

Alberto Agnelli

List of Publications by Year in descending order

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73
papers

2,158
citations

218677

26
h-index

254184

43
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75
all docs

75
docs citations

75
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution of microbial communities in a forest soil profile investigated by microbial biomass, soil respiration and DGGE of total and extracellular DNA. <i>Soil Biology and Biochemistry</i> , 2004, 36, 859-868.	8.8	272
2	Properties, best management practices and conservation of terraced soils in Southern Europe (from) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.8	130
3	Alternate Wetting and Drying of Rice Reduced CH ₄ Emissions but Triggered N ₂ O Peaks in a Clayey Soil of Central Italy. <i>Pedosphere</i> , 2016, 26, 533-548.	4.0	91
4	Soil organic matter content and composition as influenced by soil management in a semi-arid Mediterranean agro-silvo-pastoral system. <i>Agriculture, Ecosystems and Environment</i> , 2013, 167, 1-11.	5.3	88
5	MINERALOGICAL, PHYSICAL, AND CHEMICAL PROPERTIES OF ROCK FRAGMENTS IN SOIL. <i>Soil Science</i> , 1996, 161, 521-542.	0.9	81
6	Sequential extraction and genetic fingerprinting of a forest soil metagenome. <i>Applied Soil Ecology</i> , 2009, 42, 176-181.	4.3	74
7	Rhizosphere effect of three plant species of environment under periglacial conditions (Majella Massif,) Tj ETQq1 1 0,784314 rgBT /Over	8.8	69
8	The soil skeleton, a forgotten pool of carbon and nitrogen in soil. <i>European Journal of Soil Science</i> , 2002, 53, 283-298.	3.9	67
9	Classing the Soil Skeleton (Greater than Two Millimeters): Proposed Approach and Procedure. <i>Soil Science Society of America Journal</i> , 1998, 62, 1620-1629.	2.2	65
10	Influence of exogenous organic matter on prokaryotic and eukaryotic microbiota in an agricultural soil. A multidisciplinary approach. <i>Soil Biology and Biochemistry</i> , 2015, 82, 9-20.	8.8	60
11	Carbon and nitrogen in soil and vine roots in harrowed and grass-covered vineyards. <i>Agriculture, Ecosystems and Environment</i> , 2014, 193, 70-82.	5.3	52
12	Altitude affects the quality of the water-extractable organic matter (WEOM) from rhizosphere and bulk soil in European beech forests. <i>Geoderma</i> , 2017, 302, 6-13.	5.1	43
13	Effect of beech (<i>Fagus sylvatica</i> L.) rhizosphere on phosphorous availability in soils at different altitudes (Central Italy). <i>Geoderma</i> , 2016, 276, 53-63.	5.1	42
14	Long Term Amendment with Fresh and Composted Solid Olive Mill Waste on Olive Grove Affects Carbon Sequestration by Prunings, Fruits, and Soil. <i>Frontiers in Plant Science</i> , 2016, 7, 2042.	3.6	41
15	Characterizing cultivable soil microbial communities from copper fungicide-amended olive orchard and vineyard soils. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 309-318.	3.6	38
16	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
17	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
18	Experimental discrimination and molecular characterization of the extracellular soil DNA fraction. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 653-657.	1.7	35

