Maria del Carmen del Campillo

List of Publications by Citations

55 papers	1,468 citations	20 h-index	37 g-index
56 ext. papers	1,645 ext. citations	3.6 avg, IF	4.45 L-index

#	Paper	IF	Citations
55	Enhanced wheat yield by biochar addition under different mineral fertilization levels. *Agronomy for Sustainable Development*, **2013**, 33, 475-484	6.8	197
54	Effects of biochars produced from different feedstocks on soil properties and sunflower growth. *Journal of Plant Nutrition and Soil Science*, **2014**, 177, 16-25	2.3	159
53	Phosphorus fertilizer recovery from calcareous soils amended with humic and fulvic acids. *Plant and Soil*, **2002**, 245, 277-286	4.2	114
52	Estimation of aggregate stability indices in Mediterranean soils by diffuse reflectance spectroscopy. *Geoderma*, **2010**, 158, 78-84	6.7	80
51	An endophytic Beauveria bassiana strain increases spike production in bread and durum wheat plants and effectively controls cotton leafworm (Spodoptera littoralis) larvae. *Biological Control*, **2018**, 116, 90-102	3.8	72
50	Wheat growth and yield responses to biochar addition under Mediterranean climate conditions. *Biology and Fertility of Soils*, **2014**, 50, 1177-1187	6.1	71
49	Modelling long-term phosphorus leaching and changes in phosphorus fertility in excessively fertilized acid sandy soils. *European Journal of Soil Science*, **1999**, 50, 391-399	3.4	69
48	Effect of Soil Properties and Reclamation Practices on Phosphorus Dynamics in Reclaimed Calcareous Marsh Soils from the Guadalquivir Valley, SW Spain. *Arid Land Research and Management* , **2001**, 15, 203-221	1.8	42
47	Iron chlorosis in olive in relation to soil properties. *Nutrient Cycling in Agroecosystems*, **2002**, 62, 47-52	3.3	36
46	Use of vivianite (Fe3(PO4)2.8H2O) to prevent iron chlorosis in calcareous soils. *Fertilizer Research*, **1992**, 31, 61-67		33
45	Beauveria bassiana: An entomopathogenic fungus alleviates Fe chlorosis symptoms in plants grown on calcareous substrates. *Scientia Horticulturae*, **2015**, 197, 193-202	4.1	30
44	Entomopathogenic fungi-based mechanisms for improved Fe nutrition in sorghum plants grown on calcareous substrates. *PLoS ONE*, **2017**, 12, e0185903	3.7	30
43	Long-term effectiveness of vivianite in reducing iron chlorosis in olive trees. *Plant and Soil*, **2002**, 241, 139-144	4.2	29
42	Fertilizer Phosphorus Recovery from Gypsum-Amended, Reclaimed Calcareous Marsh Soils. *Arid Land Research and Management*, **2002**, 16, 319-334	1.8	29
41	Predicting the incidence of iron chlorosis in calcareous soils of southern Spain. *Communications in Soil Science and Plant Analysis*, **1992**, 23, 399-416	1.5	28
40	Calcium- and iron-related phosphorus in calcareous and calcareous marsh soils: Sequential chemical fractionation and 31p nuclear magnetic resonance study. *Communications in Soil Science and Plant Analysis*, **2000**, 31, 2483-2499	1.5	24
39	Testing the ability of vivianite to prevent iron deficiency in pot-grown grapevine. *Scientia Horticulturae*, **2010**, 123, 464-468	4.1	23

38	The reactivity of carbonates in selected soils of southern Spain. *Geoderma*, **1992**, 52, 149-160	6.7	23
37	Redefining the dose of the entomopathogenic fungus Metarhizium brunneum (Ascomycota, Hypocreales) to increase Fe bioavailability and promote plant growth in calcareous and sandy soils. *Plant and Soil*, **2017**, 418, 387-404	4.2	22
36	Calculation of threshold Olsen P values for fertilizer response from soil properties. *Agronomy for Sustainable Development*, **2016**, 36, 1	6.8	21
35	Iron(III) Reduction in Anaerobically Incubated Suspensions of Highly Calcareous Agricultural Soils. *Soil Science Society of America Journal*, **2011**, 75, 2136-2146	2.5	19
34	Application of synthetic siderite (FeCO3) to the soil is capable of alleviating iron chlorosis in olive trees. *Scientia Horticulturae*, **2012**, 138, 17-23	4.1	18
33	Limitations of the Olsen method to assess plant-available phosphorus in reclaimed marsh soils. *Soil Use and Management*, **2010**, 26, 133-140	3.1	18
32	The entomopathogenic fungus Metarhizium brunneum: a tool for alleviating Fe chlorosis. *Plant and Soil*, **2016**, 406, 295-310	4.2	18
31	Accuracy of Olsen P to assess plant P uptake in relation to soil properties and P forms. *Agronomy for Sustainable Development*, **2015**, 35, 1571-1579	6.8	17
30	Evaluation of preflooding effects on iron extractability and phytoavailability in highly calcareous soil in containers. *Journal of Plant Nutrition and Soil Science*, **2014**, 177, 150-158	2.3	17
29	A Rapid Acid-Oxalate Extraction Procedure for the Determination of Active Fe-oxide Forms in Calcareous Soils. *Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science*, **1992**, 155, 437-440		17
28	Phosphorus reduces the zinc concentration in cereals pot-grown on calcareous Vertisols from southern Spain. *Journal of the Science of Food and Agriculture*, **2017**, 97, 3427-3432	4.3	16
27	Critical Olsen P and CaCl2-P levels as related to soil properties: results from micropot experiments. *Soil Use and Management*, **2015**, 31, 233-240	3.1	16
26	Soil Properties Influencing Iron Chlorosis in Grapevines Grown in the Montilla-Moriles Area, Southern Spain. *Communications in Soil Science and Plant Analysis*, **2006**, 37, 1723-1729	1.5	16
25	Temporary flooding increases iron phytoavailability in calcareous Vertisols and Inceptisols. *Plant and Soil*, **2005**, 266, 195-203	4.2	14
24	Reflectance spectroscopy: a tool for predicting soil properties related to the incidence of Fe chlorosis. *Spanish Journal of Agricultural Research*, **2012**, 10, 1133	1.1	14
23	Pot evaluation of synthetic nanosiderite for the prevention of iron chlorosis. *Journal of the Science of Food and Agriculture*, **2012**, 92, 1964-73	4.3	13
22	Phosphate aggravates iron chlorosis in sensitive plants grown on model calcium carbonate–iron oxide systems. *Plant and Soil*, **2013**, 373, 31-42	4.2	12
21	Phosphorus-induced zinc deficiency in wheat pot-grown on noncalcareous and calcareous soils of different properties. *Archives of Agronomy and Soil Science*, **2019**, 65, 208-223	2	11

