

Catello Pane

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,598
citations

304602

22
h-index

315616

38
g-index

63
all docs

63
docs citations

63
times ranked

1751
citing authors

#	ARTICLE	IF	CITATIONS
1	Composted Solid Digestate and Vineyard Winter Prunings Partially Replace Peat in Growing Substrates for Micropropagated Highbush Blueberry in the Nursery. <i>Agronomy</i> , 2022, 12, 337.	1.3	6
2	Surveying soil-borne disease development on wild rocket salad crop by proximal sensing based on high-resolution hyperspectral features. <i>Scientific Reports</i> , 2022, 12, 5098.	1.6	5
3	Sorting biotic and abiotic stresses on wild rocket by leaf-image hyperspectral data mining with an artificial intelligence model. <i>Plant Methods</i> , 2022, 18, 45.	1.9	10
4	Early Detection of Wild Rocket Tracheofusariosis Using Hyperspectral Image-Based Machine Learning. <i>Remote Sensing</i> , 2022, 14, 84.	1.8	10
5	Multi-Parameter Characterization of Disease-Suppressive Bio-composts from Aromatic Plant Residues Evaluated for Garden Cress (<i>Lepidium sativum</i> L.) Cultivation. <i>Horticulturae</i> , 2022, 8, 632.	1.2	3
6	Effects of highly concentrated KCl foliar spray for managing the occurrence of the internal brown spot, a physiological disorder of potato tubers. <i>Journal of Horticultural Science and Biotechnology</i> , 2021, 96, 527-537.	0.9	0
7	Functional Hyperspectral Imaging by High-Related Vegetation Indices to Track the Wide-Spectrum Trichoderma Biocontrol Activity Against Soil-Borne Diseases of Baby-Leaf Vegetables. <i>Frontiers in Plant Science</i> , 2021, 12, 630059.	1.7	17
8	Municipal organic waste compost replaces mineral fertilization in the horticultural cropping systems, reducing the pollution risk. <i>Italian Journal of Agronomy</i> , 2021, 16, .	0.4	4
9	Root Zone Management for Improving Seedling Quality of Organically Produced Horticultural Crops. <i>Agronomy</i> , 2021, 11, 630.	1.3	8
10	Precision Agriculture Digital Technologies for Sustainable Fungal Disease Management of Ornamental Plants. <i>Sustainability</i> , 2021, 13, 3707.	1.6	16
11	Host range and molecular typing of <i>Xanthomonas</i> spp. strains isolated from wild rocket (<i>Diplotaxis</i>) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	2
12	Essential oils and quality composts sourced by recycling vegetable residues from the aromatic plant supply chain. <i>Industrial Crops and Products</i> , 2021, 162, 113255.	2.5	26
13	Non-Thermal Plasma Treatment Influences Shoot Biomass, Flower Production and Nutrition of Gerbera Plants Depending on Substrate Composition and Fertigation Level. <i>Plants</i> , 2021, 10, 689.	1.6	8
14	Powdery Mildew Caused by <i>Erysiphe cruciferarum</i> on Wild Rocket (<i>Diplotaxis tenuifolia</i>): Hyperspectral Imaging and Machine Learning Modeling for Non-Destructive Disease Detection. <i>Agriculture (Switzerland)</i> , 2021, 11, 337.	1.4	21
15	The Role of Peat-Free Organic Substrates in the Sustainable Management of Soilless Cultivations. <i>Agronomy</i> , 2021, 11, 1236.	1.3	45
16	Effects of Organic Additives on Chemical, Microbiological and Plant Pathogen Suppressive Properties of Aerated Municipal Waste Compost Teas. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7402.	1.3	7
17	Machine learning applied to canopy hyperspectral image data to support biological control of soil-borne fungal diseases in baby leaf vegetables. <i>Biological Control</i> , 2021, 164, 104784.	1.4	7
18	Hyperspectral Reflectance Response of Wild Rocket (<i>Diplotaxis tenuifolia</i>) Baby-Leaf to Bio-Based Disease Resistance Inducers Using a Linear Mixed Effect Model. <i>Plants</i> , 2021, 10, 2575.	1.6	2

