

Giacomo Certini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11495027/publications.pdf>

Version: 2024-02-01

75
papers

4,613
citations

186265

28
h-index

102487

66
g-index

76
all docs

76
docs citations

76
times ranked

5565
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of fire on properties of forest soils: a review. <i>Oecologia</i> , 2005, 143, 1-10.	2.0	2,058
2	The impact of heavy traffic on forest soils: A review. <i>Forest Ecology and Management</i> , 2015, 338, 124-138.	3.2	336
3	Anthropogenic soils are the golden spikes for the Anthropocene. <i>Holocene</i> , 2011, 21, 1269-1274.	1.7	165
4	Cyanobacteria Inoculation Improves Soil Stability and Fertility on Different Textured Soils: Gaining Insights for Applicability in Soil Restoration. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	159
5	Wildfire effects on soil organic matter quantity and quality in two fire-prone Mediterranean pine forests. <i>Geoderma</i> , 2011, 167-168, 148-155.	5.1	115
6	Rock fragments in soil support a different microbial community from the fine earth. <i>Soil Biology and Biochemistry</i> , 2004, 36, 1119-1128.	8.8	111
7	Nature and reactivity of charcoal produced and added to soil during wildfire are particle-size dependent. <i>Organic Geochemistry</i> , 2010, 41, 682-689.	1.8	108
8	The impact of fire on soil-dwelling biota: A review. <i>Forest Ecology and Management</i> , 2021, 488, 118989.	3.2	91
9	The impact of warfare on the soil environment. <i>Earth-Science Reviews</i> , 2013, 127, 1-15.	9.1	88
10	Machinery-induced soil compaction in thinning two pine stands in central Italy. <i>Forest Ecology and Management</i> , 2012, 285, 38-43.	3.2	86
11	Environmental impact assessment of different logging methods in pine forests thinning. <i>Ecological Engineering</i> , 2014, 70, 429-436.	3.6	78
12	Fire as a Soil-Forming Factor. <i>Ambio</i> , 2014, 43, 191-195.	5.5	62
13	Direct Determination of Organic Carbon by Dry Combustion in Soils with Carbonates. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 155-162.	1.4	61
14	Structural characterization of charcoal size-fractions from a burnt <i>Pinus pinea</i> forest by FT-IR, Raman and surface-enhanced Raman spectroscopies. <i>Journal of Molecular Structure</i> , 2011, 994, 155-162.	3.6	59
15	Temperature response of soil organic matter mineralisation in arctic soil profiles. <i>Soil Biology and Biochemistry</i> , 2015, 88, 236-246.	8.8	43
16	Abundance and composition of free and aggregate-occluded carbohydrates and lignin in two forest soils as affected by wildfires of different severity. <i>Geoderma</i> , 2015, 245-246, 40-51.	5.1	41
17	Pedogenesis in the sorted patterned ground of Devon Plateau, Devon Island, Nunavut, Canada. <i>Geoderma</i> , 2006, 136, 87-106.	5.1	39
18	Exchangeable Ca, Mg, and K of rock fragments and fine earth from sandstone and siltstone derived soils and their availability to grass. <i>Journal of Plant Nutrition and Soil Science</i> , 2001, 164, 309-315.	1.9	36