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19	Microbial biomass-C and basal respiration of fine earth and highly altered rock fragments of two forest soils. <i>Soil Biology and Biochemistry</i> , 2001, 33, 613-620.	8.8	34
20	The dynamics of organic matter in rock fragments in soil investigated by ^{14}C dating and measurements of ^{13}C . <i>European Journal of Soil Science</i> , 2002, 53, 147-159.	3.9	34
21	Impact of plant species evenness, dominant species identity and spatial arrangement on the structure and functioning of soil microbial communities in a model grassland. <i>Oecologia</i> , 2015, 177, 747-759.	2.0	34
22	Purification and isotopic signatures ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$, $\delta^{14}\text{C}$) of soil extracellular DNA. <i>Biology and Fertility of Soils</i> , 2007, 44, 353-361.	4.3	33
23	CHEMICAL AND SPECTROSCOPIC CHARACTERIZATION OF THE HUMIC SUBSTANCES FROM SANDSTONE-DERIVED ROCK FRAGMENTS. <i>Soil Science</i> , 2000, 165, 314-327.	0.9	33
24	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
25	Changes induced by the roots of <i>Erica arborea</i> L. to create a suitable environment in a soil developed from alkaline and fine-textured marine sediments. <i>Plant and Soil</i> , 2013, 368, 297-313.	3.7	30
26	Effects of cultivation on chemical and biochemical properties of dryland soils from southern Tunisia. <i>Agriculture, Ecosystems and Environment</i> , 2015, 199, 249-260.	5.3	30
27	Holm oak (<i>Quercus ilex</i> L.) rhizosphere affects limestone-derived soil under a multi-centennial forest. <i>Plant and Soil</i> , 2016, 400, 297-314.	3.7	26
28	Soil affects throughfall and stemflow under Turkey oak (<i>Quercus cerris</i> L.). <i>Geoderma</i> , 2019, 333, 43-56.	5.1	26
29	Altitude and Vegetation Affect Soil Organic Carbon, Basal Respiration and Microbial Biomass in Apennine Forest Soils. <i>Forests</i> , 2020, 11, 710.	2.1	26
30	Small altitudinal change and rhizosphere affect the SOM light fractions but not the heavy fraction in European beech forest soil. <i>Catena</i> , 2019, 181, 104091.	5.0	25
31	Microplastics alter behavioural responses of an insect herbivore to a plant-soil system. <i>Science of the Total Environment</i> , 2021, 787, 147716.	8.0	24
32	Release of Al by hydroxy-interlayered vermiculite and hydroxy-interlayered smectite during determination of cation exchange capacity in fine earth and rock fragments fractions. <i>European Journal of Soil Science</i> , 1997, 48, 249-262.	3.9	23
33	Non-saturated soil organic horizon characterization via advanced proximal sensors. <i>Geoderma</i> , 2017, 288, 130-142.	5.1	23
34	Influence of Altitude on Biochemical Properties of European Beech (<i>Fagus sylvatica</i> L.) Forest Soils. <i>Forests</i> , 2017, 8, 213.	2.1	22
35	Changes of topsoil under <i>Fagus sylvatica</i> along a small latitudinal-altitudinal gradient. <i>Geoderma</i> , 2019, 344, 164-178.	5.1	22
36	Snow vole (<i>Chionomys nivalis</i> Martins) affects the redistribution of soil organic matter and hormone-like activity in the alpine ecosystem: ecological implications. <i>Ecology and Evolution</i> , 2015, 5, 4542-4554.	1.9	19

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37	Rock fragments evolution and nutrients release in vineyard soils developed on a thinly layered limestone (Tuscany, Italy). <i>Geoderma</i> , 2009, 148, 375-383.	5.1	18
38	THE CHANGES WITH DEPTH OF HUMIC AND FULVIC ACIDS EXTRACTED FROM THE FINE EARTH AND ROCK FRAGMENTS OF A FOREST SOIL. <i>Soil Science</i> , 2002, 167, 524-538.	0.9	17
39	A modified Kjeldahl procedure for determining strongly fixed NH ₄ + -N. <i>European Journal of Soil Science</i> , 1999, 50, 523-534.	3.9	16
40	Pesticide adsorption and degradation in fine earth and rock fragments of two soils of different origin. <i>Geoderma</i> , 2010, 154, 348-352.	5.1	16
41	Soil formation in kettle holes from high altitudes in central Apennines, Italy. <i>Geoderma</i> , 2012, 170, 280-294.	5.1	16
42	Organic carbon pools and storage in the soil of olive groves of different age. <i>European Journal of Soil Science</i> , 2018, 69, 843-855.	3.9	16
43	Soil functions are affected by transition from conventional to organic mulch-based cropping system. <i>Applied Soil Ecology</i> , 2020, 153, 103639.	4.3	16
44	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
45	Italian Soil Management from Antiquity to Nowadays. <i>World Soils Book Series</i> , 2013, , 247-293.	0.2	15
46	Soil genesis and evolution on calanchi (badland-like landform) of central Italy. <i>Geomorphology</i> , 2015, 248, 33-46.	2.6	14
47	The soil skeleton as a tool for disentangling pedogenetic history: a case study in Tuscany, central Italy. <i>Quaternary International</i> , 2001, 78, 33-44.	1.5	13
48	Features of some paleosols on the flanks of Etna volcano (Italy) and their origin. <i>Geoderma</i> , 2007, 142, 112-126.	5.1	12
49	Organic matter stabilization in soil aggregates and rock fragments as revealed by low-temperature ashing (LTA) oxidation. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1379-1389.	8.8	10
50	Soil Organic Matter Characteristics in Sporadic Permafrost-affected Environment (Creux du Van,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2</i>	1.1	10
51	Geese Reared in Vineyard: Soil, Grass and Animals Interaction. <i>Animals</i> , 2019, 9, 179.	2.3	10
52	Using Sentinel-2 for Simplifying Soil Sampling and Mapping: Two Case Studies in Umbria, Italy. <i>Remote Sensing</i> , 2021, 13, 3379.	4.0	10
53	Mineral weathering and lessivage affect microbial community and enzyme activity in mountain soils. <i>Applied Soil Ecology</i> , 2021, 167, 104024.	4.3	9
54	Impact of biological crusts on soil formation in polar ecosystems. <i>Geoderma</i> , 2021, 401, 115340.	5.1	9

