

Giovanni Cappelli

List of Publications by Year in descending order

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32
papers

663
citations

567144

15
h-index

580701

25
g-index

32
all docs

32
docs citations

32
times ranked

1022
citing authors

#	ARTICLE	IF	CITATIONS
1	SunnGro: A new crop model for the simulation of sunn hemp (<i>Crotalaria juncea</i> L.) grown under alternative management practices. <i>Biomass and Bioenergy</i> , 2021, 146, 105975.	2.9	6
2	Model-Based Assessment of Giant Reed (<i>Arundo donax</i> L.) Energy Yield in the Form of Diverse Biofuels in Marginal Areas of Italy. <i>Land</i> , 2021, 10, 548.	1.2	4
3	Model-based evaluation of climate change impacts on rice grain quality in the main European rice district. <i>Food and Energy Security</i> , 2021, 10, e307.	2.0	5
4	Can repeated soil amendment with biogas digestates increase soil suppressiveness toward non-specific soil-borne pathogens in agricultural lands?. <i>Renewable Agriculture and Food Systems</i> , 2021, 36, 353-364.	0.8	4
5	Lower air pollution during COVID-19 lock-down: improving models and methods estimating ozone impacts on crops. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200188.	1.6	17
6	Simulating oilseed fatty acid composition through a stochastic modelling approach. <i>Industrial Crops and Products</i> , 2020, 150, 112381.	2.5	4
7	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
8	Development of a process-based simulation model of camelina seed and oil production: A case study in Northern Italy. <i>Industrial Crops and Products</i> , 2019, 134, 234-243.	2.5	9
9	Spatializing Crop Models for Sustainable Agriculture. , 2019, , 599-619.		6
10	Sensitivity of WOFOST-based modelling solutions to crop parameters under climate change. <i>Ecological Modelling</i> , 2018, 368, 1-14.	1.2	27
11	Boundaries and perspectives from a multi-model study on rice grain quality in Northern Italy. <i>Field Crops Research</i> , 2018, 215, 140-148.	2.3	5
12	GLORIFY: A new forecasting system for rice grain quality in Northern Italy. <i>European Journal of Agronomy</i> , 2018, 97, 70-80.	1.9	8
13	Surfing parameter hyperspaces under climate change scenarios to design future rice ideotypes. <i>Global Change Biology</i> , 2017, 23, 4651-4662.	4.2	23
14	Identifying trends and associated uncertainties in potential rice production under climate change in Mediterranean areas. <i>Agricultural and Forest Meteorology</i> , 2017, 237-238, 219-232.	1.9	26
15	A web application to facilitate crop model comparison in ensemble studies. <i>Environmental Modelling and Software</i> , 2017, 97, 259-270.	1.9	7
16	Coupling a generic disease model to the WARM rice simulator to assess leaf and panicle blast impacts in a temperate climate. <i>European Journal of Agronomy</i> , 2016, 76, 107-117.	1.9	29
17	Uncertainty in crop model predictions: What is the role of users?. <i>Environmental Modelling and Software</i> , 2016, 81, 165-173.	1.9	62
18	ISlide: A rice modelling platform for in silico ideotyping. <i>Computers and Electronics in Agriculture</i> , 2016, 128, 46-49.	3.7	4

#	ARTICLE	IF	CITATIONS
19	WOFOST-GTC: A new model for the simulation of winter rapeseed production and oil quality. <i>Field Crops Research</i> , 2016, 197, 125-132.	2.3	21
20	Are advantages from the partial replacement of corn with second-generation energy crops undermined by climate change? A case study for giant reed in northern Italy. <i>Biomass and Bioenergy</i> , 2015, 80, 85-93.	2.9	17
21	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
22	New multi-model approach gives good estimations of wheat yield under semi-arid climate in Morocco. <i>Agronomy for Sustainable Development</i> , 2015, 35, 157-167.	2.2	35
23	Impact of Agromanagement Practices on Rice Elongation: Analysis and Modelling. <i>Crop Science</i> , 2014, 54, 2294-2302.	0.8	1
24	Any chance to evaluate in vivo field methods using standard protocols?. <i>Field Crops Research</i> , 2014, 161, 128-136.	2.3	5
25	A software component implementing a library of models for the simulation of pre-harvest rice grain quality. <i>Computers and Electronics in Agriculture</i> , 2014, 104, 18-24.	3.7	17
26	Comparison of leaf area index estimates by ceptometer and PocketLAI smart app in canopies with different structures. <i>Field Crops Research</i> , 2014, 155, 38-41.	2.3	55
27	Model simplification and development via reuse, sensitivity analysis and composition: A case study in crop modelling. <i>Environmental Modelling and Software</i> , 2014, 59, 44-58.	1.9	43
28	Wheat modeling in Morocco unexpectedly reveals predominance of photosynthesis versus leaf area expansion plant traits. <i>Agronomy for Sustainable Development</i> , 2013, 33, 393-403.	2.2	7
29	Development of an app for estimating leaf area index using a smartphone. Trueness and precision determination and comparison with other indirect methods. <i>Computers and Electronics in Agriculture</i> , 2013, 96, 67-74.	3.7	130
30	Development and validation of a model to estimate postharvest losses during transport of tomatoes in West Africa. <i>Computers and Electronics in Agriculture</i> , 2013, 92, 32-47.	3.7	12
31	A multi-approach software library for estimating crop suitability to environment. <i>Computers and Electronics in Agriculture</i> , 2013, 90, 170-175.	3.7	16
32	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