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19	First report of <i>Neopestalotiopsis clavispora</i> causing crown rot in strawberry in Italy. <i>Journal of Plant Pathology</i> , 2020, 102, 281-281.	0.6	6
20	Enhancing Sustainability of Tomato, Pepper and Melon Nursery Production Systems by Using Compost Tea Spray Applications. <i>Agronomy</i> , 2020, 10, 1336.	1.3	15
21	Sage Species Case Study on a Spontaneous Mediterranean Plant to Control Phytopathogenic Fungi and Bacteria. <i>Forests</i> , 2020, 11, 704.	0.9	13
22	Biochemical Characterization of Traditional Varieties of Sweet Pepper (<i>Capsicum annuum</i> L.) of the Campania Region, Southern Italy. <i>Antioxidants</i> , 2020, 9, 556.	2.2	29
23	Augmenting the Sustainability of Vegetable Cropping Systems by Configuring Rootstock-Dependent Rhizomicrobiomes that Support Plant Protection. <i>Agronomy</i> , 2020, 10, 1185.	1.3	9
24	Managing Rhizoctonia Damping-Off of Rocket (<i>Eruca sativa</i>) Seedlings by Drench Application of Bioactive Potato Leaf Phytochemical Extracts. <i>Biology</i> , 2020, 9, 270.	1.3	9
25	Alpha and Beta-diversity of Microbial Communities Associated to Plant Disease Suppressive Functions of On-farm Green Composts. <i>Agriculture (Switzerland)</i> , 2020, 10, 113.	1.4	21
26	Microbiota Characterization of Agricultural Green Waste-Based Suppressive Composts Using Omics and Classic Approaches. <i>Agriculture (Switzerland)</i> , 2020, 10, 61.	1.4	21
27	Stepwise-Selected <i>Bacillus amyloliquefaciens</i> and <i>B. subtilis</i> Strains from Composted Aromatic Plant Waste Able to Control Soil-Borne Diseases. <i>Agriculture (Switzerland)</i> , 2020, 10, 30.	1.4	21
28	Greenhouse application of light-drone imaging technology for assessing weeds severity occurring on baby-leaf red lettuce beds approaching fresh-cutting. <i>Spanish Journal of Agricultural Research</i> , 2020, 18, e0207.	0.3	5
29	Disease suppressiveness of agricultural greenwaste composts as related to chemical and bio-based properties shaped by different on-farm composting methods. <i>Biological Control</i> , 2019, 137, 104026.	1.4	29
30	Valorization of Vineyard By-Products to Obtain Composted Digestate and Biochar Suitable for Nursery Grapevine (<i>Vitis vinifera</i> L.) Production. <i>Agronomy</i> , 2019, 9, 420.	1.3	27
31	Chestnut (<i>Castanea sativa</i> Miller.) Burs Extracts and Functional Compounds: UHPLC-UV-HRMS Profiling, Antioxidant Activity, and Inhibitory Effects on Phytopathogenic Fungi. <i>Molecules</i> , 2019, 24, 302.	1.7	43
32	Use of black soldier fly (<i>Hermetia illucens</i> (L.), Diptera: Stratiomyidae) larvae processing residue in peat-based growing media. <i>Waste Management</i> , 2019, 95, 278-288.	3.7	88
33	Short-term interaction between organic matter from biofuel defatted seed cakes and soil microbiota in two intensive horticulture systems. <i>European Journal of Soil Biology</i> , 2018, 85, 30-35.	1.4	4
34	Alpha-amylase, α -glucosidase and lipase inhibiting activities of polyphenol-rich extracts from six common bean cultivars of Southern Italy, before and after cooking. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 824-834.	1.3	28
35	Relationships Between Internal Brown Spot and Skin Roughness in Potato Tubers Under Field Conditions. <i>Potato Research</i> , 2018, 61, 327-339.	1.2	3
36	Polyketide synthases of <i>Diaporthe helianthi</i> and involvement of DhPKS1 in virulence on sunflower. <i>BMC Genomics</i> , 2018, 19, 27.	1.2	15