#	ARTICLE	IF	CITATIONS
19	Carbon dioxide efflux and concentrations in two soils under temperate forests. <i>Biology and Fertility of Soils</i> , 2003, 37, 39-46.	4.3	36
20	Charcoal mineralisation potential of microbial inocula from burned and unburned forest soil with and without substrate addition. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1472-1478.	8.8	36
21	Relic charcoal hearth soils: A neglected carbon reservoir. Case study at Marsiliana forest, Central Italy. <i>Geoderma</i> , 2018, 315, 88-95.	5.1	36
22	Spectral fingerprinting of soil organic matter composition. <i>Organic Geochemistry</i> , 2012, 46, 127-136.	1.8	34
23	Cyanobacteria inoculation as a potential tool for stabilization of burned soils. <i>Restoration Ecology</i> , 2020, 28, S106.	2.9	34
24	Application of thermal and spectroscopic techniques to assess fire-induced changes to soil organic matter in a Mediterranean forest. <i>Journal of Geochemical Exploration</i> , 2014, 143, 174-182.	3.2	33
25	Early stages of podzolization under Corsican pine (<i>Pinus nigra</i> Arn. ssp. <i>laricio</i>). <i>Geoderma</i> , 1998, 83, 103-125.	5.1	32
26	CP MAS 13C spectral editing and relative quantitation of a soil sample. <i>Solid State Nuclear Magnetic Resonance</i> , 2006, 30, 81-88.	2.3	31
27	The role of soil in storing carbon in tropical rainforests: the case of Ankasa Park, Ghana. <i>Plant and Soil</i> , 2010, 331, 453-461.	3.7	31
28	Vertical trends of oxalate concentration in two soils under <i>Abies alba</i> from Tuscany (Italy). <i>Journal of Plant Nutrition and Soil Science</i> , 2000, 163, 173-177.	1.9	30
29	Charcoal and stable soil organic matter as indicators of fire frequency, climate and past vegetation in volcanic soils of Mt. Etna, Sicily. <i>Catena</i> , 2012, 88, 14-26.	5.0	30
30	Pedogenesis induced by <i>Genista aetnensis</i> (Biv.) DC. on basaltic pyroclastic deposits at different altitudes, Mt. Etna, Italy. <i>Geoderma</i> , 2003, 115, 223-243.	5.1	28
31	The contrasting effect of broom and pine on pedogenic processes in volcanic soils (Mt. Etna, Italy). <i>Geoderma</i> , 2001, 102, 239-254.	5.1	27
32	An updated, expanded, universal definition of soil. <i>Geoderma</i> , 2013, 192, 378-379.	5.1	27
33	Soil Organic Matter Quality under Different Land Uses in a Mountain Watershed of Nepal. <i>Soil Science Society of America Journal</i> , 2008, 72, 1563-1569.	2.2	25
34	Does the preferential microbial colonisation of ferromagnesian minerals affect mineral weathering in soil?. <i>Die Naturwissenschaften</i> , 2008, 95, 851-858.	1.6	22
35	Soil pyrogenic organic matter characterisation by spectroscopic analysis: a study on combustion and pyrolysis residues. <i>Journal of Soils and Sediments</i> , 2015, 15, 769-780.	3.0	20
36	Size fractionation as a tool for separating charcoal of different fuel source and recalcitrance in the wildfire ash layer. <i>Science of the Total Environment</i> , 2017, 595, 461-471.	8.0	20

#	ARTICLE	IF	CITATIONS
37	Soil organic matter molecular composition and state of decomposition in three locations of the European Arctic. <i>Biogeochemistry</i> , 2017, 135, 277-292.	3.5	19
38	Segregated Ice and Liquefaction Effects on Compaction of Fragipans. <i>Soil Science Society of America Journal</i> , 2004, 68, 204-214.	2.2	18
39	Weathering of sandstone clasts in a forest soil in Tuscany (Italy). <i>Geoderma</i> , 2003, 116, 357-372.	5.1	17
40	Soil is brown gold in the Emilia-Romagna region, Italy. <i>Land Use Policy</i> , 2014, 39, 350-357.	5.6	17
41	Litter decomposition: Little evidence of the "home-field advantage" in a mountain forest in Italy. <i>Soil Biology and Biochemistry</i> , 2021, 159, 108300.	8.8	17
42	Disambiguating the soils of Mars. <i>Planetary and Space Science</i> , 2020, 186, 104922.	1.7	16
43	Composition and mean residence time of molecular weight fractions of organic matter extracted from two soils under different forest species. <i>Biogeochemistry</i> , 2004, 71, 299-316.	3.5	15
44	The umbric epipedon in the N Apennines, Italy—an example from the Vallombrosa Forest. <i>Journal of Plant Nutrition and Soil Science</i> , 2005, 168, 392-398.	1.9	15
45	Immediate- and Short-term Wildfire Impact on Soil Microbial Diversity and Activity in a Mediterranean Forest Soil. <i>Soil Science</i> , 2019, 184, 35-42.	0.9	15
46	Clues to the genesis of a discontinuously distributed fragipan in the northern Apennines, Italy. <i>Catena</i> , 2007, 69, 161-169.	5.0	14
47	Holocene as Anthropocene. <i>Science</i> , 2015, 349, 246-246.	12.6	14
48	Spectroscopic properties of bulk and dichromate oxidation resistant soil organic matter from an anthroposequence in a Mediterranean environment. <i>Plant and Soil</i> , 2007, 291, 55-65.	3.7	13
49	The response of glomalin-related soil proteins to fire or tillage. <i>Geoderma</i> , 2018, 329, 65-72.	5.1	13
50	Effects of fire on soil organic matter quality along an altitudinal sequence on Mt. Etna, Sicily. <i>Catena</i> , 2013, 110, 133-145.	5.0	12
51	Physical protection of organic matter in minesoils assessed by low-temperature ashing (LTA). <i>Geoderma</i> , 2017, 288, 120-129.	5.1	12
52	Fire frequency and type regulate the response of soil carbon cycling and storage to fire across soil depths and ecosystems: A meta-analysis. <i>Science of the Total Environment</i> , 2022, 825, 153921.	8.0	12
53	Influence of soil properties on the mortality of silver fir in Tuscany, Italy. <i>European Journal of Forest Research</i> , 2000, 119, 323-331.	0.3	11
54	Fire and Tillage as Degrading Factors of Soil Structure in Northern Zagros Oak Forest, West Iran. <i>Land Degradation and Development</i> , 2017, 28, 1068-1077.	3.9	11

