Edoardo A C Costantini

List of Publications by Year
in descending order

60	1,529	236925 25	345221 36
papers	citations	h-index	g-index

67	67	67	2113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soil quality and health key indicators. , 2023, , 181-192.		1
2	Soil health, soil genetic horizons and biodiversity[#]. Journal of Plant Nutrition and Soil Science, 2022, 185, 24-34.	1.9	16
3	Soil Physical-Hydrological Degradation in the Root-Zone of Tree Crops: Problems and Solutions. Agronomy, 2021, 11, 68.	3.0	10
4	Considering Cloddiness When Estimating Rooting Capacity and Soil Fertility. Biology and Life Sciences Forum, 2021, 3, 29.	0.6	0
5	How to improve the adoption of soil conservation practices? Suggestions from farmers' perception in western Sicily. Journal of Rural Studies, 2020, 73, 186-202.	4.7	19
6	Combined forest and soil management after a catastrophic event. Journal of Mountain Science, 2020, 17, 2459-2484.	2.0	4
7	Local adaptation strategies to increase or maintain soil organic carbon content under arable farming in Europe: Inspirational ideas for setting operational groups within the European innovation partnership. Journal of Rural Studies, 2020, 79, 102-115.	4.7	19
8	Scale effect of terroir under three contrasting vintages in the Chianti Classico area (Tuscany, Italy). Geoderma, 2019, 334, 99-112.	5.1	33
9	Estimation of andic properties from Vis-NIR diffuse reflectance spectroscopy for volcanic soil classification. Catena, 2019, 182, 104109.	5.0	12
10	Local topographic and edaphic factors largely predict shrub encroachment in Mediterranean drylands. Science of the Total Environment, 2019, 657, 310-318.	8.0	17
11	Loess in Italy: Genesis, characteristics and occurrence. Catena, 2018, 168, 14-33.	5.0	44
12	From vine to wine: Data on 87Sr/86Sr from rocks and soils as a geologic and pedologic characterisation of vineyards. Data in Brief, 2018, 18, 731-735.	1.0	6
13	Tracing the 87Sr/86Sr from rocks and soils to vine and wine: An experimental study on geologic and pedologic characterisation of vineyards using radiogenic isotope of heavy elements. Science of the Total Environment, 2018, 628-629, 1317-1327.	8.0	25
14	Paleosols and pedostratigraphy. Applied Soil Ecology, 2018, 123, 597-600.	4.3	13
15	Scale effect of viticultural zoning under three contrasting vintages in Chianti Classico area (Tuscany, Italy). E3S Web of Conferences, 2018, 50, 02012.	0.5	1
16	Effects of soil erosion on agro-ecosystem services and soil functions: A multidisciplinary study in nineteen organically farmed European and Turkish vineyards. Journal of Environmental Management, 2018, 223, 614-624.	7.8	39
17	Using present and past climosequences to estimate soil organic carbon and related physical quality indicators under future climatic conditions. Agriculture, Ecosystems and Environment, 2018, 266, 17-30.	5.3	5
18	Soil indicators to assess the effectiveness of restoration strategies in dryland ecosystems. Solid Earth, 2016, 7, 397-414.	2.8	105

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19	Fieldâ€Scale Mapping of Soil Carbon Stock with Limited Sampling by Coupling Gammaâ€Ray and Visâ€NIR Spectroscopy. Soil Science Society of America Journal, 2016, 80, 954-964.	2.2	30
20	A multivariate approach for the study of environmental drivers of wine economic structure. Land Use Policy, 2016, 57, 53-63.	5.6	28
21	Ecological restoration across the Mediterranean Basin as viewed by practitioners. Science of the Total Environment, 2016, 566-567, 722-732.	8.0	51
22	Physiography of the Sicilian region (1:250,000 scale). Journal of Maps, 2016, 12, 111-122.	2.0	4
23	Beyond the concept of dominant soil: Preserving pedodiversity in upscaling soil maps. Geoderma, 2016, 271, 243-253.	5.1	27
24	Pedogenesis in mine tails affects macroporosity, hydrological properties, and pollutant flow. Catena, 2016, 136, 3-16.	5.0	26
25	Short-term recovery of soil physical, chemical, micro- and mesobiological functions in a new vineyard under organic farming. Soil, 2015, 1, 443-457.	4.9	44
26	An overview of the recent approaches to terroir functional modelling, footprinting and zoning. Soil, 2015, 1, 287-312.	4.9	82
27	Soil erosion risk, Sicilian Region (1:250,000 scale). Journal of Maps, 2015, 11, 323-341.	2.0	17
28	Rates of soil forming processes and the role of aeolian influx. Quaternary International, 2015, 376, 1-4.	1.5	4
29	Comparing data mining and deterministic pedology to assess the frequency of WRB reference soil groups in the legend of small scale maps. Geoderma, 2015, 237-238, 237-245.	5.1	30
30	More Crop for Drop â€“ Climate Change and Wine: An Economic Evaluation of a New Drought-Resistant Rootstock. Recent Patents on Food, Nutrition & Agriculture, 2015, 6, 100-112.	0.9	7
31	Natural terroir units, Siena province, Tuscany. Journal of Maps, 2014, 10, 466-477.	2.0	23
32	Can Î³-radiometrics predict soil textural data and stoniness in different parent materials? A comparison of two machine-learning methods. Geoderma, 2014, 226-227, 354-364.	5.1	54
33	Climate and Pedoclimate of Italy. World Soils Book Series, 2013, , 19-37.	0.2	27
34	Time as a Soil Forming Factor and Age of Italian Soils. World Soils Book Series, 2013, , 93-104.	0.2	2
35	Pedodiversity. World Soils Book Series, 2013, , 105-178.	0.2	22
36	The use of the ARPÂ© system to reduce the costs of soil survey for precision viticulture. Journal of Applied Geophysics, 2013, 99, 24-34.	2.1	18

