

Antonio Delgado

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86
papers

1,807
citations

25
h-index

38
g-index

88
ext. papers

2,069
ext. citations

4.1
avg. IF

4.92
L-index

#	Paper	IF	Citations
86	Phosphorus fertilizer recovery from calcareous soils amended with humic and fulvic acids. <i>Plant and Soil</i> , 2002 , 245, 277-286	4.2	114
85	Phosphorus Forms and Desorption Patterns in Heavily Fertilized Calcareous and Limed Acid Soils. <i>Soil Science Society of America Journal</i> , 2000 , 64, 2031-2037	2.5	85
84	Aspects of phosphorus transfer from soils in Europe. <i>Journal of Plant Nutrition and Soil Science</i> , 2008 , 171, 552-575	2.3	82
83	Effect of <i>Trichoderma asperellum</i> strain T34 on iron, copper, manganese, and zinc uptake by wheat grown on a calcareous medium. <i>Plant and Soil</i> , 2011 , 342, 97-104	4.2	71
82	European soils overfertilized with phosphorus: Part 1. Basic properties. <i>Fertilizer Research</i> , 1996 , 45, 199-207		66
81	Effect of <i>Trichoderma asperellum</i> strain T34 and glucose addition on iron nutrition in cucumber grown on calcareous soils. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 598-605	7.5	57
80	Phosphate-rich soils in the European Union: estimating total plant-available phosphorus. <i>European Journal of Agronomy</i> , 1997 , 6, 205-214	5	54
79	The cumulative effect of three decades of phosphogypsum amendments in reclaimed marsh soils from SW Spain: (226)Ra, (238)U and Cd contents in soils and tomato fruit. <i>Science of the Total Environment</i> , 2008 , 403, 80-8	10.2	50
78	Predicting Iron Chlorosis of Lupin in Calcareous Spanish Soils from Iron Extracts. <i>Soil Science Society of America Journal</i> , 2006 , 70, 1945-1950	2.5	44
77	Effect of Soil Properties and Reclamation Practices on Phosphorus Dynamics in Reclaimed Calcareous Marsh Soils from the Guadalquivir Valley, SW Spain. <i>Arid Land Research and Management</i> , 2001 , 15, 203-221	1.8	42
76	Using phosphorus concentration in the soil solution to predict phosphorus desorption to water. <i>Journal of Environmental Quality</i> , 2001 , 30, 1829-35	3.4	42
75	Soil chemical and biochemical properties of a salt-marsh alluvial Spanish area after long-term reclamation. <i>Biology and Fertility of Soils</i> , 2009 , 45, 691-700	6.1	39
74	Effect of <i>Trichoderma asperellum</i> strain T34 on iron nutrition in white lupin. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 2453-2459	7.5	37
73	Evaluation and correction of nutrient availability to <i>Gerbera jamesonii</i> H. Bolus in various compost-based growing media. <i>Scientia Horticulturae</i> , 2009 , 122, 244-250	4.1	37
72	Effect of ammonium/nitrate ratio in nutrient solution on control of <i>Fusarium</i> wilt of tomato by <i>Trichoderma asperellum</i> T34. <i>Plant Pathology</i> , 2012 , 61, 132-139	2.8	36
71	A comparison of two variable intensity rainfall simulators for runoff studies. <i>Soil and Tillage Research</i> , 2010 , 107, 11-16	6.5	35
70	Phosphogypsum amendment effect on radionuclide content in drainage water and marsh soils from southwestern Spain. <i>Journal of Environmental Quality</i> , 2003 , 32, 1262-8	3.4	35