#	ARTICLE	IF	CITATIONS
55	Machinery's impact on forest soil porosity. <i>Journal of Terramechanics</i> , 2020, 91, 65-71.	3.1	10
56	The impact of wildland fires on calcareous Mediterranean pedosystems (Sardinia, Italy) – An integrated multiple approach. <i>Science of the Total Environment</i> , 2018, 624, 1152-1162.	8.0	9
57	Is the Anthropocene really worthy of a formal geologic definition?. <i>Infrastructure Asset Management</i> , 2015, 2, 77-80.	1.6	7
58	Do soils exist outside Earth?. <i>Planetary and Space Science</i> , 2010, 58, 1767-1770.	1.7	6
59	Radiocarbon based assessment of soil organic matter contribution to soil respiration in a pine stand of the Campine region, Belgium. <i>Plant and Soil</i> , 2011, 344, 273-282.	3.7	6
60	Soil carbon dynamics in a Mediterranean forest during the Kyoto Protocol commitment periods. <i>Regional Environmental Change</i> , 2011, 11, 371-376.	2.9	6
61	Composition and turnover time of organic matter in soil fractions with different magnetic susceptibility. <i>Geoderma</i> , 2019, 349, 88-96.	5.1	6
62	Mixed-Species Plantation Effects on Soil Biological and Chemical Quality and Tree Growth of a Former Agricultural Land. <i>Forests</i> , 2021, 12, 842.	2.1	6
63	Tree Species Composition in Mixed Plantations Influences Plant Growth, Intrinsic Water Use Efficiency and Soil Carbon Stock. <i>Forests</i> , 2021, 12, 1251.	2.1	5
64	The State Factor theory of soil formation. , 2006, , 103-112.		4
65	Soil formation on Earth and beyond: the role of additional soil-forming factors. , 2006, , 193-210.		3
66	Fog collection as a strategy to sequester carbon in drylands. <i>Science of the Total Environment</i> , 2019, 657, 391-400.	8.0	3
67	Soil is the best testifier of the diachronous dawn of the Anthropocene. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 183-186.	1.9	3
68	Viewpoint. Charcoal hearth soils should be better accounted for by the WRB and the Soil Taxonomy. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 633-636.	1.9	3
69	Radiocarbon-Based Assessment of Heterotrophic Soil Respiration in Two Mediterranean Forests. <i>Ecosystems</i> , 2016, 19, 62-72.	3.4	2
70	Fire regime and ecosystem responses: adaptive forest management in a changing world (Part 2). <i>International Journal of Wildland Fire</i> , 2019, 28, 471.	2.4	2
71	Fire regime and ecosystem responses: adaptive forest management in a changing world (Part 1). <i>International Journal of Wildland Fire</i> , 2019, 28, 327.	2.4	2
72	Sorted Patterned Ground. , 2014, , 1-9.		1

#	ARTICLE	IF	CITATIONS
73	Patterned Ground. , 2014, , 1-7.		0
74	Sorted Patterned Ground. , 2015, , 2019-2025.		0
75	Patterned Ground. , 2015, , 1524-1529.		0