Paolo Menesatti

List of Publications by Year
in descending order

77 papers	3,211 citations
136740 32 h-index	161609 54 g-index
78 all docs	78 docs citations
78 times ranked	3533 citing authors

#	Article	IF	Citations
1	Application of near‐infrared handheld spectrometers to predict semolina quality. Journal of the Science of Food and Agriculture, 2021, 101, 151-157.	1.7	16
2	Volatile organic compound emission and biochemical properties of degraded Ultisols ameliorated by no tillage and liming. Pedosphere, 2020, 30, 597-606.	2.1	6
3	Trends in research on durum wheat and pasta, a bibliometric mapping approach. Cereal Chemistry, 2020, 97, 581-588.	1.1	10
4	A review on blockchain applications in the agri‐food sector. Journal of the Science of Food and Agriculture, 2019, 99, 6129-6138.	1.7	211
5	Optoelectronic proximal sensing vehicle-mounted technologies in precision agriculture: A review. Computers and Electronics in Agriculture, 2019, 162, 859-873.	3.7	49
6	Science mapping approach to analyze the research evolution on precision agriculture: world, EU and Italian situation. Precision Agriculture, 2018, 19, 1011-1026.	3.1	66
7	A Blockchain Implementation Prototype for the Electronic Open Source Traceability of Wood along the Whole Supply Chain. Sensors, 2018, 18, 3133.	2.1	156
8	Digital stereovision system for dendrometry, georeferencing and data management. Biosystems Engineering, 2018, 174, 126-133.	1.9	7
9	Machine Vision Retrofit System for Mechanical Weed Control in Precision Agriculture Applications. Sustainability, 2018, 10, 2209.	1.6	24
10	Plant Phenotyping Research Trends, a Science Mapping Approach. Frontiers in Plant Science, 2018, 9, 1933.	1.7	113
11	Multivariate Approaches to Electronic Nose and PTR‐TOF‐MS Technologies in Agro-Food Products. , 2016, , 73-82.		6
12	A Low-Cost Image Analysis System to Upgrade the Rudin Beer Foam Head Retention Meter. Food and Bioprocess Technology, 2016, 9, 1587-1597.	2.6	12
13	An innovative multivariate tool for fuel consumption and costs estimation of agricultural operations. Spanish Journal of Agricultural Research, 2016, 14, e0209.	0.3	7
14	Soil volatile analysis by proton transfer reaction-time of flight mass spectrometry (PTR-TOF-MS). Applied Soil Ecology, 2015, 86, 182-191.	2.1	55
15	Class‐modeling approach to <scp>PTR‐TOFMS</scp> data: a peppers case study. Journal of the Science of Food and Agriculture, 2015, 95, 1757-1763.	1.7	35
16	Use of volatile organic compounds and physicochemical parameters for monitoring the post-harvest ripening of imported tropical fruits. European Food Research and Technology, 2015, 241, 91-102.	1.6	43
17	Comparison between manual and stereovision body traits measurements of Lipizzan horses. Computers and Electronics in Agriculture, 2015, 118, 408-413.	3.7	21
18	Automated determination of poplar chip size distribution based on combined image and multivariate analyses. Biomass and Bioenergy, 2015, 73, 1-10.	2.9	32

