Teresa Fuertes-MendizÃ¡bal

List of Publications by Year
in descending order

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26 papers	1,503 citations	430874 18 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1818 citing authors

#	Article	IF	Citations
1	Biochar, soil and land-use interactions that reduce nitrate leaching and N2O emissions: A meta-analysis. Science of the Total Environment, 2019, 651, 2354-2364.	8.0	339
2	Feedstock choice, pyrolysis temperature and type influence biochar characteristics: a comprehensive meta-data analysis review. Biochar, 2020, 2, 421-438.	12.6	333
3	BIOCHAR AS A TOOL TO REDUCE THE AGRICULTURAL GREENHOUSE-GAS BURDEN â€“ KNOWNS, UNKNOWNS AND FUTURE RESEARCH NEEDS. Journal of Environmental Engineering and Landscape Management, 2017, 25, 114-139.	1.0	144
4	Improving wheat breadmaking quality by splitting the N fertilizer rate. European Journal of Agronomy, 2010, 33, 52-61.	4.1	82
5	High irradiance improves ammonium tolerance in wheat plants by increasing N assimilation. Journal of Plant Physiology, 2013, 170, 758-771.	3.5	81
6	Splitting the application of 3,4-dimethylpyrazole phosphate (DMPP): Influence on greenhouse gases emissions and wheat yield and quality under humid Mediterranean conditions. European Journal of Agronomy, 2015, 64, 47-57.	4.1	51
7	The new nitrification inhibitor 3,4-dimethylpyrazole succinic (DMPSA) as an alternative to DMPP for reducing N 2 O emissions from wheat crops under humid Mediterranean conditions. European Journal of Agronomy, 2016, 80, 78-87.	4.1	46
8	Elevated CO2 Induces Root Defensive Mechanisms in Tomato Plants When Dealing with Ammonium Toxicity. Plant and Cell Physiology, 2017, 58, 2112-2125.	3.1	45
9	Urea-based fertilization strategies to reduce yield-scaled N oxides and enhance bread-making quality in a rainfed Mediterranean wheat crop. Agriculture, Ecosystems and Environment, 2018, 265, 421-431.	5.3	45
10	Ammonium as sole N source improves grain quality in wheat. Journal of the Science of Food and Agriculture, 2013, 93, 2162-2171.	3.5	43
11	Durum wheat quality traits affected by mycorrhizal inoculation, water availability and atmospheric CO2 concentration. Crop and Pasture Science, 2016, 67, 147.	1.5	33
12	Biochar reduces the efficiency of nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) mitigating N2O emissions. Scientific Reports, 2019, 9, 2346.	3.3	31
13	Metabolic Effects of Elevated CO₂ on Wheat Grain Development and Composition. Journal of Agricultural and Food Chemistry, 2019, 67, 8441-8451.	5.2	29
14	DMPSA and DMPP equally reduce N2O emissions from a maize-ryegrass forage rotation under Atlantic climate conditions. Atmospheric Environment, 2018, 187, 255-265.	4.1	26
15	Relationship between tillage management and DMPSA nitrification inhibitor efficiency. Science of the Total Environment, 2020, 718, 134748.	8.0	26
16	Late nitrogen fertilization affects carbohydrate mobilization in wheat. Journal of Plant Nutrition and Soil Science, 2010, 173, 907-919.	1.9	22
17	Plasticity to salinity and transgenerational effects in the nonnative shrub Baccharis halimifolia: Insights into an estuarine invasion. American Journal of Botany, 2016, 103, 808-820.	1.7	22
18	15N Natural Abundance Evidences a Better Use of N Sources by Late Nitrogen Application in Bread Wheat. Frontiers in Plant Science, 2018, 9, 853.	3.6	22

#	Article	IF	Citations
19	Nitrogen Assimilation in the Highly Salt- and Boron-Tolerant Ecotype Zea mays L. Amylacea. Plants, 2020, 9, 322.	3.5	19
20	Biochar research activities and their relation to development and environmental quality. A meta-analysis. Agronomy for Sustainable Development, 2017, 37, 1.	5.3	17
21	Late nitrogen fertilization affects nitrogen remobilization in wheat. Journal of Plant Nutrition and Soil Science, 2012, 175, 115-124.	1.9	13
22	Dimethylpyrazole-based nitrification inhibitors have a dual role in N2O emissions mitigation in forage systems under Atlantic climate conditions. Science of the Total Environment, 2022, 807, 150670.	8.0	13
23	Assessing the evolution of wheat grain traits during the last 166Âyears using archived samples. Scientific Reports, 2020, 10, 21828.	3.3	12
24	The scarcity and distribution of rainfall drove the performance (i.e., mitigation of N oxide emissions,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 semiarid conditions. Archives of Agronomy and Soil Science, 2020, 66, 1827-1844.	2.6	5
25	Compost and PGP-Based Biostimulant as Alternative to Peat and NPK Fertilization in Chestnut (Castanea Sativa Mill.) Nursery Production. Forests, 2021, 12, 850.	2.1	4
26	Response of Wheat Storage Proteins and Breadmaking Quality to Dimethylpyrazole-Based Nitrification Inhibitors under Different Nitrogen Fertilization Splitting Strategies. Plants, 2021, 10, 703.	3.5	0