MarÃ-a Alonso-Ayuso

List of Publications by Year
in descending order

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	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
2	Nitrogen services provided by interseeded cover crops in organic corn systems. Agronomy Journal, 2022, 114, 2458-2472.	1.8	3
3	Cover crops reduce soil resistance to penetration by preserving soil surface water content. Geoderma, 2021, 386, 114911.	5.1	26
4	High-Resolution Airborne Hyperspectral Imagery for Assessing Yield, Biomass, Grain N Concentration, and N Output in Spring Wheat. Remote Sensing, 2021, 13, 1373.	4.0	12
5	Nitrogen Fertilizer Efficiency Determined by the 15N Dilution Technique in Maize Followed or Not by a Cover Crop in Mediterranean Chile. Agriculture (Switzerland), 2021, 11, 721.	3.1	3
6	The cover crop termination choice to designing sustainable cropping systems. European Journal of Agronomy, 2020, 114, 126000.	4.1	25
7	Interseeding cover crops into maize: Characterization of species performance under Mediterranean conditions. Field Crops Research, 2020, 249, 107762.	5.1	14
8	Predicting N Status in Maize with Clip Sensors: Choosing Sensor, Leaf Sampling Point, and Timing. Sensors, 2019, 19, 3881.	3.8	14
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	Residual effect of synthetic nitrogen fertilizers and impact on Soil Nitrifiers. European Journal of Agronomy, 2019, 109, 125917.	4.1	14
11	Managing nitrogen through cover crop species selection in the U.S. mid-Atlantic. PLoS ONE, 2019, 14, e0215448.	2.5	74
12	Cover crops to mitigate soil degradation and enhance soil functionality in irrigated land. Geoderma, 2018, 322, 81-88.	5.1	74
13	Assessing cover crop management under actual and climate change conditions. Science of the Total Environment, 2018, 621, 1330-1341.	8.0	38
14	Legacy of eightâ€year cover cropping on mycorrhizae, soil, and plants. Journal of Plant Nutrition and Soil Science, 2018, 181, 818-826.	1.9	21
15	Data supporting the cover crops benefits related to soil functionality in a 10-year cropping system. Data in Brief, 2018, 18, 1327-1333.	1.0	1
16	Weed density and diversity in a long-term cover crop experiment background. Crop Protection, 2018, 112, 103-111.	2.1	45
17	Airborne and ground level sensors for monitoring nitrogen status in a maize crop. Biosystems Engineering, 2017, 160, 124-133.	4.3	80
18	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

#	Article	IF	Citations
19	Nitrogen use efficiency and residual effect of fertilizers with nitrification inhibitors. European Journal of Agronomy, 2016, 80, 1-8.	4.1	52
20	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
21	Quantitative characterization of five cover crop species. Journal of Agricultural Science, 2015, 153, 1174-1185.	1.3	33
22	Multicriteria decision analysis applied to cover crop species and cultivars selection. Field Crops Research, 2015, 175, 106-115.	5.1	40
23	The Kill Date as a Management Tool for Cover Cropping Success. PLoS ONE, 2014, 9, e109587.	2.5	100