

MarÃ-a Alonso-Ayuso

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

842
citations

516710

16
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	The Kill Date as a Management Tool for Cover Cropping Success. PLoS ONE, 2014, 9, e109587.	2.5	100
2	Airborne and ground level sensors for monitoring nitrogen status in a maize crop. Biosystems Engineering, 2017, 160, 124-133.	4.3	80
3	Cover crops to mitigate soil degradation and enhance soil functionality in irrigated land. Geoderma, 2018, 322, 81-88.	5.1	74
4	Managing nitrogen through cover crop species selection in the U.S. mid-Atlantic. PLoS ONE, 2019, 14, e0215448.	2.5	74
5	Effect of cover crops on greenhouse gas emissions in an irrigated field under integrated soil fertility management. Biogeosciences, 2016, 13, 5245-5257.	3.3	63
6	Nitrogen use efficiency and residual effect of fertilizers with nitrification inhibitors. European Journal of Agronomy, 2016, 80, 1-8.	4.1	52
7	Nitrogen use efficiency and fertiliser fate in a long-term experiment with winter cover crops. European Journal of Agronomy, 2016, 79, 14-22.	4.1	48
8	Weed density and diversity in a long-term cover crop experiment background. Crop Protection, 2018, 112, 103-111.	2.1	45
9	Effective climate change mitigation through cover cropping and integrated fertilization: A global warming potential assessment from a 10-year field experiment. Journal of Cleaner Production, 2019, 241, 118307.	9.3	43
10	Multicriteria decision analysis applied to cover crop species and cultivars selection. Field Crops Research, 2015, 175, 106-115.	5.1	40
11	Assessing cover crop management under actual and climate change conditions. Science of the Total Environment, 2018, 621, 1330-1341.	8.0	38
12	Quantitative characterization of five cover crop species. Journal of Agricultural Science, 2015, 153, 1174-1185.	1.3	33
13	Cover crops reduce soil resistance to penetration by preserving soil surface water content. Geoderma, 2021, 386, 114911.	5.1	26
14	The cover crop termination choice to designing sustainable cropping systems. European Journal of Agronomy, 2020, 114, 126000.	4.1	25
15	Legacy of eight-year cover cropping on mycorrhizae, soil, and plants. Journal of Plant Nutrition and Soil Science, 2018, 181, 818-826.	1.9	21
16	Residual Effect and N Fertilizer Rate Detection by High-Resolution VNIR-SWIR Hyperspectral Imagery and Solar-Induced Chlorophyll Fluorescence in Wheat. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	18
17	Predicting N Status in Maize with Clip Sensors: Choosing Sensor, Leaf Sampling Point, and Timing. Sensors, 2019, 19, 3881.	3.8	14
18	Residual effect of synthetic nitrogen fertilizers and impact on Soil Nitrifiers. European Journal of Agronomy, 2019, 109, 125917.	4.1	14

#	ARTICLE	IF	CITATIONS
19	Interseeding cover crops into maize: Characterization of species performance under Mediterranean conditions. <i>Field Crops Research</i> , 2020, 249, 107762.	5.1	14
20	High-Resolution Airborne Hyperspectral Imagery for Assessing Yield, Biomass, Grain N Concentration, and N Output in Spring Wheat. <i>Remote Sensing</i> , 2021, 13, 1373.	4.0	12
21	Nitrogen Fertilizer Efficiency Determined by the ¹⁵ N Dilution Technique in Maize Followed or Not by a Cover Crop in Mediterranean Chile. <i>Agriculture (Switzerland)</i> , 2021, 11, 721.	3.1	3
22	Nitrogen services provided by interseeded cover crops in organic corn systems. <i>Agronomy Journal</i> , 2022, 114, 2458-2472.	1.8	3
23	Data supporting the cover crops benefits related to soil functionality in a 10-year cropping system. <i>Data in Brief</i> , 2018, 18, 1327-1333.	1.0	1