaluating the suitability of a generic fungal infection model for pest risk assessment studies. <i>Ecological Modelling</i> , 2012, 247, 58-63.	1.2	22
13	Multi metric evaluation of leaf wetness models for large-area application of plant disease models. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1163-1172.	1.9	46
14	Enriching environmental software model interfaces through ontology-based tools. <i>International Journal of Applied Systemic Studies</i> , 2011, 4, 94.	0.0	10
15	An integrated evaluation of thirteen modelling solutions for the generation of hourly values of air relative humidity. <i>Theoretical and Applied Climatology</i> , 2010, 102, 429-438.	1.3	33
16	Comparison of sensitivity analysis techniques: A case study with the rice model WARM. <i>Ecological Modelling</i> , 2010, 221, 1897-1906.	1.2	207
17	A software component to compute agro-meteorological indicators. <i>Environmental Modelling and Software</i> , 2010, 25, 1485-1486.	1.9	12
18	Sensitivity analysis of the rice model WARM in Europe: Exploring the effects of different locations, climates and methods of analysis on model sensitivity to crop parameters. <i>Environmental Modelling and Software</i> , 2010, 25, 479-488.	1.9	88

#	ARTICLE	IF	CITATIONS
19	Validation of biophysical models: issues and methodologies. A review. <i>Agronomy for Sustainable Development</i> , 2010, 30, 109-130.	2.2	161
20	ELPIS: a dataset of local-scale daily climate scenarios for Europe. <i>Climate Research</i> , 2010, 44, 3-15.	0.4	51
21	An extensible model library for generating wind speed data. <i>Computers and Electronics in Agriculture</i> , 2009, 69, 165-170.	3.7	22
22	Multi-metric evaluation of the models WARM, CropSyst, and WOFOST for rice. <i>Ecological Modelling</i> , 2009, 220, 1395-1410.	1.2	103
23	Semantic links in integrated modelling frameworks. <i>Mathematics and Computers in Simulation</i> , 2008, 78, 412-423.	2.4	46
24	Integrated assessment of agricultural systems – A component-based framework for the European Union (SEAMLESS). <i>Agricultural Systems</i> , 2008, 96, 150-165.	3.2	401
25	Integrating Spatial Soil Organization Data with a Regional Agricultural Management Simulation Model: A Case Study in Northern Tunisia. <i>Transactions of the ASABE</i> , 2008, 51, 1099-1109.	1.1	6
26	An integrated assessment approach to conduct analyses of climate change impacts on whole-farm systems. <i>Environmental Modelling and Software</i> , 2007, 22, 202-210.	1.9	68
27	Crop response to elevated CO ₂ and world food supply. <i>European Journal of Agronomy</i> , 2007, 26, 215-223.	1.9	244
28	Balance sheet method assessment for nitrogen fertilization in winter wheat: II. alternative strategies using the CropSyst simulation model. <i>Italian Journal of Agronomy</i> , 2006, 1, 343.	0.4	4
29	A Library to Generate Synthetic Precipitation Data. <i>Agronomy Journal</i> , 2006, 98, 1312-1317.	0.9	6
30	A software component for estimating solar radiation. <i>Environmental Modelling and Software</i> , 2006, 21, 411-416.	1.9	47
31	PTFIndicator: An IRENE_DLL-based application to evaluate estimates from pedotransfer functions by integrated indices. <i>Environmental Modelling and Software</i> , 2006, 21, 107-110.	1.9	9
32	Sharing knowledge via software components: Models on reference evapotranspiration. <i>European Journal of Agronomy</i> , 2006, 24, 186-192.	1.9	50
33	Modelling cropping systems – highlights of the symposium and preface to the special issues. <i>European Journal of Agronomy</i> , 2003, 18, 187-197.	1.9	78
34	CropSyst, a cropping systems simulation model. <i>European Journal of Agronomy</i> , 2003, 18, 289-307.	1.9	1,051
35	SOILPAR 2.00: software to estimate soil hydrological parameters and functions. <i>European Journal of Agronomy</i> , 2003, 18, 373-377.	1.9	83
36	irene: a software to evaluate model performance. <i>European Journal of Agronomy</i> , 2003, 18, 369-372.	1.9	76

#	ARTICLE	IF	CITATIONS
37	RadEst3.00: software to estimate daily radiation data from commonly available meteorological variables. <i>European Journal of Agronomy</i> , 2003, 18, 363-367.	1.9	101
38	Simulating kernel lot sampling: the effect of heterogeneity on the detection of GMO contaminations. <i>Seed Science and Technology</i> , 2003, 31, 629-638.	0.6	23
39	ET_CSDLL. <i>Agronomy Journal</i> , 2003, 95, 1334-1336.	0.9	5
40	IRENE_DLL: A Class Library for Evaluating Numerical Estimates. <i>Agronomy Journal</i> , 2003, 95, 1330-1333.	0.9	28
41	An Indicator of Solar Radiation Model Performance based on a Fuzzy Expert System. <i>Agronomy Journal</i> , 2002, 94, 1222-1233.	0.9	82
42	Increasing profits and reducing risks in crop production using participatory systems simulation approaches. <i>Agricultural Systems</i> , 2001, 70, 493-513.	3.2	76
43	Effects of climate change and elevated CO2 on cropping systems: model predictions at two Italian locations. <i>European Journal of Agronomy</i> , 2000, 13, 179-189.	1.9	296
44	Modelling, interpolation and stochastic simulation in space and time of global solar radiation. <i>Agriculture, Ecosystems and Environment</i> , 2000, 81, 29-42.	2.5	64
45	Testing Denitrification Functions of Dynamic Crop Models. <i>Journal of Environmental Quality</i> , 1997, 26, 394-401.	1.0	25
46	Evaluation of CropSyst for cropping systems at two locations of northern and southern Italy. <i>European Journal of Agronomy</i> , 1997, 6, 35-45.	1.9	83
47	Genotype and Water Limitation Effects on Phenology, Growth, and Transpiration Efficiency in Grain Sorghum. <i>Crop Science</i> , 1992, 32, 781-786.	0.8	56