

# Massimo Cecchini

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

1,571  
citations

304368

22  
h-index

329751

37  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revolution 4.0: Industry vs. Agriculture in a Future Development for SMEs. Processes, 2019, 7, 36.	1.3	227
2	Ultrasonic waves for materials evaluation in fatigue, thermal and corrosion damage: A review. Mechanical Systems and Signal Processing, 2019, 120, 32-42.	4.4	118
3	Urban sprawl and the "olive"™ landscape: sustainable land management for "crisis"™ cities. Geo Journal, 2019, 84, 237-255.	1.7	110
4	Nondestructive detection of insect infested chestnuts based on NIR spectroscopy. Postharvest Biology and Technology, 2014, 87, 88-94.	2.9	63
5	Effects of controlled atmospheres and low temperature on storability of chestnuts manually and mechanically harvested. Postharvest Biology and Technology, 2011, 61, 131-136.	2.9	53
6	Feasibility of NIR spectroscopy to detect olive fruit infested by Bactrocera oleae. Postharvest Biology and Technology, 2015, 99, 58-62.	2.9	51
7	An Innovative Agro-Forestry Supply Chain for Residual Biomass: Physicochemical Characterisation of Biochar from Olive and Hazelnut Pellets. Energies, 2016, 9, 526.	1.6	50
8	Rethinking Sustainability within the Viticulture Realities Integrating Economy, Landscape and Energy. Sustainability, 2018, 10, 320.	1.6	45
9	A model for musculoskeletal disorder-related fatigue in upper limb manipulation during industrial vegetables sorting. International Journal of Industrial Ergonomics, 2014, 44, 601-605.	1.5	42
10	Detection of Mold-Damaged Chestnuts by Near-Infrared Spectroscopy. Postharvest Biology and Technology, 2014, 93, 83-90.	2.9	41
11	Hazelnut Quality Sorting Using High Dynamic Range Short-Wave Infrared Hyperspectral Imaging. Food and Bioprocess Technology, 2015, 8, 1593-1604.	2.6	39
12	Maintaining the quality of unripe, fresh hazelnuts through storage under modified atmospheres. Postharvest Biology and Technology, 2012, 65, 33-38.	2.9	38
13	The Semitransparent Photovoltaic Films for Mediterranean Greenhouse: A New Sustainable Technology. Mathematical Problems in Engineering, 2012, 2012, 1-14.	0.6	37
14	Feasibility of Vis/NIR spectroscopy for detection of flaws in hazelnut kernels. Journal of Food Engineering, 2013, 118, 1-7.	2.7	37
15	Energy Characterization and Gasification of Biomass Derived by Hazelnut Cultivation: Analysis of Produced Syngas by Gas Chromatography. Mathematical Problems in Engineering, 2012, 2012, 1-9.	0.6	35
16	Near-infrared spectroscopy for detection of hailstorm damage on olive fruit. Postharvest Biology and Technology, 2016, 120, 204-212.	2.9	33
17	Automated determination of poplar chip size distribution based on combined image and multivariate analyses. Biomass and Bioenergy, 2015, 73, 1-10.	2.9	32
18	Near infrared spectroscopy is suitable for the classification of hazelnuts according to Protected Designation of Origin. Journal of the Science of Food and Agriculture, 2015, 95, 2619-2625.	1.7	31

