

Adele Muscolo

List of Publications by Year in descending order

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103
papers

5,247
citations

94433

37
h-index

91884

69
g-index

111
all docs

111
docs citations

111
times ranked

4842
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological effects of humic substances on higher plants. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1527-1536.	8.8	728
2	A review of the roles of forest canopy gaps. <i>Journal of Forestry Research</i> , 2014, 25, 725-736.	3.6	244
3	Alfalfa plant-derived biostimulant stimulate short-term growth of salt stressed <i>Zea mays</i> L. plants. <i>Plant and Soil</i> , 2013, 364, 145-158.	3.7	233
4	Earthworm humic matter produces auxin-like effects on <i>Daucus carota</i> cell growth and nitrate metabolism. <i>Soil Biology and Biochemistry</i> , 1999, 31, 1303-1311.	8.8	201
5	High Molecular Size Humic Substances Enhance Phenylpropanoid Metabolism in Maize (<i>Zea mays</i> L.). <i>Journal of Chemical Ecology</i> , 2010, 36, 662-669.	1.8	168
6	Relationship between molecular characteristics of soil humic fractions and glycolytic pathway and krebs cycle in maize seedlings. <i>Soil Biology and Biochemistry</i> , 2007, 39, 3138-3146.	8.8	164
7	Effect of saline water on seed germination and early seedling growth of the halophyte quinoa. <i>AoB PLANTS</i> , 2014, 6, plu047-plu047.	2.3	156
8	Phenotypic and metabolic responses to drought and salinity of four contrasting lentil accessions. <i>Journal of Experimental Botany</i> , 2015, 66, 5467-5480.	4.8	146
9	Humic substance: Relationship between structure and activity. Deeper information suggests univocal findings. <i>Journal of Geochemical Exploration</i> , 2013, 129, 57-63.	3.2	138
10	Effect of PEG-induced drought stress on seed germination of four lentil genotypes. <i>Journal of Plant Interactions</i> , 2014, 9, 354-363.	2.1	137
11	Sustainable use and management of non-conventional water resources for rehabilitation of marginal lands in arid and semiarid environments. <i>Agricultural Water Management</i> , 2019, 221, 462-476.	5.6	136
12	The effect of phenols on respiratory enzymes in seed germination. <i>Plant Growth Regulation</i> , 2001, 35, 31-35.	3.4	119
13	IAA detection in humic substances. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1199-1201.	8.8	107
14	Isopentenyladenosine and cytokinin-like activity of different humic substances. <i>Journal of Geochemical Exploration</i> , 2013, 129, 70-75.	3.2	98
15	Influence of slope aspects on soil chemical and biochemical properties in a <i>Pinus laricio</i> forest ecosystem of Aspromonte (Southern Italy). <i>European Journal of Soil Biology</i> , 2008, 44, 364-372.	3.2	90
16	Influence of gap size on organic matter decomposition, microbial biomass and nutrient cycle in Calabrian pine (<i>Pinus laricio</i> , Poiret) stands. <i>Forest Ecology and Management</i> , 2007, 242, 412-418.	3.2	86
17	Effects of salinity on growth, carbohydrate metabolism and nutritive properties of kikuyu grass (<i>Pennisetum clandestinum</i> Hochst). <i>Plant Science</i> , 2003, 164, 1103-1110.	3.6	84
18	The Auxin-like Activity of Humic Substances is Related to Membrane Interactions in Carrot Cell Cultures. <i>Journal of Chemical Ecology</i> , 2006, 33, 115-129.	1.8	84

