

Andrea Pezzuolo

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,025
citations

430754

18
h-index

434063

31
g-index

43
all docs

43
docs citations

43
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental and economic benefits of variable rate nitrogen fertilization in a nitrate vulnerable zone. <i>Science of the Total Environment</i> , 2016, 545-546, 227-235.	3.9	130
2	On-barn pig weight estimation based on body measurements by a Kinect v1 depth camera. <i>Computers and Electronics in Agriculture</i> , 2018, 148, 29-36.	3.7	116
3	A Feasibility Study on the Use of a Structured Light Depth-Camera for Three-Dimensional Body Measurements of Dairy Cows in Free-Stall Barns. <i>Sensors</i> , 2018, 18, 673.	2.1	78
4	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
5	On-Barn Pig Weight Estimation Based on Body Measurements by Structure-from-Motion (SfM). <i>Sensors</i> , 2018, 18, 3603.	2.1	49
6	Evaluating the impact of soil conservation measures on soil organic carbon at the farm scale. <i>Computers and Electronics in Agriculture</i> , 2017, 135, 175-182.	3.7	41
7	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
8	Application of the Kinect sensor for dynamic soil surface characterization. <i>Precision Agriculture</i> , 2015, 16, 601-612.	3.1	39
9	Biogas from Fresh Spring and Summer Grass: Effect of the Harvesting Period. <i>Energies</i> , 2018, 11, 1466.	1.6	38
10	Bibliometric Analysis of Trends in Biomass for Bioenergy Research. <i>Energies</i> , 2020, 13, 3714.	1.6	37
11	Evaluation of the energy and greenhouse gases impacts of grass harvested on riverbanks for feeding anaerobic digestion plants. <i>Journal of Cleaner Production</i> , 2018, 172, 4099-4109.	4.6	32
12	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
13	Modeling soil organic carbon and carbon dioxide emissions in different tillage systems supported by precision agriculture technologies under current climatic conditions. <i>Soil and Tillage Research</i> , 2018, 183, 51-59.	2.6	29
14	Preliminary analysis on mowing and harvesting grass along riverbanks for the supply of anaerobic digestion plants in north-eastern Italy. <i>Journal of Agricultural Engineering</i> , 2015, 46, 100.	0.7	28
15	Influence of automatic feeding systems on design and management of dairy farms. <i>Journal of Agricultural Engineering</i> , 0, , 48-52.	0.7	25
16	Traffic effects on soil compaction and sugar beet (<i>Beta vulgaris</i> L.) taproot quality parameters. <i>Spanish Journal of Agricultural Research</i> , 2017, 15, e0201.	0.3	22
17	Field-scale electrical resistivity profiling mapping for delineating soil condition in a nitrate vulnerable zone. <i>Applied Soil Ecology</i> , 2018, 123, 780-786.	2.1	20
18	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. <i>Energies</i> , 2019, 12, 3244.	1.6	20

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19	A comparative environmental life cycle assessment of rice straw-based bioenergy projects in China. <i>Environmental Research</i> , 2022, 212, 113404.	3.7	19
20	Using SALUS model for medium and long term simulations of energy efficiency in different tillage systems. <i>Applied Mathematical Sciences</i> , 0, 8, 6433-6445.	0.0	18
21	Determination of forest road surface roughness by Kinect depth imaging. <i>Annals of Forest Research</i> , 2014, .	0.6	18
22	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
23	Are we ready for the big change in the dairy production system?. <i>Research in Veterinary Science</i> , 2019, 126, 17-19.	0.9	16
24	A GIS-Based Multicriteria Index to Evaluate the Mechanisability Potential of Italian Vineyard Area. <i>Land</i> , 2020, 9, 469.	1.2	16
25	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
26	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
27	Land-Use Change and Bioenergy Production: Soil Consumption and Characterization of Anaerobic Digestion Plants. <i>Energies</i> , 2021, 14, 4001.	1.6	9
28	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
29	Critical Factors in Cantilever Near-Field Scanning Optical Microscopy. <i>IEEE Sensors Journal</i> , 2014, 14, 3236-3244.	2.4	8
30	A sample of Italian vineyards: Landscape and management parameters dataset. <i>Data in Brief</i> , 2020, 33, 106589.	0.5	7
31	Non-contact feed weight estimation by RFID technology in cow-feed alley. , 2020, , .		7
32	Conservative Precision Agriculture: an assessment of technical feasibility and energy efficiency within the LIFE+ AGRICARE project. <i>Advances in Animal Biosciences</i> , 2017, 8, 439-443.	1.0	6
33	Tractor cabin ergonomics analyses by means of kinect motion capture technology. <i>Contemporary Engineering Sciences</i> , 0, 8, 1339-1349.	0.2	6
34	Effect of the number of daily distributions of solid feed on veal calves' health status, behaviour, and alterations of rumen and abomasa. <i>Italian Journal of Animal Science</i> , 2019, 18, 226-235.	0.8	4
35	Digital Technologies and Automation in Livestock Production Systems: a Digital Footprint from Multisource Data. , 2021, , .		3
36	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

#	ARTICLE	IF	CITATIONS
37	Analysis of performances of a commercial three-dimensional (3D) reconstruction camera. , 2020, , .		1
38	Automatic heart girth measurement for cattle based on deep learning. , 2021, , .		1
39	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
40	<i>Anaerobic digestion of grass: effect of the harvesting period on biogas yield</i>. , 2017, , .		0
41	A 20-YEAR ANALYSIS OF THE EVOLUTION OF AUTOMATIC MILKING SYSTEMS: PROCESSES, TECHNOLOGIES AND LIVESTOCK ENVIRONMENT. , 0, , .		0
42	Energy Monitoring of Fully Automated Dairy-Farm: A Case Study. <i>Lecture Notes in Civil Engineering</i> , 2020, , 611-618.	0.3	0
43	Assessing the Digitalization Footprint from Agricultural Fields on Required Data Storage Space. , 2021, , .		0