Agata Novara

List of Publications by Year
in descending order

63 papers	3,963 citations	136950 32 h-index	118850 62 g-index
64 all docs	64 docs citations	64 times ranked	4389 citing authors

#	Article	IF	Citations
1	The superior effect of nature based solutions in land management for enhancing ecosystem services. Science of the Total Environment, 2018, 610-611, 997-1009.	8.0	606
2	Effects of soil management techniques on soil water erosion in apricot orchards. Science of the Total Environment, 2016, 551-552, 357-366.	8.0	341
3	The immediate effectiveness of barley straw mulch in reducing soil erodibility and surface runoff generation in Mediterranean vineyards. Science of the Total Environment, 2016, 547, 323-330.	8.0	324
4	Use of barley straw residues to avoid high erosion and runoff rates on persimmon plantations in Eastern Spain under low frequencyâ€"high magnitude simulated rainfall events. Soil Research, 2016, 54, 154.	1.1	174
5	Managing soil nitrate with cover crops and buffer strips in Sicilian vineyards. Solid Earth, 2013, 4, 255-262.	2.8	128
6	Longâ€Term Tillage and Cropping System Effects on Chemical and Biochemical Characteristics of Soil Organic Matter in a Mediterranean Semiarid Environment. Land Degradation and Development, 2015, 26, 45-53.	3.9	111
7	Nitrogen losses in vineyards under different types of soil groundcover. A field runoff simulator approach in central Spain. Agriculture, Ecosystems and Environment, 2017, 236, 256-267.	5.3	109
8	Agricultural land abandonment in Mediterranean environment provides ecosystem services via soil carbon sequestration. Science of the Total Environment, 2017, 576, 420-429.	8.0	107
9	Longâ€term cropping systems and tillage management effects on soil organic carbon stock and steady state level of C sequestration rates in a semiarid environment. Land Degradation and Development, 2012, 23, 82-91.	3.9	105
10	Cover crop management and water conservation in vineyard and olive orchards. Soil and Tillage Research, 2021, 208, 104896.	5.6	105
11	Long-term impact of rainfed agricultural land abandonment on soil erosion in the Western Mediterranean basin. Progress in Physical Geography, 2018, 42, 202-219.	3.2	99
12	Understanding the role of soil erosion on co 2 -c loss using 13 c isotopic signatures in abandoned Mediterranean agricultural land. Science of the Total Environment, 2016, 550, 330-336.	8.0	90
13	Litter contribution to soil organic carbon in the processes of agriculture abandon. Solid Earth, 2015, 6, 425-432.	2.8	81
14	Carbon input threshold for soil carbon budget optimization in eroding vineyards. Geoderma, 2016, 271, 144-149.	5.1	78
15	Real cover crops contribution to soil organic carbon sequestration in sloping vineyard. Science of the Total Environment, 2019, 652, 300-306.	8.0	77
16	The impact of soil erosion on soil fertility and vine vigor. A multidisciplinary approach based on field, laboratory and remote sensing approaches. Science of the Total Environment, 2018, 622-623, 474-480.	8.0	75
17	Paired-site approach for studying soil organic carbon dynamics in a Mediterranean semiarid environment. Catena, 2012, 89, 1-7.	5.0	62
18	Long-term organic farming on a citrus plantation results in soil organic carbon recovery. Cuadernos De Investigacion Geografica, 2019, 45, 271-286.	1.1	61

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19	Actual provision as an alternative criterion to improve the efficiency of payments for ecosystem services for C sequestration in semiarid vineyards. Agricultural Systems, 2016, 144, 58-64.	6.1	59
20	Dynamics of soil organic carbon pools after agricultural abandonment. Geoderma, 2014, 235-236, 191-198.	5.1	58
21	Soil Physical Quality of Citrus Orchards Under Tillage, Herbicide, and Organic Managements. Pedosphere, 2018, 28, 463-477.	4.0	58
22	Towards More Efficient Incentives for Agriâ€environment Measures in Degraded and Eroded Vineyards. Land Degradation and Development, 2015, 26, 557-564.	3.9	57
23	Shortâ€Term Vegetation Recovery after a Grassland Fire in Lithuania: The Effects of Fire Severity, Slope Position and Aspect. Land Degradation and Development, 2016, 27, 1523-1534.	3.9	57
24	The impact of fire on redistribution of soil organic matter on a mediterranean hillslope under maquia vegetation type. Land Degradation and Development, 2011, 22, 530-536.	3.9	56
25	Carbon dynamics of soil organic matter in bulk soil and aggregate fraction during secondary succession in a Mediterranean environment. Geoderma, 2013, 193-194, 213-221.	5.1	53
26	The role of soils in regulation and provision of blue and green water. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200175.	4.0	45
27	Impact of woody encroachment on soil organic carbon and nitrogen in abandoned agricultural lands along a rainfall gradient in Italy. Regional Environmental Change, 2011, 11, 917-924.	2.9	43
28	The Effect of Shallow Tillage on Soil Erosion in a Semi-Arid Vineyard. Agronomy, 2019, 9, 257.	3.0	42
29	Short-term low-severity spring grassland fire impacts on soil extractable elements and soil ratios in Lithuania. Science of the Total Environment, 2017, 578, 469-475.	8.0	41
30	Time Scale Effects and Interactions of Rainfall Erosivity and Cover Management Factors on Vineyard Soil Loss Erosion in the Semi-Arid Area of Southern Sicily. Water (Switzerland), 2019, 11, 978.	2.7	40
31	Soil carbon dynamics as affected by long-term contrasting cropping systems and tillages under semiarid Mediterranean climate. Applied Soil Ecology, 2014, 73, 140-147.	4.3	39
32	Tillage Versus No-Tillage. Soil Properties and Hydrology in an Organic Persimmon Farm in Eastern Iberian Peninsula. Water (Switzerland), 2020, 12, 1539.	2.7	39
33	Grassland fire effect on soil organic carbon reservoirs in a semiarid environment. Solid Earth, 2013, 4, 381-385.	2.8	37
34	Longâ€Term Durum Wheatâ€Based Cropping Systems Result in the Rapid Saturation of Soil Carbon in the Mediterranean Semiâ€arid Environment. Land Degradation and Development, 2016, 27, 612-619.	3.9	33
35	The impact of Carpobrotus cfr. acinaciformis (L.) L. Bolus on soil nutrients, microbial communities structure and native plant communities in Mediterranean ecosystems. Plant and Soil, 2016, 409, 19-34.	3.7	33
36	Effects of soil compaction, rain exposure and their interaction on soil carbon dioxide emission. Earth Surface Processes and Landforms, 2012, 37, 994-999.	2.5	32

