

Andrea Pezzuolo

List of Publications by Year in descending order

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43
papers

1,025
citations

430754

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434063

31
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all docs

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docs citations

43
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Where and how? A comprehensive review of multicriteria approaches for bioenergy plant siting. <i>Journal of Cleaner Production</i> , 2022, 346, 131238.	4.6	11
2	2-D/3-D fusion-based robust pose normalisation of 3-D livestock from multiple RGB-D cameras. <i>Biosystems Engineering</i> , 2022, 223, 129-141.	1.9	9
3	A Comparative Study of Machine Learning Methods for Predicting Live Weight of Duroc, Landrace, and Yorkshire Pigs. <i>Animals</i> , 2022, 12, 1152.	1.0	1
4	A comparative environmental life cycle assessment of rice straw-based bioenergy projects in China. <i>Environmental Research</i> , 2022, 212, 113404.	3.7	19
5	Automatic livestock body measurement based on keypoint detection with multiple depth cameras. <i>Computers and Electronics in Agriculture</i> , 2022, 198, 107059.	3.7	17
6	How many gigabytes per hectare are available in the digital agriculture era? A digitization footprint estimation. <i>Computers and Electronics in Agriculture</i> , 2022, 198, 107080.	3.7	40
7	Curve Skeleton Extraction from Incomplete Point Clouds of Livestock and Its Application in Posture Evaluation. <i>Agriculture (Switzerland)</i> , 2022, 12, 998.	1.4	3
8	Challenges and Tendencies of Automatic Milking Systems (AMS): A 20-Years Systematic Review of Literature and Patents. <i>Animals</i> , 2021, 11, 356.	1.0	30
9	Land-Use Change and Bioenergy Production: Soil Consumption and Characterization of Anaerobic Digestion Plants. <i>Energies</i> , 2021, 14, 4001.	1.6	9
10	An assessment of nitrogen loading and biogas production from Italian livestock: A multilevel and spatial analysis. <i>Journal of Cleaner Production</i> , 2021, 317, 128388.	4.6	16
11	Assessing the Digitalization Footprint from Agricultural Fields on Required Data Storage Space. , 2021, , .		0
12	Automatic heart girth measurement for cattle based on deep learning. , 2021, , .		1
13	Digital Technologies and Automation in Livestock Production Systems: a Digital Footprint from Multisource Data. , 2021, , .		3
14	Drivers of farmers' adoption and continuation of climate-smart agricultural practices. A study from northeastern Italy. <i>Science of the Total Environment</i> , 2020, 710, 136345.	3.9	55
15	A GIS-Based Multicriteria Index to Evaluate the Mechanisability Potential of Italian Vineyard Area. <i>Land</i> , 2020, 9, 469.	1.2	16
16	Bibliometric Analysis of Trends in Biomass for Bioenergy Research. <i>Energies</i> , 2020, 13, 3714.	1.6	37
17	Analysis of performances of a commercial three-dimensional (3D) reconstruction camera. , 2020, , .		1
18	A sample of Italian vineyards: Landscape and management parameters dataset. <i>Data in Brief</i> , 2020, 33, 106589.	0.5	7

#	ARTICLE	IF	CITATIONS
19	Energy Monitoring of Fully Automated Dairy-Farm: A Case Study. Lecture Notes in Civil Engineering, 2020, , 611-618.	0.3	0
20	Non-contact feed weight estimation by RFID technology in cow-feed alley. , 2020, , .		7
21	Exploitation of Mowed Grass from Green Areas by Means of Anaerobic Digestion: Effects of Grass Conservation Methods (Drying and Ensiling) on Biogas and Biomethane Yield. Energies, 2019, 12, 3244.	1.6	20
22	Are we ready for the big change in the dairy production system?. Research in Veterinary Science, 2019, 126, 17-19.	0.9	16
23	Effect of the number of daily distributions of solid feed on veal calvesâ€™ health status, behaviour, and alterations of rumen and abomasa. Italian Journal of Animal Science, 2019, 18, 226-235.	0.8	4
24	On-barn pig weight estimation based on body measurements by a Kinect v1 depth camera. Computers and Electronics in Agriculture, 2018, 148, 29-36.	3.7	116
25	Evaluation of the energy and greenhouse gases impacts of grass harvested on riverbanks for feeding anaerobic digestion plants. Journal of Cleaner Production, 2018, 172, 4099-4109.	4.6	32
26	Field-scale electrical resistivity profiling mapping for delineating soil condition in a nitrate vulnerable zone. Applied Soil Ecology, 2018, 123, 780-786.	2.1	20
27	On-Barn Pig Weight Estimation Based on Body Measurements by Structure-from-Motion (SfM). Sensors, 2018, 18, 3603.	2.1	49
28	Biogas from Fresh Spring and Summer Grass: Effect of the Harvesting Period. Energies, 2018, 11, 1466.	1.6	38
29	A Feasibility Study on the Use of a Structured Light Depth-Camera for Three-Dimensional Body Measurements of Dairy Cows in Free-Stall Barns. Sensors, 2018, 18, 673.	2.1	78
30	Modeling soil organic carbon and carbon dioxide emissions in different tillage systems supported by precision agriculture technologies under current climatic conditions. Soil and Tillage Research, 2018, 183, 51-59.	2.6	29
31	Evaluating the impact of soil conservation measures on soil organic carbon at the farm scale. Computers and Electronics in Agriculture, 2017, 135, 175-182.	3.7	41
32	Conservative Precision Agriculture: an assessment of technical feasibility and energy efficiency within the LIFE+ AGRICARE project. Advances in Animal Biosciences, 2017, 8, 439-443.	1.0	6
33	<i>Anaerobic digestion of grass: effect of the harvesting period on biogas yield</i>. , 2017, , .		0
34	Traffic effects on soil compaction and sugar beet (Beta vulgaris L.) taproot quality parameters. Spanish Journal of Agricultural Research, 2017, 15, e0201.	0.3	22
35	Environmental and economic benefits of variable rate nitrogen fertilization in a nitrate vulnerable zone. Science of the Total Environment, 2016, 545-546, 227-235.	3.9	130
36	Preliminary analysis on mowing and harvesting grass along riverbanks for the supply of anaerobic digestion plants in north-eastern Italy. Journal of Agricultural Engineering, 2015, 46, 100.	0.7	28

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37	Application of the Kinect sensor for dynamic soil surface characterization. Precision Agriculture, 2015, 16, 601-612.	3.1	39
38	Critical Factors in Cantilever Near-Field Scanning Optical Microscopy. IEEE Sensors Journal, 2014, 14, 3236-3244.	2.4	8
39	Determination of forest road surface roughness by Kinect depth imaging. Annals of Forest Research, 2014, .	0.6	18
40	Influence of automatic feeding systems on design and management of dairy farms. Journal of Agricultural Engineering, 0, , 48-52.	0.7	25
41	Using SALUS model for medium and long term simulations of energy efficiency in different tillage systems. Applied Mathematical Sciences, 0, 8, 6433-6445.	0.0	18
42	Tractor cabin ergonomics analyses by means of kinect motion capture technology. Contemporary Engineering Sciences, 0, 8, 1339-1349.	0.2	6
43	A 20-YEAR ANALYSIS OF THE EVOLUTION OF AUTOMATIC MILKING SYSTEMS: PROCESSES, TECHNOLOGIES AND LIVESTOCK ENVIRONMENT. , 0, , .		0