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19	Biological Activity of Humic Substances Is Related to Their Chemical Structure. Soil Science Society of America Journal, 2007, 71, 75-85.	2.2	80
20	Biological Activities of Humic Substances. , 0, , 305-339.		77
21	Are raw materials or composting conditions and time that most influence the maturity and/or quality of composts? Comparison of obtained composts on soil properties. Journal of Cleaner Production, 2018, 195, 93-101.	9.3	71
22	Auxin-like effect of humic substances extracted from faeces of <i>Allolobophora caliginosa</i> and <i>A. rosea</i> . Soil Biology and Biochemistry, 1994, 26, 1341-1346.	8.8	70
23	Manipulating the antioxidant capacity of halophytes to increase their cultural and economic value through saline cultivation. AoB PLANTS, 2014, 6, plu046-plu046.	2.3	68
24	Introduction to the Special Issue: Halophytes in a changing world. AoB PLANTS, 2015, 7, .	2.3	68
25	Effect of earthworm humic substances on esterase and peroxidase activity during growth of leaf explants of <i>Nicotiana plumbaginifolia</i> . Biology and Fertility of Soils, 1993, 15, 127-131.	4.3	67
26	Seasonal fluctuations in soil phenolics of a coniferous forest: effects on seed germination of different coniferous species. Plant and Soil, 2006, 284, 305-318.	3.7	60
27	Stomatal Responses to Humic Substances and Auxin are Sensitive to Inhibitors of Phospholipase A2. Plant and Soil, 2006, 283, 175-185.	3.7	54
28	Salt tolerance traits increase the invasive success of <i>Acacia longifolia</i> in Portuguese coastal dunes. Plant Physiology and Biochemistry, 2012, 55, 60-65.	5.8	53
29	Anaerobic co-digestion of recalcitrant agricultural wastes: Characterizing of biochemical parameters of digestate and its impacts on soil ecosystem. Science of the Total Environment, 2017, 586, 746-752.	8.0	53
30	Use of digestate as an alternative to mineral fertilizer: effects on growth and crop quality. Archives of Agronomy and Soil Science, 2019, 65, 700-711.	2.6	53
31	Humic substances stimulate maize nitrogen assimilation and amino acid metabolism at physiological and molecular level. Chemical and Biological Technologies in Agriculture, 2015, 2, .	4.6	52
32	Effect of halotolerant endophytic bacteria isolated from <i>Salicornia europaea</i> L. on the growth of fodder beet (<i>Beta vulgaris</i> L.) under salt stress. Archives of Agronomy and Soil Science, 2017, 63, 1404-1418.	2.6	52
33	Early warning indicators of changes in soil ecosystem functioning. Ecological Indicators, 2015, 48, 542-549.	6.3	51
34	Crop diversification and saline water irrigation as potential strategies to save freshwater resources and reclamation of marginal soils—a review. Environmental Science and Pollution Research, 2020, 27, 28695-28729.	5.3	50
35	Drought, salinity and heat differently affect seed germination of <i>Pinus pinea</i> . Journal of Forest Research, 2008, 13, 326-330.	1.4	49
36	Effect of a Compost and Its Water-Soluble Fractions on Key Enzymes of Nitrogen Metabolism in Maize Seedlings. Journal of Agricultural and Food Chemistry, 2009, 57, 11267-11276.	5.2	49