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37	Turnover and availability of soil organic carbon under different <scp>M</scp>editerranean landâ€uses as estimated by <scp>¹³C</scp> natural abundance. European Journal of Soil Science, 2013, 64, 466-475.	3.9	31
38	Cover Crop Impact on Soil Organic Carbon, Nitrogen Dynamics and Microbial Diversity in a Mediterranean Semiarid Vineyard. Sustainability, 2020, 12, 3256.	3.2	30
39	Stakeholders' Perceptions about Fire Impacts on Lithuanian Protected Areas. Land Degradation and Development, 2016, 27, 871-883.	3.9	28
40	Sustainable vineyard floor management: An equilibrium between water consumption and soil conservation. Current Opinion in Environmental Science and Health, 2018, 5, 33-37.	4.1	28
41	Long-term monitoring of soil bulk density and erosion rates in two Prunus Persica (L) plantations under flood irrigation and glyphosate herbicide treatment in La Ribera district, Spain. Journal of Environmental Management, 2021, 282, 111965.	7.8	26
42	Rainfall and water yield in Macizo del Caroig, Eastern Iberian Peninsula. Event runoff at plot scale during a rare flash flood at the Barranco de Benacancil. Cuadernos De Investigacion Geografica, 2021, 47, 95-119.	1.1	26
43	Carbon stock increases up to old growth forest along a secondary succession in Mediterranean island ecosystems. PLoS ONE, 2019, 14, e0220194.	2.5	24
44	Effects of parent material on soil erosion within Mediterranean new vineyard plantations. Engineering Geology, 2018, 246, 255-261.	6.3	23
45	Long-term non-sustainable soil erosion rates and soil compaction in drip-irrigated citrus plantation in Eastern Iberian Peninsula. Science of the Total Environment, 2021, 787, 147549.	8.0	19
46	The Impact of the Age of Vines on Soil Hydraulic Conductivity in Vineyards in Eastern Spain. Water (Switzerland), 2018, 10, 14.	2.7	18
47	Soil Carbon Budget Account for the Sustainability Improvement of a Mediterranean Vineyard Area. Agronomy, 2020, 10, 336.	3.0	17
48	Root growth and soil carbon turnover in Opuntia ficus-indica as affected by soil volume availability. European Journal of Agronomy, 2019, 105, 104-110.	4.1	16
49	Examining the Effectiveness of Catch Crops as a Nature-Based Solution to Mitigate Surface Soil and Water Losses as an Environmental Regional Concern. Earth Systems and Environment, 2022, 6, 29-44.	6.2	15
50	No-till durum wheat yield success probability in semi arid climate: A methodological framework. Soil and Tillage Research, 2018, 181, 29-36.	5.6	14
51	Cover Crop and Pruning Residue Management to Reduce Nitrogen Mineral Fertilization in Mediterranean Vineyards. Agronomy, 2021, 11, 164.	3.0	12
52	From pedologic indications to archaeological reconstruction: deciphering land use in the Islamic period in the Baida district (north-western Sicily). Journal of Archaeological Science, 2013, 40, 2670-2685.	2.4	11
53	Effect of cactus pear cultivation after Mediterranean maquis on soil carbon stock, Î´13C spatial distribution and root turnover. Catena, 2014, 118, 84-90.	5.0	10
54	Relationship between recruitment and mother plant vitality in the alien species Acacia cyclops A. Cunn. ex G. Don. Forest Ecology and Management, 2014, 331, 237-244.	3.2	9

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55	Durum wheat yield uncertainty under different tillage management practices and climatic conditions. Soil and Tillage Research, 2019, 194, 104346.	5.6	9
56	No till soil organic carbon sequestration could be overestimated when slope effect is not considered. Science of the Total Environment, 2021, 757, 143758.	8.0	9
57	Soil organic carbon stocks under recommended management practices in different soils of semiarid vineyards. Land Degradation and Development, 2020, 31, 1906-1914.	3.9	8
58	Rethinking vineyard ground management to counter soil tillage erosion. Soil and Tillage Research, 2022, 217, 105275.	5.6	8
59	Straw uses trade-off only after soil organic carbon steady-state. Italian Journal of Agronomy, 0, , 216-220.	1.0	5
60	Aridity index, soil erosion and climate drive no-till ecosystem services trade-off in Mediterranean arable land. Catena, 2021, 203, 105350.	5.0	5
61	Effect of Standard Disk Plough on Soil Translocation in Sloping Sicilian Vineyards. Land, 2022, 11, 148.	2.9	2
62	Climate Smart Regenerative Agriculture to Produce Sustainable Beauty Products: The Case Study of Snail Secretion Filtrate (LX360Â®). Sustainability, 2022, 14, 2367.	3.2	2
63	Afforestation and Reforestation: The Sicilian Case Study. Environmental Science and Engineering, 2015, , 173-184.	0.2	1