

# Laura Gargiulo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/649650/publications.pdf>

Version: 2024-02-01

13  
papers

210  
citations

1040056

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h-index

1199594

12  
g-index

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docs citations

13  
times ranked

319  
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	A radiographic method for the measurement of soil core volume in shrinkage analysis. <i>Geoderma</i> , 2021, 404, 115291.	5.1	0
3	Micro-CT imaging of tomato seeds: Predictive potential of 3D morphometry on germination. <i>Biosystems Engineering</i> , 2020, 200, 112-122.	4.3	13
4	Automatic cell identification and counting of leaf epidermis for plant phenotyping. <i>MethodsX</i> , 2020, 7, 100860.	1.6	2
5	3D imaging of bean seeds: Correlations between hilum region structures and hydration kinetics. <i>Food Research International</i> , 2020, 134, 109211.	6.2	10
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	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
13	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