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37	Effect of molecular complexity and acidity of earthworm faeces humic fractions on glutamate dehydrogenase, glutamine synthetase, and phosphoenolpyruvate carboxylase in <i>Daucus carota</i> ? II cells. <i>Biology and Fertility of Soils</i> , 1996, 22, 83-88.	4.3	45
38	Bio-priming mitigates detrimental effects of salinity on maize improving antioxidant defense and preserving photosynthetic efficiency. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 465-474.	5.8	43
39	Use of Recalcitrant Agriculture Wastes to Produce Biogas and Feasible Biofertilizer. <i>Waste and Biomass Valorization</i> , 2016, 7, 267-280.	3.4	40
40	Ecophysiology of <i>Pennisetum clandestinum</i> : a valuable salt tolerant grass. <i>Environmental and Experimental Botany</i> , 2013, 92, 55-63.	4.2	38
41	Gap size effects on above- and below-ground processes in a silver fir stand. <i>European Journal of Forest Research</i> , 2010, 129, 355-365.	2.5	37
42	EFFECT OF HUMIC SUBSTANCES ON NITROGEN UPTAKE AND ASSIMILATION IN TWO SPECIES OF PINUS. <i>Journal of Plant Nutrition</i> , 2001, 24, 693-704.	1.9	36
43	Biological indicators to assess short-term soil quality changes in forest ecosystems. <i>Ecological Indicators</i> , 2014, 45, 416-423.	6.3	36
44	Variations in Four Genotypes of Lentil under NaCl-Salinity Stress. <i>American Journal of Agricultural and Biological Science</i> , 2008, 3, 410-416.	0.4	35
45	Effects of different thinning intensities on soil carbon storage in <i>Pinus laricio</i> forest of Apennine South Italy. <i>European Journal of Forest Research</i> , 2018, 137, 131-141.	2.5	33
46	Factors determining enzyme activities in soils under <i>Pinus halepensis</i> and <i>Pinus sylvestris</i> plantations in Spain: a basis for establishing sustainable forest management strategies. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	33
47	Evaluation of Physiological and Morphological Traits for Improving Spring Wheat Adaptation to Terminal Heat Stress. <i>Plants</i> , 2021, 10, 455.	3.5	33
48	Three different methods for turning olive pomace in resource: Benefits of the end products for agricultural purpose. <i>Science of the Total Environment</i> , 2019, 662, 1-7.	8.0	32
49	Agro-Morphological, Yield and Quality Traits and Interrelationship with Yield Stability in Quinoa (<i>Chenopodium quinoa</i> Willd.) Genotypes under Saline Marginal Environment. <i>Plants</i> , 2020, 9, 1763.	3.5	28
50	Digestate Application on Two Different Soils: Agricultural Benefit and Risk. <i>Waste and Biomass Valorization</i> , 2021, 12, 4341-4353.	3.4	28
51	Title is missing!. <i>Plant Growth Regulation</i> , 2003, 41, 57-62.	3.4	27
52	Carboxyl and Phenolic Humic Fractions Affect <i>Pinus Nigra</i> Callus Growth and Metabolism. <i>Soil Science Society of America Journal</i> , 2009, 73, 1119-1129.	2.2	25
53	Variations in soil chemical properties and microbial biomass in artificial gaps in silver fir stands. <i>European Journal of Forest Research</i> , 2006, 126, 59-65.	2.5	23
54	Use of canopy gap openings to restore coniferous stands in Mediterranean environment. <i>IForest</i> , 2017, 10, 322-327.	1.4	23