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37	Soil degradation processes in the Italian agricultural and forest ecosystems. Italian Journal of Agronomy, 2013, 8, 28.	1.0	25
38	Improving Wine Quality through Harvest Zoning and Combined Use of Remote and Soil Proximal Sensing. Soil Science Society of America Journal, 2013, 77, 1338-1348.	2.2	56
39	Using the ARP-03 for high-resolution mapping of calcic horizons. International Agrophysics, 2013, 27, 313-321.	1.7	16
40	Quaternary landscape history determines the soil functional characters of terroir. Quaternary International, 2012, 265, 63-73.	1.5	28
41	Soil Water Availability in Rainfed Cultivation Affects More than Cultivar Some Nutraceutical Components and the Sensory Profile of Virgin Olive Oil. Journal of Agricultural and Food Chemistry, 2011, 59, 8304-8313.	5.2	19
42	The influence of climate change on the soil organic carbon content in Italy from 1961 to 2008. Geomorphology, 2011, 135, 343-352.	2.6	80
43	Mapping suitability for Sangiovese wine by means of Î´13C and geophysical sensors in soils with moderate salinity. European Journal of Agronomy, 2010, 33, 208-217.	4.1	32
44	Relevance of the Lin's and Host hydropedological models to predict grape yield and wine quality. Hydrology and Earth System Sciences, 2009, 13, 1635-1648.	4.9	17
45	Rationale and methods for compiling an atlas of desertification in Italy. Land Degradation and Development, 2009, 20, 261-276.	3.9	63
46	Accounting for extensive topographic and pedologic secondary information to improve soil mapping. Catena, 2009, 77, 28-38.	5.0	36
47	Multidisciplinary characterization of the middle Holocene eolian deposits of the Elsa River basin (central Italy). Quaternary International, 2009, 209, 107-130.	1.5	24
48	The soil cultural heritage of Italy: Geodatabase, maps, and pedodiversity evaluation. Quaternary International, 2009, 209, 142-153.	1.5	29
49	Olive Tree (Olea europea L.). , 2009, , .		2
50	Environmental and visual impact analysis of viticulture and olive tree cultivation in the province of Siena (Italy). European Journal of Agronomy, 2008, 28, 412-426.	4.1	41
51	Focus Issue: Imprint of Environmental Change on Paleosols (J. Plant Nutr. Soil Sci. 4/2008). Journal of Plant Nutrition and Soil Science, 2008, 171, 482-482.	1.9	1
52	Pedostratigraphy of Terra Rossa and Quaternary geological evolution of a lacustrine limestone plateau in central Italy. Journal of Plant Nutrition and Soil Science, 2008, 171, 509-523.	1.9	31
53	Soil, vine and other quality cultures: â€œterroirâ€•and â€œzonazioneâ€•concepts introduction and practice. Italian Journal of Agronomy, 2008, 3, 23.	1.0	9
54	Using existing soil databases to consider paleosols in land planning: Case study of the Lombardy region (northern Italy). Quaternary International, 2007, 162-163, 166-171.	1.5	8

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55	Adding information about soils and paleosols to geological maps, through the application of the â€œpedostratigraphic levelâ€•concept. Quaternary International, 2007, 175, 125-139.	1.5	7
56	Pedogenesis of plinthite during early Pliocene in the Mediterranean environment. Catena, 2007, 71, 425-443.	5.0	36
57	Micromorphological characterization and monitoring of internal drainage in soils of vineyards and olive groves in central Italy. Geoderma, 2006, 131, 388-403.	5.1	28
58	Using the analysis of iron and iron oxides in paleosols (TEM, geochemistry and iron forms) for the assessment of present and past pedogenesis. Quaternary International, 2006, 156-157, 200-211.	1.5	29
59	Using pedostratigraphic levels and a GIS to generate three-dimensional maps of the Quaternary soil cover and reconstruct the geomorphological development of the Montagnola Senese (central Italy). Quaternary International, 2006, 156-157, 167-175.	1.5	8
60	Assessing Soil Moisture Regimes with Traditional and New Methods. Soil Science Society of America Journal, 2002, 66, 1889-1896.	2.2	21