Mirko Castellini

List of Publications by Year
in descending order

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54	1,192	361413	414414
papers	citations	20 h-index	32 g-index

63	63	63	1219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of Pheidole fallax (Hymenoptera: Formicidae) as an Ecosystem Engineer in Rehabilitated Coal Mine Areas. Applied Sciences (Switzerland), 2022, 12, 1573.	2.5	1
2	Prediction of Soil Organic Carbon at Field Scale by Regression Kriging and Multivariate Adaptive Regression Splines Using Geophysical Covariates. Land, 2022, 11, 381.	2.9	7
3	Compost Amendment Impact on Soil Physical Quality Estimated from Hysteretic Water Retention Curve. Water (Switzerland), 2022, 14, 1002.	2.7	11
4	Open Questions and Research Needs in the Adoption of Conservation Agriculture in the Mediterranean Area. Agronomy, 2022, 12, 1112.	3.0	6
5	Advances in Ecohydrology for Water Resources Optimization in Arid and Semi-Arid Areas. Water (Switzerland), 2022, 14, 1830.	2.7	2
6	Short- and Medium-Term Effects of On-Farm Compost Addition on the Physical and Hydraulic Properties of a Clay Soil. Agronomy, 2022, 12, 1446.	3.0	3
7	Improved Beerkan run methodology to assess water impact effects on infiltration and hydraulic properties of a loam soil under conventionalâ€•and noâ€tillage. Soil Science Society of America Journal, 2021, 85, 235-248.	2.2	6
8	A plot-scale uncertainty analysis of saturated hydraulic conductivity of a clay soil. Journal of Hydrology, 2021, 596, 125694.	5.4	6
9	The Mechanical Impact of Water Affected the Soil Physical Quality of a Loam Soil under Minimum Tillage and No-Tillage: An Assessment Using Beerkan Multi-Height Runs and BEST-Procedure. Land, 2021, 10, 195.	2.9	6
10	Intercropping and rotation with leguminous plants in organic vegetables: crop performance, soil properties and sustainability assessment. Biological Agriculture and Horticulture, 2021, 37, 141-167.	1.0	8
11	Comparison of Two Methods for Total Inorganic Carbon Estimation in Three Soil Types in Mediterranean Area. Land, 2021, 10, 409.	2.9	6
12	Sustainable Agriculture and Soil Conservation. Applied Sciences (Switzerland), 2021, 11, 4146.	2.5	3
13	Assessment of Soil Quality under Different Soil Management Strategies: Combined Use of Statistical Approaches to Select the Most Informative Soil Physico-Chemical Indicators. Applied Sciences (Switzerland), 2021, 11, 5099.	2.5	12
14	Key gaps in soil monitoring during forest restoration in Colombia. Restoration Ecology, 2021, 29, e13391.	2.9	16
15	Rapid and accurate measurement methods for determining soil hydraulic properties: A review. Journal of Hydrology and Hydromechanics, 2021, 69, 121-139.	2.0	14
16	Shade-Grown Coffee in Colombia Benefits Soil Hydraulic Conductivity. Sustainability, 2021, 13, 7768.	3.2	5
17	Cover Crop for a Sustainable Viticulture: Effects on Soil Properties and Table Grape Production. Agronomy, 2020, 10, 1334.	3.0	38
18	Sampled Soil Volume Effect on Soil Physical Quality Determination: A Case Study on Conventional Tillage and No-Tillage of the Soil under Winter Wheat. Soil Systems, 2020, 4, 72.	2.6	5