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19	Safety Knowledge and Changing Behavior in Agricultural Workers: an Assessment Model Applied in Central Italy. <i>Safety and Health at Work</i> , 2018, 9, 164-171.	0.3	30
20	Solar Radiation Distribution inside a Greenhouse Prototypal with Photovoltaic Mobile Plant and Effects on Flower Growth. <i>Sustainability</i> , 2018, 10, 855.	1.6	30
21	Perspective and potential of CO <sub>2</sub> : A focus on potentials for renewable energy conversion in the Mediterranean basin. <i>Renewable Energy</i> , 2016, 90, 248-256.	4.3	26
22	Smart Machines, Remote Sensing, Precision Farming, Processes, Mechatronic, Materials and Policies for Safety and Health Aspects. <i>Agriculture (Switzerland)</i> , 2018, 8, 47.	1.4	23
23	Chemical characterization and biological effects of immature durum wheat in rats. <i>Journal of Cereal Science</i> , 2006, 43, 129-136.	1.8	20
24	Performance Analysis of a Small-Scale ORC Trigereneration System Powered by the Combustion of Olive Pomace. <i>Energies</i> , 2019, 12, 2279.	1.6	20
25	Urban green spaces activities: A preparatory groundwork for a safety management system. <i>Journal of Safety Research</i> , 2016, 56, 75-82.	1.7	19
26	Effect of alternative postharvest control treatments on the storability of "Golden Delicious" apples. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 2691-2697.	1.7	18
27	Plant for the Production of Chips and Pellet: Technical and Economic Aspects of an Case Study in the Central Italy. <i>Lecture Notes in Computer Science</i> , 2011, , 296-306.	1.0	18
28	Review: Recent Advances in the Use of Non-Destructive near Infrared Spectroscopy for Intact Olive Fruits. <i>Journal of Near Infrared Spectroscopy</i> , 2015, 23, 197-208.	0.8	17
29	The heat stress for workers employed in a dairy farm. <i>Journal of Agricultural Engineering</i> , 2014, 44, 170.	0.7	16
30	Environmental and Economic Analysis of an Anaerobic Co-Digestion Power Plant Integrated with a Compost Plant. <i>Energies</i> , 2020, 13, 2724.	1.6	16
31	Analysis of internal shading degree to a prototype of dynamics photovoltaic greenhouse through simulation software. <i>Journal of Agricultural Engineering</i> , 2015, 46, 144.	0.7	15
32	In-Between Sprawl and Neo-Rurality: Sparse Settlements and the Evolution of Socio-Demographic Local Context in a Mediterranean Region. <i>Sustainability</i> , 2018, 10, 3670.	1.6	12
33	The risk of musculoskeletal disorders due to repetitive movements of upper limbs for workers employed in hazelnut sorting. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	11
34	A Time-Series Analysis of Climate Variability in Urban and Agricultural Sites (Rome, Italy). <i>Agriculture (Switzerland)</i> , 2019, 9, 103.	1.4	11
35	Preliminary Investigation on Systems for the Preventive Diagnosis of Faults on Agricultural Operating Machines. <i>Sensors</i> , 2021, 21, 1547.	2.1	11
36	An overview of risk assessment for tree climber arborists. <i>Contemporary Engineering Sciences</i> , 0, 8, 1171-1177.	0.2	11

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37	Identification of Optimal Mechanization Processes for Harvesting Hazelnuts Based on Geospatial Technologies in Sicily (Southern Italy). <i>Agriculture (Switzerland)</i> , 2017, 7, 56.	1.4	10
38	Innovative Solution for Reducing the Run-Down Time of the Chipper Disc Using a Brake Clamp Device. <i>Agriculture (Switzerland)</i> , 2017, 7, 71.	1.4	10
39	Population Age Structure, Complex Socio-Demographic Systems and Resilience Potential: A Spatio-Temporal, Evenness-Based Approach. <i>Sustainability</i> , 2019, 11, 2050.	1.6	9
40	An Industrial Scale, Mechanical Process for Improving Pellet Quality and Biogas Production from Hazelnut and Olive Pruning. <i>Energies</i> , 2021, 14, 1600.	1.6	9
41	Housing and the City: A Spatial Analysis of Residential Building Activity and the Socio-Demographic Background in a Mediterranean City, 1990â€“2017. <i>Sustainability</i> , 2019, 11, 375.	1.6	8
42	Use of Semi-transparent Photovoltaic Films as Shadowing Systems in Mediterranean Greenhouses. <i>Lecture Notes in Computer Science</i> , 2013, , 231-241.	1.0	8
43	Revolutionizing Towards Sustainable Agricultural Systems: The Role of Energy. <i>Energies</i> , 2019, 12, 3659.	1.6	7
44	Characterization of Biomass Emissions and Potential Reduction in Small-Scale Pellet Boiler. <i>Lecture Notes in Computer Science</i> , 2013, , 192-206.	1.0	7
45	Prospective for hazelnut cultivation small energetic plants outcome in Turkey: Optimization and inspiration from an Italian model. <i>Renewable Energy</i> , 2015, 74, 523-527.	4.3	6
46	A Long-Term Analysis of Demographic Processes, Socioeconomic â€“Modernizationâ€™ and Forest Expansion in a European Country. <i>Sustainability</i> , 2019, 11, 388.	1.6	5
47	Moving toward the north? The spatial shift of olive groves in Italy. <i>Agricultural Economics (Czech)</i> Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	5
48	Overview of the noise measurements process in recent years. <i>Contemporary Engineering Sciences</i> , 0, 8, 1179-1191.	0.2	5
49	Photovoltaic Pumps: Technical and Practical Aspects for Applications in Agriculture. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-19.	0.6	4
50	Study on the possibility of application of a compact roll over protective structure for agricultural wheeled narrow track tractors. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	4
51	Mechatronic Solutions for the Safety of Workers Involved in the Use of Manure Spreader. <i>Agriculture (Switzerland)</i> , 2017, 7, 95.	1.4	4
52	Small-Scale Energy Conversion of Agro-Forestry Residues for Local Benefits and European Competitiveness. <i>Sustainability</i> , 2019, 11, 10.	1.6	4
53	Optimizing the energy conversion process: an application to a biomass gasifier-Stirling engine coupling system. <i>Applied Mathematical Sciences</i> , 0, 7, 6931-6944.	0.0	4
54	Quantification of lead and cadmium in poultry and bird game meat by square-wave anodic-stripping voltammetry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 180-188.	1.1	3