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37	Impact of Biochar Amendment on Soil Quality and Crop Yield in a Greenhouse Environment. <i>Journal of Environmental Accounting and Management</i> , 2018, 6, 313-324.	0.3	3
38	Response of rocket salad germplasm (<i>Eruca</i> and <i>Diplotaxis</i> spp.) to major pathogens causing damping-off, wilting and leaf spot diseases. <i>Archives of Phytopathology and Plant Protection</i> , 2017, 50, 167-177.	0.6	9
39	Activity of foliar extracts of cultivated eggplants against sclerotinia lettuce drop disease and their phytochemical profiles. <i>European Journal of Plant Pathology</i> , 2017, 148, 687-697.	0.8	7
40	Phenolic Composition and Antioxidant and Antiproliferative Activities of the Extracts of Twelve Common Bean (<i>Phaseolus vulgaris</i> L.) Endemic Ecotypes of Southern Italy before and after Cooking. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	75
41	Humic acids and compost tea from compost for sustainable agriculture management. <i>Acta Horticulturae</i> , 2016, , 115-120.	0.1	4
42	On-farm compost: a useful tool to improve soil quality under intensive farming systems. <i>Applied Soil Ecology</i> , 2016, 107, 13-23.	2.1	87
43	Control of <i>Alternaria</i> post-harvest infections on cherry tomato fruits by wild pepper phenolic-rich extracts. <i>Crop Protection</i> , 2016, 84, 81-87.	1.0	53
44	Enhancing sustainability of a processing tomato cultivation system by using bioactive compost teas. <i>Scientia Horticulturae</i> , 2016, 202, 117-124.	1.7	54
45	Use of Spent Coffee Ground Compost in Peat-Based Growing Media for the Production of Basil and Tomato Potting Plants. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 356-368.	0.6	72
46	Evaluation of <i>Bacillus</i> strains isolated from solanaceous phylloplane for biocontrol of <i>Alternaria</i> early blight of tomato. <i>Biological Control</i> , 2015, 84, 11-18.	1.4	46
47	Effects of on-farm composted tomato residues on soil biological activity and yields in a tomato cropping system. <i>Chemical and Biological Technologies in Agriculture</i> , 2015, 2, .	1.9	63
48	Co-products from a biofuel production chain in crop disease management: A review. <i>Crop Protection</i> , 2015, 68, 12-26.	1.0	26
49	Compost and Compost Tea Management of Mini Watermelon Cultivations Affects the Chemical, Physical and Sensory Assessment of the Fruits. <i>Agricultural Sciences</i> , 2015, 06, 117-125.	0.2	8
50	Effects of compost tea treatments on productivity of lettuce and kohlrabi systems under organic cropping management. <i>Italian Journal of Agronomy</i> , 2014, 9, 153.	0.4	29
51	Principles of Compost-based Plant Diseases Control and Innovative New Developments. <i>Sustainable Development and Biodiversity</i> , 2014, , 151-171.	1.4	3
52	Agricultural waste-based composts exhibiting suppressivity to diseases caused by the phytopathogenic soil-borne fungi <i>Rhizoctonia solani</i> and <i>Sclerotinia minor</i> . <i>Applied Soil Ecology</i> , 2013, 65, 43-51.	2.1	134
53	Short-Time Response of Microbial Communities to Waste Compost Amendment of an Intensive Cultivated Soil in Southern Italy. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 2344-2352.	0.6	9
54	Screening of plant-derived antifungal substances useful for the control of seedborne pathogens. <i>Archives of Phytopathology and Plant Protection</i> , 2013, 46, 1533-1539.	0.6	16

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55	Foliar spray application of glucosinolates and essential oils on processing tomato in open field production system. <i>Agricultural Sciences</i> , 2013, 04, 149-153.	0.2	2
56	Integration of soil solarization with <i>Brassica carinata</i> seed meals amendment in a greenhouse lettuce production system. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2012, 62, 291-299.	0.3	8
57	Novel strains of <i>Bacillus</i> , isolated from compost and compost-amended soils, as biological control agents against soil-borne phytopathogenic fungi. <i>Biocontrol Science and Technology</i> , 2012, 22, 1373-1388.	0.5	35
58	Control of <i>Botrytis cinerea</i> , <i>Alternaria alternata</i> and <i>Pyrenochaeta lycopersici</i> on tomato with whey compost-tea applications. <i>Crop Protection</i> , 2012, 38, 80-86.	1.0	69
59	Metagenomic profiles of soil microbiota under two different cropping systems detected by STRs-based PCR. <i>Agricultural Sciences</i> , 2012, 03, 98-103.	0.2	1
60	Compost amendments enhance peat suppressiveness to <i>Pythium ultimum</i> , <i>Rhizoctonia solani</i> and <i>Sclerotinia minor</i> . <i>Biological Control</i> , 2011, 56, 115-124.	1.4	150
61	Cloning and functional characterization of <i>BcatrA</i> , a gene encoding an ABC transporter of the plant pathogenic fungus <i>Botryotinia fuckeliana</i> (<i>Botrytis cinerea</i>). <i>Mycological Research</i> , 2008, 112, 737-746.	2.5	25
62	Compost tea spraying increases yield performance of pepper (<i>Capsicum annuum</i> L.) grown in greenhouse under organic farming system. <i>Italian Journal of Agronomy</i> , 0, , 229-234.	0.4	23