

Pietro Picuno

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,439
citations

304743

22
h-index

330143

37
g-index

63
all docs

63
docs citations

63
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the efficiency of greenhouse ventilation using computational fluid dynamics. <i>Agricultural and Forest Meteorology</i> , 1997, 85, 217-228.	4.8	118
2	Computational analysis of ventilation in greenhouses at zero- and low-wind-speeds. <i>Agricultural and Forest Meteorology</i> , 1997, 88, 121-135.	4.8	102
3	Review, mapping and analysis of the agricultural plastic waste generation and consolidation in Europe. <i>Waste Management and Research</i> , 2013, 31, 1262-1278.	3.9	94
4	Analysis of plasticulture landscapes in Southern Italy through remote sensing and solid modelling techniques. <i>Landscape and Urban Planning</i> , 2011, 100, 45-56.	7.5	82
5	Critical Review of Norms and Standards for Biodegradable Agricultural Plastics Part II: Composting. <i>Journal of Polymers and the Environment</i> , 2010, 18, 364-383.	5.0	78
6	Innovative Material and Improved Technical Design for a Sustainable Exploitation of Agricultural Plastic Film. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1000-1011.	1.9	72
7	Experimental tests and technical characteristics of regenerated films from agricultural plastics. <i>Polymer Degradation and Stability</i> , 2012, 97, 1654-1661.	5.8	68
8	Using Historical Maps within a GIS to Analyze Two Centuries of Rural Landscape Changes in Southern Italy. <i>Land</i> , 2017, 6, 65.	2.9	64
9	Labeling scheme for agricultural plastic wastes in Europe. <i>Quality Assurance and Safety of Crops and Foods</i> , 2010, 2, 93-104.	3.4	44
10	Rural landscape planning through spatial modelling and image processing of historical maps. <i>Land Use Policy</i> , 2015, 42, 71-82.	5.6	44
11	Investigating the time evolution of a rural landscape: How historical maps may provide environmental information when processed using a GIS. <i>Ecological Engineering</i> , 2019, 139, 105580.	3.6	41
12	Analysis of the effects of agricultural land use change on rural environment and landscape through historical cartography and GIS tools. <i>Journal of Agricultural Engineering</i> , 2016, 47, 28.	1.5	38
13	GIS-based Analysis of Temporal Evolution of Rural Landscape: A Case Study in Southern Italy. <i>Natural Resources Research</i> , 2019, 28, 61-75.	4.7	36
14	Use of traditional material in farm buildings for a sustainable rural environment. <i>International Journal of Sustainable Built Environment</i> , 2016, 5, 451-460.	3.2	35
15	Radiometric Characterization, Solar and Thermal Radiation in a Greenhouse as Affected by Shading Configuration in an Arid Climate. <i>Energies</i> , 2015, 8, 13928-13937.	3.1	33
16	The effect of sand wind, temperature and exposure time on tri-layer polyethylene film used as greenhouse roof. <i>Plastics, Rubber and Composites</i> , 2016, 45, 346-351.	2.0	33
17	PROPERTIES OF NEW BIODEGRADABLE PLASTICS FOR MULCHING, AND CHARACTERIZATION OF THEIR DEGRADATION IN THE LABORATORY AND IN THE FIELD. <i>Acta Horticulturae</i> , 2008, , 275-282.	0.2	31
18	THE OPTIMISATION OF THE MANAGEMENT OF AGRICULTURAL PLASTIC WASTE IN ITALY USING A GEOGRAPHICAL INFORMATION SYSTEM. <i>Acta Horticulturae</i> , 2008, , 219-226.	0.2	29