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19	A multivariate SIMCA index as discriminant in wood pellet quality assessment. Renewable Energy, 2015, 76, 258-263.	4.3	16
20	Hyperspectral Visibleâ€"Near Infrared Determination of Arsenic Concentration in Soil. Communications in Soil Science and Plant Analysis, 2014, 45, 2911-2920.	0.6	19
21	Colorimetric patterns of wood pellets and their relations with quality and energy parameters. Fuel, 2014, 137, 70-76.	3.4	35
22	Innovative Automated Landmark Detection for Food Processing: The Backwarping Approach. Food and Bioprocess Technology, 2014, 7, 2291-2298.	2.6	9
23	A low-cost stereovision system to estimate size and weight of live sheep. Computers and Electronics in Agriculture, 2014, 103, 33-38.	3.7	66
24	An automated multi-flume actograph for the study of behavioral rhythms of burrowing organisms. Journal of Experimental Marine Biology and Ecology, 2013, 446, 177-185.	0.7	18
25	An Advanced Colour Calibration Method for Fish Freshness Assessment: a Comparison Between Standard and Passive Refrigeration Modalities. Food and Bioprocess Technology, 2013, 6, 2190-2195.	2.6	26
26	Light-dependent genetic and phenotypic differences in the squat lobster Munida tenuimana (Crustacea:) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	6
27	Laboratory vs. in-field spectral proximal sensing for early detection of Fusarium head blight infection in durum wheat. Biosystems Engineering, 2013, 114, 289-293.	1.9	25
28	A Review on Agri-food Supply Chain Traceability by Means of RFID Technology. Food and Bioprocess Technology, 2013, 6, 353-366.	2.6	235
29	A New Colorimetrically-Calibrated Automated Video-Imaging Protocol for Day-Night Fish Counting at the OBSEA Coastal Cabled Observatory. Sensors, 2013, 13, 14740-14753.	2.1	12
30	Assessment of qualityâ€"assured Tarocco orange fruit sorting rules by combined physicochemical and sensory testing. Journal of the Science of Food and Agriculture, 2013, 93, 1176-1183.	1.7	7
31	Thermographic medium-far ground-based proximal sensing for in-field wheat Stagonospora nodorum blotch detection. Journal of Plant Diseases and Protection, 2013, 120, 205-208.	1.6	6
32	Determining wood chip size: image analysis and clustering methods. Journal of Agricultural Engineering, 2013, 44, .	0.7	1
33	RGB Color Calibration for Quantitative Image Analysis: The â€œ3D Thin-Plate Splineâ€•Warping Approach. Sensors, 2012, 12, 7063-7079.	2.1	74
34	A RFID web-based infotracing system for the artisanal Italian cheese quality traceability. Food Control, 2012, 27, 234-241.	2.8	61
35	Non-destructive Proximal Sensing for Early Detection of Citrus Nutrient and Water Stress. , 2012, , 113-123.		3
36	Viscoelastic Properties of Tarocco Orange Fruit. Food and Bioprocess Technology, 2012, 5, 2360-2369.	2.6	5

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37	Cost and Waste Comparison of Reusable and Disposable Shipping Containers for Cut Flowers. Packaging Technology and Science, 2012, 25, 203-215.	1.3	31
38	Electronic nose application for determination of *Penicillium digitatum* in Valencia oranges. Journal of the Science of Food and Agriculture, 2012, 92, 2008-2012.	1.7	35
39	Quantitative Method for Shape Description of Almond Cultivars (Prunus amygdalus Batsch). Food and Bioprocess Technology, 2012, 5, 768-785.	2.6	26
40	Advantages of Using Quantitative Shape Descriptors in Protocols for Plant Cultivar and Postharvest Product Quality Assessment. Food and Bioprocess Technology, 2012, 5, 1-2.	2.6	35
41	Performance modelling in forest operations through partial least square regression. Silva Fennica, 2012, 46, .	0.5	18
42	Shifting feeding behaviour of deep-sea buccinid gastropods at natural and simulated food falls. Marine Ecology - Progress Series, 2012, 458, 247-253.	0.9	22
43	Pomology observations, morphometric analysis, ultrastructural study and allelic profiles of â€œolivastra Seggianeseâ€•endocarps from ancient olive trees (Olea europaea L.). Comptes Rendus - Biologies, 2011, 334, 39-49.	0.1	9
44	Activity rhythms in the deep-sea: a chronobiological approach. Frontiers in Bioscience - Landmark, 2011, 16, 131.	3.0	63
45	Ontogenetic and environmental effects on otolith shape variability in three Mediterranean European eel (Anguilla anguilla, L.) local stocks. Journal of Experimental Marine Biology and Ecology, 2011, 397, 1-7.	0.7	82
46	Multi-parametric study of behavioural modulation in demersal decapods at the VENUS cabled observatory in Saanich Inlet, British Columbia, Canada. Journal of Experimental Marine Biology and Ecology, 2011, 401, 89-96.	0.7	31
47	Accumulation of heavy metals to assess the health status of swordfish in a comparative analysis of Mediterranean and Atlantic areas. Marine Pollution Bulletin, 2011, 62, 1920-1925.	2.3	50
48	Nitrogen Concentration Estimation in Tomato Leaves by VIS-NIR Non-Destructive Spectroscopy. Sensors, 2011, 11, 6411-6424.	2.1	100
49	Application of non-invasive techniques to differentiate sea bass (Dicentrarchus labrax, L. 1758) quality cultured under different conditions. Aquaculture International, 2011, 19, 765-778.	1.1	34
50	Non-destructive Estimation of Mandarin Maturity Status Through Portable VIS-NIR Spectrophotometer. Food and Bioprocess Technology, 2011, 4, 809-813.	2.6	102
51	Shape Analysis of Agricultural Products: A Review of Recent Research Advances and Potential Application to Computer Vision. Food and Bioprocess Technology, 2011, 4, 673-692.	2.6	228
52	Assessment of the mechanical properties of Tarocco orange fruit under parallel plate compression. Journal of Food Engineering, 2011, 103, 308-316.	2.7	26
53	Development of a Rapid Soil Water Content Detection Technique Using Active Infrared Thermal Methods for In-Field Applications. Sensors, 2011, 11, 10114-10128.	2.1	28
54	The New Seafloor Observatory (OBSEA) for Remote and Long-Term Coastal Ecosystem Monitoring. Sensors, 2011, 11, 5850-5872.	2.1	73

