

Giuliano Vox

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,374
citations

331670

21
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Review Paper (SE“Structures and Environment). Biosystems Engineering, 2000, 77, 7-38.	0.4	162
2	Green fa–sades to control wall surface temperature in buildings. Building and Environment, 2018, 129, 154-166.	6.9	116
3	Mechanical properties decay and morphological behaviour of biodegradable films for agricultural mulching in real scale experiment. Polymer Degradation and Stability, 2006, 91, 2801-2808.	5.8	114
4	Performance and Environmental Impact of Biodegradable Films in Agriculture: A Field Study on Protected Cultivation. Journal of Polymers and the Environment, 2008, 16, 109-122.	5.0	112
5	Recycled wastes of tomato and hemp fibres for biodegradable pots: Physico-chemical characterization and field performance. Resources, Conservation and Recycling, 2013, 70, 9-19.	10.8	80
6	Preparation, characterisation and field-testing of a biodegradable sodium alginate-based spray mulch. Biosystems Engineering, 2009, 102, 461-472.	4.3	76
7	Agricultural plastic waste mapping using GIS. A case study in Italy. Resources, Conservation and Recycling, 2018, 137, 229-242.	10.8	66
8	Evaluation of the radiometric properties of starch-based biodegradable films for crop protection. Polymer Testing, 2007, 26, 639-651.	4.8	65
9	Agricultural plastic waste spatial estimation by Landsat 8 satellite images. Computers and Electronics in Agriculture, 2017, 141, 35-45.	7.7	64
10	Preparation and Performance of Novel Biodegradable Polymeric Materials Based on Hydrolyzed Proteins for Agricultural Application. Journal of Polymers and the Environment, 2013, 21, 718-725.	5.0	49
11	Mapping of Agriculture Plastic Waste. Agriculture and Agricultural Science Procedia, 2016, 8, 583-591.	0.6	48
12	Evaluation of the cooling effect provided by a green fa–sade as nature-based system for buildings. Building and Environment, 2021, 203, 108099.	6.9	38
13	Effects of the radiometric properties of innovative biodegradable mulching materials on snapdragon cultivation. Scientia Horticulturae, 2007, 112, 456-461.	3.6	37
14	Effect of hydrolyzed protein-based mulching coatings on the soil properties and productivity in a tunnel greenhouse crop system. Science of the Total Environment, 2018, 645, 1221-1229.	8.0	34
15	Energy analysis of a green fa–sade in summer: an experimental test in Mediterranean climate conditions. Energy and Buildings, 2021, 245, 111076.	6.7	31
16	Evaluation of the radiometric properties of roofing materials for livestock buildings and their effect on the surface temperature. Biosystems Engineering, 2016, 144, 26-37.	4.3	30
17	Wood Biomass as Sustainable Energy for Greenhouses Heating in Italy. Agriculture and Agricultural Science Procedia, 2016, 8, 637-645.	0.6	27
18	Thermal barrier effect of green fa–sades: Long-wave infrared radiative energy transfer modelling. Building and Environment, 2020, 177, 106875.	6.9	27

#	ARTICLE	IF	CITATIONS
19	Green Control of Microclimate in Buildings. Agriculture and Agricultural Science Procedia, 2016, 8, 576-582.	0.6	23
20	Predictive model of surface temperature difference between green faades and uncovered wall in Mediterranean climatic area. Applied Thermal Engineering, 2019, 163, 114406.	6.0	23
21	Performance Evaluation of a Solar Cooling Plant Applied for Greenhouse Thermal Control. Agriculture and Agricultural Science Procedia, 2016, 8, 664-669.	0.6	21
22	Convective heat transfer in green faade system. Biosystems Engineering, 2019, 188, 67-81.	4.3	21
23	Assessment of the environmental loads of green faades in buildings: a comparison with un-vegetated exterior walls. Journal of Environmental Management, 2021, 294, 112927.	7.8	15
24	Biodegradable plant nursery containers from leather industry wastes. Polymer Composites, 2018, 39, 2743-2750.	4.6	14
25	Effect of Leaf Area Index on Green Facade Thermal Performance in Buildings. Sustainability, 2022, 14, 2966.	3.2	14
26	A wireless telecommunications network for real-time monitoring of greenhouse microclimate. Journal of Agricultural Engineering, 2014, 45, 70.	1.5	13
27	Thermal behaviour of green faades in summer. Journal of Agricultural Engineering, 2018, 49, 183-190.	1.5	11
28	WINTERTIME THERMAL PERFORMANCE OF GREEN FAADES IN A MEDITERRANEAN CLIMATE. WIT Transactions on Ecology and the Environment, 2020, , .	0.0	9
29	Georeferencing of agricultural plastic waste. Rivista Di Studi Sulla Sostenibilita, 2016, , 71-82.	0.2	9
30	GREENHOUSE PLASTIC FILMS CAPABLE OF MODIFYING THE SPECTRAL DISTRIBUTION OF SOLAR RADIATION. Journal of Agricultural Engineering, 2010, 41, 19.	1.5	8
31	Implementing a GIS-Based Digital Atlas of Agricultural Plastics to Reduce Their Environmental Footprint; Part I: A Deductive Approach. Applied Sciences (Switzerland), 2022, 12, 1330.	2.5	6
32	Biodegradable Spray Mulching and Nursery Pots: New Frontiers for Research. Green Chemistry and Sustainable Technology, 2017, , 105-137.	0.7	3
33	Reduction of Evapotranspiration in Microenvironment Conditions of Table Grape Vineyards Protected by Different Types of Plastic Covers. Agronomy, 2022, 12, 600.	3.0	3
34	Variation of physical properties of LDPE greenhouse films due to agrochemicals used during cultivation. Journal of Agricultural Engineering, 2013, 44, .	1.5	1
35	Effects of agrochemicals, ultra violet stabilisers and solar radiation on the radiometric properties of greenhouse films. Journal of Agricultural Engineering, 2013, 44, 11.	1.5	1
36	Vineyard protection with rain-shelter: relationships between radiometric properties of plastic covers and table grape quality. BIO Web of Conferences, 2019, 13, 04007.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Quantification of agricultural plastic waste for the determination of territorial indexes. Rivista Di Studi Sulla Sostenibilita, 2018, , 195-209.	0.2	1
38	Heat Fluxes in a Green Façade System: Mathematical Relations and an Experimental Case. Lecture Notes in Civil Engineering, 2020, , 189-197.	0.4	1
39	Biodegradable containers from green waste materials. AIP Conference Proceedings, 2016, , .	0.4	0
40	Greenhouse localized heating powered by a polygeneration system. Journal of Agricultural Engineering, 2021, 52, .	1.5	0