20	The Olsen P/solution P relationship as affected by soil properties. *Soil Use and Management*, **2014**, 30, 454-462	3.1	10
19	Plant growth responses to biochar amendment of Mediterranean soils deficient in iron and phosphorus. *Journal of Plant Nutrition and Soil Science*, **2015**, 178, 567-575	2.3	10
18	The severity of iron chlorosis in sensitive plants is related to soil phosphorus levels. *Journal of the Science of Food and Agriculture*, **2014**, 94, 2766-73	4.3	10
17	Iron deficiency symptoms in grapevine as affected by the iron oxide and carbonate contents of model substrates. *Plant and Soil*, **2009**, 322, 293-302	4.2	10
16	Predicting the Incidence of Iron Deficiency Chlorosis from Hydroxylamine-Extractable Iron in Soil. *Soil Science Society of America Journal*, **2008**, 72, 1493-1499	2.5	8
15	Soil Nutrients Effects on the Performance of Durum Wheat Inoculated with Entomopathogenic Fungi. *Agronomy*, **2020**, 10, 589	3.6	5
14	Iron chlorosis in field grown olive as affected by phosphorus fertilization. *European Journal of Agronomy*, **2013**, 51, 101-107	5	5
13	Extraction with 0.01 m CaCl2 underestimates the concentration of phosphorus in the soil solution. *Soil Use and Management*, **2014**, 30, n/a-n/a	3.1	5
12	Organic acids alleviate iron chlorosis in chickpea grown on two p-fertilized soils. *Journal of Soil Science and Plant Nutrition*, **2014**, 35-46	3.2	5
11	Short communication: Predicting cation exchange capacity from hygroscopic moisture in agricultural soils of Western Europe. *Spanish Journal of Agricultural Research*, **2015**, 13, e11SC01	1.1	5
10	Fe deficiency induction in Poncirus trifoliata rootstock growing in nutrient solution changes its performance after transplant to soil. *Scientia Horticulturae*, **2015**, 182, 102-109	4.1	4
9	Effects of entomopathogenic fungi on growth and nutrition in wheat grown on two calcareous soils: Influence of the fungus application method. *Annals of Applied Biology*, **2020**, 177, 26-40	2.6	4
8	Phosphorus losses from two representative small catchments in the Mediterranean part of Spain. *Journal of Soils and Sediments*, **2013**, 13, 1369-1377	3.4	4
7	Systematic bias in measuring intensities by selective extraction of bulked samples. *Communications in Soil Science and Plant Analysis*, **1996**, 27, 1829-1841	1.5	4
6	Combining P and Zn fertilization to enhance yield and grain quality in maize grown on Mediterranean soils. *Scientific Reports*, **2021**, 11, 7427	4.9	4
5	Zinc biofortification strategies for wheat grown on calcareous Vertisols in southern Spain: application method and rate. *Plant and Soil*, **2021**, 462, 125-140	4.2	3
4	Designing an accompanying ecosystem to foster entrepreneurship among agronomic and forestry engineering students. Opinion and commitment of university lecturers. *European Journal of Engineering Education*, **2016**, 41, 393-410	1.5	2
3	Lowering iron chlorosis of olive by soil application of iron sulfate or siderite. *Agronomy for Sustainable Development*, **2013**, 34, 677	6.8	1

2	Wheat and Maize Grown on Two Contrasting Zinc-deficient Calcareous Soils Respond Differently to Soil and Foliar Application of Zinc. *Journal of Soil Science and Plant Nutrition*,1	3.2	0
1	Optimum Olsen Phosphorus/Zinc ratio for the initial growth of maize in agricultural soils of the Mediterranean region. *Journal of the Science of Food and Agriculture*, **2021**, 101, 3056-3064	4.3	