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55	Automated Image Analysis for the Detection of Benthic Crustaceans and Bacterial Mat Coverage Using the VENUS Undersea Cabled Network. Sensors, 2011, 11, 10534-10556.	2.1	36
56	A New Laboratory Radio Frequency Identification (RFID) System for Behavioural Tracking of Marine Organisms. Sensors, 2011, 11, 9532-9548.	2.1	36
57	External Shape Differences between Sympatric Populations of Commercial Clams Tapes decussatus and T. philippinarum. Food and Bioprocess Technology, 2010, 3, 43-48.	2.6	43
58	Image Analysis Techniques for Automated Hazelnut Peeling Determination. Food and Bioprocess Technology, 2010, 3, 155-159.	2.6	58
59	Genetic and environmental influences on shape variation in the European sea bass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	33
60	Image analysis of the ventral colour pattern discriminates between Spectacled salamanders, Salamandrina perspicillata and S. terdigitata (Amphibia, Salamandridae). Amphibia - Reptilia, 2010, 31, 273-282.	0.1	10
61	Quality Evaluation of Fish by Hyperspectral Imaging. , 2010, , 273-294.		30
62	A Novel Morphometry-Based Protocol of Automated Video-Image Analysis for Species Recognition and Activity Rhythms Monitoring in Deep-Sea Fauna. Sensors, 2009, 9, 8438-8455.	2.1	45
63	Prediction of blood orange MT firmness by multivariate modelling of low alterative penetrometric data set: A preliminary study. Postharvest Biology and Technology, 2009, 51, 434-436.	2.9	8
64	Quantitative evaluation of Tarocco sweet orange fruit shape using optoelectronic elliptic Fourier based analysis. Postharvest Biology and Technology, 2009, 54, 38-47.	2.9	61
65	Supervised Multivariate Analysis of Hyper-spectral NIR Images to Evaluate the Starch Index of Apples. Food and Bioprocess Technology, 2009, 2, 308-314.	2.6	130
66	A new morphometric implemented video-image analysis protocol for the study of social modulation in activity rhythms of marine organisms. Journal of Neuroscience Methods, 2009, 184, 161-168.	1.3	18
67	Monochromatic blue light entrains diel activity cycles in the Norway lobster, <i>Nephrops norvegicus</i> (L.) as measured by automated video-image analysis. Scientia Marina, 2009, 73, 773-783.	0.3	19
68	Shape-based methodology for multivariate discrimination among Italian hazelnut cultivars. Biosystems Engineering, 2008, 101, 417-424.	1.9	56
69	Shape analysis of different populations of clams in relation to their geographical structure. Journal of Zoology, 2008, 276, 71-80.	0.8	59
70	Hyperspectral imaging based techniques in ornamental stone characterization. , 2005, , .		1
71	Hyperspectral imaging based techniques in contaminated soils characterization. , 2005, , .		1
72	Digital imaging-based spectrophotometric techniques for soil pathogen monitoring and detection. , 2004, , .		0

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73	Multi and hyperspectral digital-imaging-based techniques for agricultural soil characterization. , 2004, , .		5
74	PHâ€"Postharvest Technology. Biosystems Engineering, 2001, 80, 53-64.	0.4	30
75	Predictive Statistical Model for the Analysis of Drop Impact Damage on Peach. Biosystems Engineering, 1999, 73, 275-282.	0.4	9
76	Using image analysis on the ventral colour pattern in Salamandrina perspicillata (Amphibia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 To 35-43.	0.7	14
77	Influence of diel behaviour in the morphology of decapod natantia. Biological Journal of the Linnean Society, 0, 96, 517-532.	0.7	23