

# 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  
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63  
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63  
docs citations

63  
times ranked

1161  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Implementing a Landscape Information Modelling (LIM) tool for planning leisure facilities and landscape protection. , 2022, , .		2
7	The implementation of a GIS as an effective tool for the valorization of typical food products from marginal areas. , 2022, , .		0
8	Reducing the visual impact of plasticulture on rural landscapes by a sustainable management of agricultural plastics. , 2022, , .		0
9	Which are the best practices for MSc programmes in sustainable agriculture?. <i>Journal of Cleaner Production</i> , 2021, 303, 126914.	9.3	9
10	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
11	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
12	Decontamination and recycling of agrochemical plastic packaging waste. <i>Journal of Hazardous Materials</i> , 2020, 381, 120965.	12.4	27
13	SAR sensors measurements for environmental classification: Machine learning-based performances. <i>IEEE Instrumentation and Measurement Magazine</i> , 2020, 23, 23-30.	1.6	5
14	Vernacular Farm Buildings and Rural Landscape: A Geospatial Approach for Their Integrated Management. <i>Sustainability</i> , 2020, 12, 4.	3.2	28
15	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
16	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
17	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
18	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

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19	Comparison of the Efficiency of Plastic Nets for Shading Greenhouse in Different Climates. Lecture Notes in Civil Engineering, 2020, , 287-294.	0.4	3
20	Performance of multilayered LDPE films used as greenhouse cover in semiarid climate. Journal of Elastomers and Plastics, 2019, 51, 211-223.	1.5	2
21	GIS-based Analysis of Temporal Evolution of Rural Landscape: A Case Study in Southern Italy. Natural Resources Research, 2019, 28, 61-75.	4.7	36
22	Agrochemical plastic packaging waste decontamination for recycling: Pilot tests in Italy. Journal of Agricultural Engineering, 2019, 50, 99-104.	1.5	14
23	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
24	Investigating the time evolution of a rural landscape: How historical maps may provide environmental information when processed using a GIS. Ecological Engineering, 2019, 139, 105580.	3.6	41
25	Influence of shading treatment on yield, morphological traits and phenolic profile of sweet basil ( <i>Ocimum basilicum</i> L.). Scientia Horticulturae, 2019, 254, 91-98.	3.6	25
26	Valorization of Agricultural By-Products Within the "Energyscapes" Renewable Energy as Driving Force in Modeling Rural Landscape. Natural Resources Research, 2019, 28, 111-124.	4.7	24
27	Physical and gas permeation properties of five-layer polyethylene film used as greenhouse roof. Journal of Agricultural Engineering, 2018, 49, 124-129.	1.5	2
28	Using Historical Maps within a GIS to Analyze Two Centuries of Rural Landscape Changes in Southern Italy. Land, 2017, 6, 65.	2.9	64
29	Analysis of the Characteristics of Traditional Rural Constructions for Animal Corrals in the Adriatic-Ionian Area. Sustainability, 2017, 9, 1441.	3.2	20
30	Multilayers Polyethylene Film for Crop Protection in Harsh Climatic Conditions. Advances in Materials Science and Engineering, 2017, 2017, 1-7.	1.8	17
31	Valorisation of vernacular farm buildings for the sustainable development of rural tourism in mountain areas of the Adriatic-Ionian macro-region. Journal of Agricultural Engineering, 2017, 48, 21.	1.5	21
32	The use of shading nets for the greenhouse cultivation of sweet pepper in the Mediterranean area. Acta Horticulturae, 2017, , 373-380.	0.2	2
33	Improving the greenhouse energy efficiency through the reuse of agricultural residues. Acta Horticulturae, 2017, , 501-508.	0.2	2
34	Analysis of the effects of agricultural land use change on rural environment and landscape through historical cartography and GIS tools. Journal of Agricultural Engineering, 2016, 47, 28.	1.5	38
35	The effect of sand wind, temperature and exposure time on tri-layer polyethylene film used as greenhouse roof. Plastics, Rubber and Composites, 2016, 45, 346-351.	2.0	33
36	Use of traditional material in farm buildings for a sustainable rural environment. International Journal of Sustainable Built Environment, 2016, 5, 451-460.	3.2	35

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37	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
38	Biodegradable pots for Poinsettia cultivation: Agronomic and technical traits. <i>Scientia Horticulturae</i> , 2015, 197, 150-156.	3.6	21
39	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
40	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
41	Rural landscape planning through spatial modelling and image processing of historical maps. <i>Land Use Policy</i> , 2015, 42, 71-82.	5.6	44
42	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
43	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
44	A GIS approach for the quantification of forest and agricultural biomass in the Basilicata region. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	1.5	0
45	Experimental tests and technical characteristics of regenerated films from agricultural plastics. <i>Polymer Degradation and Stability</i> , 2012, 97, 1654-1661.	5.8	68
46	New Technologies for Ecosystem Analysis Planning and Management. , 2012, , .		4
47	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
48	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	2
49	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
50	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
51	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
52	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
53	SPECTRO-RADIOMETRICAL CHARACTERIZATION OF PLASTIC NETS FOR PROTECTED CULTIVATION. <i>Acta Horticulturae</i> , 2008, , 245-252.	0.2	24
54	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

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55	MECHANICAL CHARACTERIZATION OF PLASTIC NETS FOR PROTECTED CULTIVATION. Acta Horticulturae, 2008, , 91-98.	0.2	5
56	ANALYSIS OF THE EFFECT ON RURAL LANDSCAPE OF WIDE COVERINGS FOR CROP GROWING. Acta Horticulturae, 2008, , 325-332.	0.2	2
57	THE EFFECT OF SOIL SOLARIZATION AND PROTECTION TECHNIQUES ON YIELD TRAITS OF MELON IN UNHEATED GREENHOUSE. Acta Horticulturae, 2001, , 705-712.	0.2	7
58	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
59	Analysis of the efficiency of greenhouse ventilation using computational fluid dynamics. Agricultural and Forest Meteorology, 1997, 85, 217-228.	4.8	118
60	Computational analysis of ventilation in greenhouses at zero- and low-wind-speeds. Agricultural and Forest Meteorology, 1997, 88, 121-135.	4.8	102
61	ANALYSIS OF NOCTURNAL MICROCLIMATE IN SINGLE SKIN COLD GREENHOUSES IN MEDITERRANEAN COUNTRIES. Acta Horticulturae, 1990, , 47-56.	0.2	1
62	Experimental analysis on concrete blocks reinforced with <em>Arundo donax</em> fibers. Journal of Agricultural Engineering, 0, , .	1.5	5