

Giacomo Mele

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

510
citations

759233

12
h-index

794594

19
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21
all docs

21
docs citations

21
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil burrow characterization by 3D image analysis: Prediction of macroinvertebrate groups from biopore size distribution parameters. <i>Geoderma</i> , 2021, 404, 115292.	5.1	6
2	Micro-CT imaging of tomato seeds: Predictive potential of 3D morphometry on germination. <i>Biosystems Engineering</i> , 2020, 200, 112-122.	4.3	13
3	Automatic cell identification and counting of leaf epidermis for plant phenotyping. <i>MethodsX</i> , 2020, 7, 100860.	1.6	2
4	3D imaging of bean seeds: Correlations between hilum region structures and hydration kinetics. <i>Food Research International</i> , 2020, 134, 109211.	6.2	10
5	Soil structure and stability in the spermosphere of myxosdiaspore chia (<i>Salvia hispanica</i> L.). <i>Soil Research</i> , 2019, 57, 546.	1.1	4
6	Disruption of the <i>Lotus japonicus</i> transporter LjNPF2.9 increases shoot biomass and nitrate content without affecting symbiotic performances. <i>BMC Plant Biology</i> , 2019, 19, 380.	3.6	14
7	Morpho-densitometric traits for quinoa (<i>Chenopodium quinoa</i> Willd.) seed phenotyping by two X-ray micro-CT scanning approaches. <i>Journal of Cereal Science</i> , 2019, 90, 102829.	3.7	21
8	Chemotropic vs Hydrotropic Stimuli for Root Growth Orientation in Microgravity. <i>Frontiers in Plant Science</i> , 2019, 10, 1547.	3.6	16
9	Effect of rock fragments on soil porosity: a laboratory experiment with two physically degraded soils. <i>European Journal of Soil Science</i> , 2016, 67, 597-604.	3.9	28
10	Natural restoration of soils on mine heaps with similar technogenic parent material: A case study of long-term soil evolution in Silesian-Krakow Upland Poland. <i>Geoderma</i> , 2016, 261, 141-150.	5.1	36
11	The role of rock fragments in crack and soil structure development: a laboratory experiment with a <sc>V</sc>ertisol. <i>European Journal of Soil Science</i> , 2015, 66, 757-766.	3.9	24
12	Volcanic soils and landslides: a case study of the island of Ischia (southern Italy) and its relationship with other Campania events. <i>Solid Earth</i> , 2015, 6, 783-797.	2.8	20
13	Non-destructive evaluation of chlorophyll content in quinoa and amaranth leaves by simple and multiple regression analysis of RGB image components. <i>Photosynthesis Research</i> , 2014, 120, 263-272.	2.9	83
14	Effects of iron-based amendments on soil structure: a lab experiment using soil micromorphology and image analysis of pores. <i>Journal of Soils and Sediments</i> , 2014, 14, 1370-1377.	3.0	8
15	Image analysis and soil micromorphology applied to study physical mechanisms of soil pore development: An experiment using iron oxides and calcium carbonate. <i>Geoderma</i> , 2013, 197-198, 151-160.	5.1	32
16	Complementary techniques to assess physical properties of a fine soil irrigated with saline water. <i>Environmental Earth Sciences</i> , 2012, 66, 1797-1807.	2.7	43
17	Hydrological behaviour of microbiotic crusts on sand dunes: Example from NW China comparing infiltration in crusted and crust-removed soil. <i>Soil and Tillage Research</i> , 2011, 117, 34-43.	5.6	35
18	Effects of saline water irrigation on soil properties in northwest China. <i>Environmental Earth Sciences</i> , 2011, 63, 701-708.	2.7	42

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19	A comparative analysis of the pore system in volcanic soils by means of water-retention measurements and image analysis. , 2007, , 493-513.		12
20	Soil hydraulic behaviour of a selected benchmark soil involved in the landslide of Sarno 1998. Geoderma, 2003, 117, 331-346.	5.1	61