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55	Using Digestate as Fertilizer for a Sustainable Tomato Cultivation. Sustainability, 2021, 13, 1574.	3.2	22
56	Response of four genotypes of lentil to salt stress conditions. Seed Science and Technology, 2007, 35, 497-503.	1.4	20
57	Land Use Affects the Soil C Sequestration in Alpine Environment, NE Italy. Forests, 2017, 8, 197.	2.1	20
58	Does salt stress increase the ability of the exotic legume <i>Acacia longifolia</i> to compete with native legumes in sand dune ecosystems?. Environmental and Experimental Botany, 2012, 82, 74-79.	4.2	17
59	Biological activity of humic substances extracted from soils under different vegetation cover. Communications in Soil Science and Plant Analysis, 1999, 30, 621-634.	1.4	16
60	Influence of Acidity on Growth and Biochemistry of <i>Pennisetum clandestinum</i> . Biologia Plantarum, 2004, 48, 133-136.	1.9	15
61	Soil and forest productivity: a case study from Stone pine (<i>Pinus pinea</i> L.) stands in Calabria (southern Italy). Journal of Environmental Management, 2013, 110, 107-115.	1.4	15
62	Biological effects of water-soluble soil phenol and soil humic extracts on plant systems. Acta Physiologiae Plantarum, 2013, 35, 309-320.	2.1	14
63	Short-term effects of different fire severities on soil properties and <i>Pinus halepensis</i> regeneration. Journal of Forestry Research, 2020, 31, 1271-1282.	3.6	14
64	Recycling agricultural, municipal and industrial pollutant wastes into fertilizers for a sustainable healthy food production. Journal of Environmental Management, 2021, 300, 113771.	7.8	14
65	Ecology, Distribution and Ecophysiology of <i>Salicornia Europaea</i> L.. Tasks for Vegetation Science, 2014, 1, 233-240.	0.6	14
66	Sulfur bentonite-based fertilizers as tool for improving bioactive compounds with antioxidant activities in red onion. Journal of the Science of Food and Agriculture, 2020, 100, 785-793.	3.5	13
67	AnchoisFert: A New Organic Fertilizer from Fish Processing Waste for Sustainable Agriculture. Global Challenges, 2022, 6, .	3.6	13
68	Effectiveness of Humic Substances and Phenolic Compounds in Regulating Plant-Biological Functionality. Agronomy, 2020, 10, 1553.	3.0	12
69	Effect of Organic Fertilizers on Selected Health Beneficial Bioactive Compounds and Aroma Profile of Red Topepo Sweet Pepper. Foods, 2020, 9, 1323.	4.3	11
70	Responses of soil quality indicators to innovative and traditional thinning in a beech (<i>Fagus sylvatica</i>) stand. Forest Ecology and Management, 2019, 437, 118-127.	3.2	11
71	Soil salinity improves nutritional and health promoting compounds in three varieties of lentil (<i>Lens culinaris</i>). Journal of Food Science, 2021, 92, 100-107.	4.4	11
72	The Effects Of Humic Substances On <i>Pinus Callus</i> Are Reversed By 2,4-Dichlorophenoxyacetic Acid. Journal of Chemical Ecology, 2005, 31, 577-590.	1.8	10

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73	Influence of Soil Properties on Bioactive Compounds and Antioxidant Capacity of <i>Brassica rupestris</i> Raf.. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 808-815.	3.4	10
74	Short-term changes in soil properties after prescribed fire and mulching with fern in Mediterranean forests. <i>Journal of Forestry Research</i> , 0, , 1.	3.6	10
75	Early effects of phenolic compounds, extracted from two forest litters, on ammonium uptake and assimilation in <i>Pinus laricio</i> and <i>Pinus pinaster</i> seedlings. <i>Plant and Soil</i> , 2005, 269, 309-320.	3.7	9
76	Soil biological indicators and caesium-137 to estimate soil erosion in areas with different forest system management. <i>European Journal of Forest Research</i> , 2020, 139, 67-81.	2.5	9
77	Effects of Gap Size and Cardinal Directions on Natural Regeneration, Growth Dynamics of Trees outside the Gaps and Soil Properties in European Beech Forests of Southern Italy. <i>Forests</i> , 2021, 12, 1563.	2.1	9
78	Increasing Soil and Crop Productivity by Using Agricultural Wastes Pelletized with Elemental Sulfur and Bentonite. <i>Agronomy Journal</i> , 2017, 109, 1900-1910.	1.8	8
79	Salinity tolerance of lentil is achieved by enhanced proline accumulation, lower level of sodium uptake and modulation of photosynthetic traits. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 40-52.	3.5	8
80	Title is missing!. <i>Plant Growth Regulation</i> , 2002, 37, 1-5.	3.4	7
81	Changes in germination and glyoxylate and respiratory enzymes of <i>Pinus pinea</i> seeds under various abiotic stresses. <i>Journal of Plant Interactions</i> , 2007, 2, 273-279.	2.1	7
82	Reclaimed municipal wastewater for forage production. <i>Water Science and Technology</i> , 2017, 75, 1784-1793.	2.5	7
83	Protein content, antioxidant activity, carbohydrates and photosynthesis in leaves of girdled stems of four olive cultivars. <i>Scientia Horticulturae</i> , 2019, 256, 108551.	3.6	7
84	Soil Biodiversity as Affected by Different Thinning Intensities in a <i>Pinus laricio</i> Stand of Calabrian Apennine, South Italy. <i>Forests</i> , 2021, 12, 108.	2.1	6
85	Elemental localisation and a reduced glutathione redox state protect seeds of the halophyte <i>Suaeda maritima</i> from salinity during over-wintering and germination. <i>Environmental and Experimental Botany</i> , 2021, 190, 104569.	4.2	6
86	Carbon ($\delta^{13}C$) and Nitrogen ($\delta^{15}N$) Stable Isotope Composition Provide New Insights into Phenotypic Plasticity in Broad Leaf Weed <i>Rumex acetosa</i> under Allelochemical Stress. <i>Molecules</i> , 2018, 23, 2449.	3.8	5
87	Economic and technical feasibility of AnchoisFert organic fertilizer production. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100315.	5.6	5
88	Drought and Salinity Differently Affect Growth and Secondary Metabolites of <i>Chenopodium quinoa</i> Willd. Seedlings. , 2016, , 259-275.		4
89	Potential <i>Piriformospora indica</i> effect on growth and mineral nutrition of <i>Phaseolus vulgaris</i> crop under low phosphorus intake. <i>Journal of Plant Nutrition</i> , 2021, 44, 498-507.	1.9	4
90	The relationships between selected soil properties and caesium-137 identify organic carbon, nitrogen and water soluble phenols as indicators of soil erosion processes in different forest stands. <i>Journal of Forestry Research</i> , 2021, 32, 2589-2598.	3.6	4