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19	Estimating the macroscopic capillary length from Beerkan infiltration experiments and its impact on saturated soil hydraulic conductivity predictions. Journal of Hydrology, 2020, 589, 125159.	5.4	26
20	Assessing Water Infiltration and Soil Water Repellency in Brazilian Atlantic Forest Soils. Applied Sciences (Switzerland), 2020, 10, 1950.	2.5	16
21	Estimating the Soil Hydraulic Functions of Some Olive Orchards: Soil Management Implications for Water Saving in Soils of Salento Peninsula (Southern Italy). Agronomy, 2020, 10, 177.	3.0	12
22	Determining Soil Hydraulic Properties Using Infiltrometer Techniques: An Assessment of Temporal Variability in a Long-Term Experiment under Minimum- and No-Tillage Soil Management. Sustainability, 2020, 12, 5019.	3.2	11
23	Soil Hydrology for a Sustainable Land Management: Theory and Practice. Water (Switzerland), 2020, 12, 1109.	2.7	2
24	Detecting infiltrated water and preferential flow pathways through time-lapse ground-penetrating radar surveys. Science of the Total Environment, 2020, 726, 138511.	8.0	19
25	Assessment of the Physically-Based Hydrus-1D Model for Simulating the Water Fluxes of a Mediterranean Cropping System. Water (Switzerland), 2019, 11, 1657.	2.7	14
26	Spatial Variability of Soil Physical and Hydraulic Properties in a Durum Wheat Field: An Assessment by the BEST-Procedure. Water (Switzerland), 2019, 11, 1434.	2.7	25
27	Application of Multivariate Analysis Techniques for Selecting Soil Physical Quality Indicators: A Case Study in Longâ€Term Field Experiments in Apulia (Southern Italy). Soil Science Society of America Journal, 2019, 83, 707-720.	2.2	25
28	Effects of No-Tillage and Conventional Tillage on Physical and Hydraulic Properties of Fine Textured Soils under Winter Wheat. Water (Switzerland), 2019, 11, 484.	2.7	52
29	Experimental assessment of a new comprehensive model for single ring infiltration data. Journal of Hydrology, 2019, 573, 937-951.	5.4	29
30	Water footprint of winter wheat under climate change: Trends and uncertainties associated to the ensemble of crop models. Science of the Total Environment, 2019, 658, 1186-1208.	8.0	52
31	Recovery of Soil Hydraulic Properties for Assisted Passive and Active Restoration: Assessing Historical Land Use and Forest Structure. Water (Switzerland), 2019, 11, 86.	2.7	18
32	Pedotransfer functions for estimating soil water retention curve of Sicilian soils. Archives of Agronomy and Soil Science, 2019, 65, 1401-1416.	2.6	28
33	An assessment of the BEST procedure to estimate the soil water retention curve: A comparison with the evaporation method. Geoderma, 2018, 320, 82-94.	5.1	35
34	Soil Water Conservation: Dynamics and Impact. Water (Switzerland), 2018, 10, 952.	2.7	4
35	Application of EMI and FDR Sensors to Assess the Fraction of Transpirable Soil Water over an Olive Grove. Water (Switzerland), 2018, 10, 168.	2.7	17
36	Subsurface flow and large-scale lateral saturated soil hydraulic conductivity in a Mediterranean hillslope with contrasting land uses. Journal of Hydrology and Hydromechanics, 2017, 65, 297-306.	2.0	9

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37	Using Static and Dynamic Indicators to Evaluate Soil Physical Quality in a Sicilian Area. Land Degradation and Development, 2016, 27, 200-210.	3.9	52
38	Use of BEST Procedure to Assess Soil Physical Quality in the Baratz Lake Catchment (Sardinia, Italy). Soil Science Society of America Journal, 2016, 80, 742-755.	2.2	32
39	Effects of crop residue management on winter durum wheat productivity in a long term experiment in Southern Italy. European Journal of Agronomy, 2016, 77, 188-198.	4.1	39
40	Impact of biochar addition on the physical and hydraulic properties of a clay soil. Soil and Tillage Research, 2015, 154, 1-13.	5.6	160
41	Effects of maquis clearing on the properties of the soil and on the near-surface hydrological processes in a semi-arid Mediterranean environment. Journal of Agricultural Engineering, 2014, 45, 176.	1.5	16
42	A comparison between the single ring pressure infiltrometer and simplified falling head techniques. Hydrological Processes, 2014, 28, 4843-4853.	2.6	31
43	Soil hydraulic properties determined by infiltration experiments and different heights of water pouring. Geoderma, 2014, 213, 492-501.	5.1	46
44	Temporal changes of soil physical quality under two residue management systems. Soil Use and Management, 2014, 30, 423-434.	4.9	24
45	Simulating the hydrological response of a closed catchment-lake system to recent climate and land-use changes in semi-arid Mediterranean environment. Journal of Hydrology, 2014, 517, 732-745.	5.4	32
46	Comparing the Hydraulic Properties of Forested and Grassed Soils on an Experimental Hillslope in a Mediterranean Environment. Procedia Environmental Sciences, 2013, 19, 341-350.	1.4	16
47	Testing a Simplified Approach to Determine Field Saturated Soil Hydraulic Conductivity. Procedia Environmental Sciences, 2013, 19, 599-608.	1.4	16
48	Comparing physical quality of tilled and no-tilled soils in an almond orchard in southern Italy. Italian Journal of Agronomy, 2013, 8, 20.	1.0	20
49	Impact of conventional and minimum tillage on soil hydraulic conductivity in typical cropping system in Southern Italy. Soil and Tillage Research, 2012, 124, 47-56.	5.6	50
50	Application of DSSAT models for an agronomic adaptation strategy under climate change in Southern of Italy: optimum sowing and transplanting time for winter durum wheat and tomato. Italian Journal of Agronomy, 2012, 7, 16.	1.0	14
51	Climate change impact on crop rotations of winter durum wheat and tomato in southern Italy: yield analysis and soil fertility. Italian Journal of Agronomy, 2012, 7, 15.	1.0	15
52	Testing the concentric-disk tension infiltrometer for field measurement of soil hydraulic conductivity. Geoderma, 2010, 158, 427-435.	5.1	17
53	Comparison of unconfined and confined unsaturated hydraulic conductivity. Geoderma, 2007, 137, 394-400.	5.1	23
54	INFLUENCE OF THE PRESSURE HEAD SEQUENCE ON THE SOIL HYDRAULIC CONDUCTIVITY DETERMINED WITH TENSION INFILTROMETER. Applied Engineering in Agriculture, 2005, 21, 383-391.	0.7	38