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55	Lattice Compatibility Theory LCT investigations on sulfur-oxygen substitution during Sb <sub>2</sub> S <sub>3</sub> -Sb <sub>2</sub> O <sub>3</sub> crystals growth. <i>Materials Research Express</i> , 2015, 2, 035903.	0.8	3
56	Smart Machinery and Devices for Reducing Risks from Human-Machine Interference in Agriculture: A Review. <i>Lecture Notes in Civil Engineering</i> , 2022, , 195-204.	0.3	3
57	Extra Virgin Olive Oil from Destoned Fruits to Improve the Quality of the Oil and Environmental Sustainability. <i>Foods</i> , 2022, 11, 1479.	1.9	3
58	Assessment of the energetic potential by hazelnuts pruning in Viterboâ€™s area. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	2
59	Near-infrared spectroscopy is feasible to discriminate hazelnut cultivars. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	2
60	Comparison between different protective devices for agricultural wheeled narrow track tractors and a risk index in orchard work. <i>Contemporary Engineering Sciences</i> , 0, 8, 1205-1213.	0.2	2
61	A Survey on Rope-Based Ascending Techniques and Materials of Professional Arborists in Italy. , 2020, 3, .		2
62	THE INFLUENCE OF MECHANICAL HARVESTING ON THE QUALITY OF CHESTNUTS: EXPERIENCES IN THE MONTI CIMINI AREA. <i>Acta Horticulturae</i> , 2003, , 611-616.	0.1	1
63	WP3â€™Innovation in Agriculture and Forestry Sectorâ€™ for Energetic Sustainability. <i>Energies</i> , 2020, 13, 5985.	1.6	1
64	Measurement of the sound power of a self propelled nut harvester. <i>Contemporary Engineering Sciences</i> , 0, 8, 1433-1447.	0.2	1
65	Tensile Strength of Ropes and Friction Hitch Used in Tree Climbing Work. <i>Forests</i> , 2021, 12, 1457.	0.9	1
66	A Survey on Safety Among Tree-Climber Professional Arborists. <i>Lecture Notes in Civil Engineering</i> , 2022, , 357-364.	0.3	1
67	Soil Compaction in Harvesting Operations of <i>Phalaris arundinacea</i> L.. <i>Land</i> , 2022, 11, 1031.	1.2	1
68	Near-infrared spectroscopy is feasible to discriminate hazelnut cultivars. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	0
69	Chemical risk assessment for workers employed in the wine sector. <i>Contemporary Engineering Sciences</i> , 0, 8, 1193-1203.	0.2	0
70	Spatial Analysis for Detecting Recent Work Accidents in Agriculture in Italy. <i>Lecture Notes in Civil Engineering</i> , 2020, , 631-643.	0.3	0
71	Caring of the Fringe? Mediterranean Desertification between Peri-Urban Ecology and Socioeconomics. <i>Sustainability</i> , 2022, 14, 1426.	1.6	0
72	Design, Manufacturing, and Strength Test of a 4-post ROPS Fitted on a Very Low-Profile Tractor (TRACLAS Project). <i>Lecture Notes in Civil Engineering</i> , 2022, , 468-476.	0.3	0

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73	Comparison of Whole-Body-Vibration Exposure Between Quarry and Farm Activities. Lecture Notes in Civil Engineering, 2022, , 242-251.	0.3	0