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55	Characteristics of rhizosphere soil from natural and agricultural environments. , 2005, , 57-128.		9
56	Chemical and Biochemical Properties of Soils Developed from Different Lithologies in Northwestern Spain (Galicia). <i>Forests</i> , 2017, 8, 135.	2.1	8
57	Effect of coppice conversion into high forest on soil organic C and nutrients stock in a Turkey oak (<i>Quercus cerris</i> L.) forest in Italy. <i>Journal of Environmental Management</i> , 2022, 312, 114935.	7.8	8
58	From rainfall to throughfall in a maritime vineyard. <i>Science of the Total Environment</i> , 2012, 438, 174-188.	8.0	7
59	Impact of Na-selenite fertilization on the microbial biomass and enzymes of a soil under corn (<i>Zea</i>) Tj ETQq1 1 0.784314 rgBT /Overlook	5.1	7
60	Soil organic carbon stock assessment in forest ecosystems through pedogenic horizons and fixed depth layers sampling: What's the best one?. <i>Land Degradation and Development</i> , 2022, 33, 1446-1458.	3.9	7
61	Modern and ancient pedogenesis as revealed by Holocene fire - Northern Apennines, Italy. <i>Quaternary International</i> , 2018, 467, 264-276.	1.5	6
62	Exploring the links between bacterial communities and magnetic susceptibility in bulk soil and rhizosphere of beech (<i>Fagus sylvatica</i> L.). <i>Applied Soil Ecology</i> , 2019, 138, 69-79.	4.3	6
63	Assessing geomorphological and pedological processes in the genesis of pre-desert soils from southern Tunisia. <i>Catena</i> , 2020, 187, 104290.	5.0	6
64	Genesis and Role of the Skeleton Water-Extractable Fines in Volcanic Soils. <i>Soil Science Society of America Journal</i> , 2011, 75, 1019-1031.	2.2	5
65	Features of skeleton water-extractable fines from different acidic soils. <i>Geoderma</i> , 2017, 289, 82-96.	5.1	5
66	Data on soil physicochemical properties and biodiversity from conventional, organic and organic mulch-based cropping systems.. <i>Data in Brief</i> , 2020, 31, 105718.	1.0	5
67	Multi-approach characterization of organic sediment produced by an anaerobic digestion plant fed with pig slurry and stored for a long term in a lagoon. <i>Journal of Hazardous Materials</i> , 2017, 330, 29-35.	12.4	4
68	Fungal and Bacterial Diversity in the Tuber magnatum Ecosystem and Microbiome. <i>Microbial Ecology</i> , 2022, , 1.	2.8	4
69	Changes in the Composition of Soil Dissolved Organic Matter After Application of Poultry Manure. , 2013, , 451-454.		3
70	Latitudinal transect relationship between soil organic horizons and permafrost depth in Alaska. <i>Applied Soil Ecology</i> , 2018, 123, 588-596.	4.3	2
71	Influence of Soil Factors on Escalation Infection in a Vineyard Soil on Pliocene Deposits. <i>Communications in Soil Science and Plant Analysis</i> , 2007, 38, 661-678.	1.4	1
72	Effect of microplastics and watering regimes on a plant-soil system: Data on behavioural responses of an insect herbivore. <i>Data in Brief</i> , 2021, 38, 107297.	1.0	1

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73	Data on soil physicochemical properties and chemical composition of rainfall and of throughfall and stemflow generated by Turkey oak trees (<i>Quercus cerris</i> L.) in acid and sub-alkaline soils. <i>Data in Brief</i> , 2018, 20, 954-956.	1.0	0