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19	Vernacular Farm Buildings and Rural Landscape: A Geospatial Approach for Their Integrated Management. <i>Sustainability</i> , 2020, 12, 4.	3.2	28
20	Decontamination and recycling of agrochemical plastic packaging waste. <i>Journal of Hazardous Materials</i> , 2020, 381, 120965.	12.4	27
21	Influence of shading treatment on yield, morphological traits and phenolic profile of sweet basil (<i>Ocimum basilicum</i> L.). <i>Scientia Horticulturae</i> , 2019, 254, 91-98.	3.6	25
22	SPECTRO-RADIOMETRICAL CHARACTERIZATION OF PLASTIC NETS FOR PROTECTED CULTIVATION. <i>Acta Horticulturae</i> , 2008, , 245-252.	0.2	24
23	Valorization of Agricultural By-Products Within the "Energyscapes" Renewable Energy as Driving Force in Modeling Rural Landscape. <i>Natural Resources Research</i> , 2019, 28, 111-124.	4.7	24
24	Biodegradable pots for Poinsettia cultivation: Agronomic and technical traits. <i>Scientia Horticulturae</i> , 2015, 197, 150-156.	3.6	21
25	Valorisation of vernacular farm buildings for the sustainable development of rural tourism in mountain areas of the Adriatic-Ionian macro-region. <i>Journal of Agricultural Engineering</i> , 2017, 48, 21.	1.5	21
26	Analysis of the Characteristics of Traditional Rural Constructions for Animal Corrals in the Adriatic-Ionian Area. <i>Sustainability</i> , 2017, 9, 1441.	3.2	20
27	Modified plastic net-houses as alternative agricultural structures for saving energy and water in hot and sunny regions. <i>Renewable Energy</i> , 2016, 93, 332-339.	8.9	19
28	Multilayers Polyethylene Film for Crop Protection in Harsh Climatic Conditions. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-7.	1.8	17
29	Historical GIS as a Tool for Monitoring, Preserving and Planning Forest Landscape: A Case Study in a Mediterranean Region. <i>Land</i> , 2021, 10, 851.	2.9	15
30	Agrochemical plastic packaging waste decontamination for recycling: Pilot tests in Italy. <i>Journal of Agricultural Engineering</i> , 2019, 50, 99-104.	1.5	14
31	Vernacular farm buildings in landscape planning: a typological analysis in a southern Italian region. <i>Journal of Agricultural Engineering</i> , 2012, 43, 20.	1.5	13
32	Technical Properties of Regenerated Plastic Material Bars Produced from Recycled Agricultural Plastic Film. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 1207-1214.	1.9	13
33	Planning the Flows of Residual Biomass Produced by Wineries for the Preservation of the Rural Landscape. <i>Sustainability</i> , 2020, 12, 847.	3.2	12
34	Soil reinforcement potential of cultivated cardoon (<i>Cynara cardunculus</i> L.): First data of root tensile strength and density. <i>Catena</i> , 2022, 211, 106016.	5.0	10
35	Which are the best practices for MSc programmes in sustainable agriculture?. <i>Journal of Cleaner Production</i> , 2021, 303, 126914.	9.3	9
36	INTEGRATING REMOTE-SENSED AND HISTORICAL GEODATA TO ASSESS INTERACTIONS BETWEEN RURAL BUILDINGS AND AGROFORESTRY LAND. <i>Journal of Environmental Engineering and Landscape Management</i> , 2021, 29, 229-243.	1.0	8