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91	Root plasticity improves salt tolerance in different genotypes of lentil (<i>Lens culinaris</i>). <i>Ecological Questions</i> , 0, 14, 95.	0.3	4
92	<i>Jatropha Curcas</i> Sludge Valorization. <i>Procedia, Social and Behavioral Sciences</i> , 2016, 223, 865-870.	0.5	3
93	Bergamot and olive extracts as beer ingredients: their influence on nutraceutical and sensory properties. <i>European Food Research and Technology</i> , 2022, 248, 2067-2077.	3.3	3
94	Non-trophic Interactions: Allelopathy. <i>Biodiversity Community and Ecosystems</i> , 2014, , 139-162.	0.2	2
95	Effect of long-term irrigation water salinity on soil properties and microbial biomass. <i>Ecological Questions</i> , 0, 14, 77.	0.3	2
96	Effect of molecular complexity and acidity of earthworm faeces humic fractions on glutamate dehydrogenase, glutamine synthetase, and phosphoenolpyruvate carboxylase in <i>Daucus carota</i> ? II cells. <i>Biology and Fertility of Soils</i> , 1996, 22, 83-88.	4.3	2
97	Recycling of agricultural (orange and olive) bio-wastes into ecofriendly fertilizers for improving soil and garlic quality. <i>Resources, Conservation & Recycling Advances</i> , 2022, 15, 200083.	2.5	2
98	Erosion of <i>Brassica incana</i> Genetic Resources: Causes and Effects. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 78, 012014.	0.3	1
99	Salinity modulates crop plants suitability as hosts for <i>Cuscuta campestris</i> parasitism. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2022, 21, 324-330.	1.9	1
100	IAA Radioimmunoassay in humic substances using antibodies against ring-linked IAA. <i>Giornale Botanico Italiano (Florence, Italy)</i> : 1962), 1995, 129, 1018-1019.	0.0	0
101	Root plasticity improves salt tolerance in different genotypes of lentil (<i>Lens culinaris</i>). <i>Ecological Questions</i> , 2010, 14, .	0.3	0
102	Effect of long-term irrigation water salinity on soil properties and microbial biomass. <i>Ecological Questions</i> , 2010, 14, .	0.3	0
103	Glutamine Synthetase in Cells from Carrot (<i>Daucus carota</i> L.): Interaction between Phosphinothricin and Glutamate. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1995, , 589-594.	0.0	0