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37	THE EFFECT OF SOIL SOLARIZATION AND PROTECTION TECHNIQUES ON YIELD TRAITS OF MELON IN UNHEATED GREENHOUSE. <i>Acta Horticulturae</i> , 2001, , 705-712.	0.2	7
38	Concrete Blocks Reinforced with <i>Arundo donax</i> Natural Fibers with Different Aspect Ratios for Application in Bioarchitecture. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2167.	2.5	7
39	Planning the Flows of Residual Biomass Produced by Wineries for Their Valorization in the Framework of a Circular Bioeconomy. <i>Lecture Notes in Civil Engineering</i> , 2020, , 295-303.	0.4	6
40	Implementing a GIS-Based Digital Atlas of Agricultural Plastics to Reduce Their Environmental Footprint; Part I: A Deductive Approach. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1330.	2.5	6
41	MECHANICAL CHARACTERIZATION OF PLASTIC NETS FOR PROTECTED CULTIVATION. <i>Acta Horticulturae</i> , 2008, , 91-98.	0.2	5
42	SAR sensors measurements for environmental classification: Machine learning-based performances. <i>IEEE Instrumentation and Measurement Magazine</i> , 2020, 23, 23-30.	1.6	5
43	Experimental analysis on concrete blocks reinforced with <i>Arundo donax</i> fibers. <i>Journal of Agricultural Engineering</i> , 0, , .	1.5	5
44	New Technologies for Ecosystem Analysis Planning and Management. , 2012, , .		4
45	Effect of Shape, Orientation and Aging of a Plastic Greenhouse Cover on the Degradation Rate of the Optical Properties in Arid Climates. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2709.	2.5	4
46	Spatial Analysis of the Impact of Rural Buildings on the Agro-Forestry Landscape Using GIS. <i>Lecture Notes in Civil Engineering</i> , 2020, , 207-214.	0.4	3
47	Comparison of the Efficiency of Plastic Nets for Shading Greenhouse in Different Climates. <i>Lecture Notes in Civil Engineering</i> , 2020, , 287-294.	0.4	3
48	The use of shading nets for the greenhouse cultivation of sweet pepper in the Mediterranean area. <i>Acta Horticulturae</i> , 2017, , 373-380.	0.2	2
49	Physical and gas permeation properties of five-layer polyethylene film used as greenhouse roof. <i>Journal of Agricultural Engineering</i> , 2018, 49, 124-129.	1.5	2
50	Performance of multilayered LDPE films used as greenhouse cover in semiarid climate. <i>Journal of Elastomers and Plastics</i> , 2019, 51, 211-223.	1.5	2
51	Analysis of the Evolution of a Rural Landscape by Combining SAR Geodata with GIS Techniques. <i>Lecture Notes in Civil Engineering</i> , 2020, , 255-263.	0.4	2
52	ANALYSIS OF THE EFFECT ON RURAL LANDSCAPE OF WIDE COVERINGS FOR CROP GROWING. <i>Acta Horticulturae</i> , 2008, , 325-332.	0.2	2
53	Improving the greenhouse energy efficiency through the reuse of agricultural residues. <i>Acta Horticulturae</i> , 2017, , 501-508.	0.2	2
54	GIScience and Historical Cartography for Evaluating Land Use Changes and Resulting Effects on Carbon Balance. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 179.	2.9	2

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55	Implementing a Landscape Information Modelling (LIM) tool for planning leisure facilities and landscape protection. , 2022, , .		2
56	Vernacular farm buildings in landscape planning: a typological analysis in a southern Italian region. Journal of Agricultural Engineering, 2012, 43, 20.	1.5	2
57	Computational Study of the Natural Ventilation Driven by Buoyancy Forces. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 67-72.	0.4	1
58	Degradation Characteristics of the Optical Constants of PE-LD Film-Covered Greenhouses in an Arid Climate. International Journal of Thermophysics, 2019, 40, 1.	2.1	1
59	ANALYSIS OF NOCTURNAL MICROCLIMATE IN SINGLE SKIN COLD GREENHOUSES IN MEDITERRANEAN COUNTRIES. Acta Horticulturae, 1990, , 47-56.	0.2	1
60	The implementation of a GIS as an effective tool for the valorization of typical food products from marginal areas. , 2022, , .		0
61	Reducing the visual impact of plasticulture on rural landscapes by a sustainable management of agricultural plastics. , 2022, , .		0
62	A GIS approach for the quantification of forest and agricultural biomass in the Basilicata region. Journal of Agricultural Engineering, 2013, 44, .	1.5	0