69	Long-term effects of tillage on the availability of iron, copper, manganese, and zinc in a Spanish Vertisol. <i>Soil and Tillage Research</i> , 2008 , 98, 200-207	6.5	32
68	The elusive role of soil quality in nutrient cycling: a review. <i>Soil Use and Management</i> , 2016 , 32, 476-486	3.1	32
67	Phosphorus Fractions and Release Patterns in Typical Mediterranean Soils. <i>Soil Science Society of America Journal</i> , 2005 , 69, 607-615	2.5	31
66	Effects of Tillage on Phosphorus Release Potential in a Spanish Vertisol. <i>Soil Science Society of America Journal</i> , 2007 , 71, 56-63	2.5	30
65	Significance of Phosphorus for Agriculture and the Environment in the West Asia and North Africa Region. <i>Advances in Agronomy</i> , 2012 , 91-153	7.7	29
64	Fertilizer Phosphorus Recovery from Gypsum-Amended, Reclaimed Calcareous Marsh Soils. <i>Arid Land Research and Management</i> , 2002 , 16, 319-334	1.8	29
63	Occupational dosimetric assessment (inhalation pathway) from the application of phosphogypsum in agriculture in South West Spain. <i>Journal of Environmental Radioactivity</i> , 2009 , 100, 29-34	2.4	27
62	Implications for food safety of the uptake by tomato of 25 trace-elements from a phosphogypsum amended soil from SW Spain. <i>Journal of Hazardous Materials</i> , 2014 , 266, 122-31	12.8	26
61	A Global Perspective on Integrated Strategies to Manage Soil Phosphorus Status for Eutrophication Control without Limiting Land Productivity. <i>Journal of Environmental Quality</i> , 2019 , 48, 1234-1246	3.4	25
60	Calcium- and iron-related phosphorus in calcareous and calcareous marsh soils: Sequential chemical fractionation and ³¹ P nuclear magnetic resonance study. <i>Communications in Soil Science and Plant Analysis</i> , 2000 , 31, 2483-2499	1.5	24
59	Transfer of Cd, Pb, Ra and U from Phosphogypsum Amended Soils to Tomato Plants. <i>Water, Air, and Soil Pollution</i> , 2009 , 203, 65-77	2.6	23
58	Evaluation of Soil Nitrate as a Predictor of Nitrogen Requirement for Sugar Beet Grown in a Mediterranean Climate. <i>Agronomy Journal</i> , 2004 , 96, 18	2.2	23
57	Assessment of Benefits of Conservation Agriculture on Soil Functions in Arable Production Systems in Europe. <i>Sustainability</i> , 2018 , 10, 794	3.6	21
56	Phosphorus Loss in Tile Drains from a Reclaimed Marsh Soil Amended with Manure and Phosphogypsum. <i>Nutrient Cycling in Agroecosystems</i> , 2006 , 74, 191-202	3.3	21
55	Calculation of threshold Olsen P values for fertilizer response from soil properties. <i>Agronomy for Sustainable Development</i> , 2016 , 36, 1	6.8	21
54	Effect of various microorganisms on phosphorus uptake from insoluble Ca-phosphates by cucumber plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2016 , 179, 454-465	2.3	19
53	Impact of gold-mining activity on trace elements enrichment in the West African estuaries: The case of Pra and Ankobra rivers with the Volta estuary (Ghana) as the reference. <i>Journal of Geochemical Exploration</i> , 2018 , 190, 229-244	3.8	18
52	Limitations of the Olsen method to assess plant-available phosphorus in reclaimed marsh soils. <i>Soil Use and Management</i> , 2010 , 26, 133-140	3.1	18

51	Effects of humic substances on iron nutrition of lupin. <i>Biology and Fertility of Soils</i> , 2007 , 43, 829-836	6.1	18
50	Iron Chlorosis in Gerber as Related to Properties of Various Types of Compost used as Growing Media. <i>Communications in Soil Science and Plant Analysis</i> , 2007 , 38, 2357-2369	1.5	18
49	Effect of <i>Bacillus subtilis</i> on phosphorus uptake by cucumber as affected by iron oxides and the solubility of the phosphorus source. <i>Agricultural and Food Science</i> , 2016 , 25,	2	18
48	Soil fertility assessment by Vis-NIR spectroscopy: Predicting soil functioning rather than availability indices. <i>Geoderma</i> , 2019 , 337, 368-374	6.7	18
47	Accuracy of Olsen P to assess plant P uptake in relation to soil properties and P forms. <i>Agronomy for Sustainable Development</i> , 2015 , 35, 1571-1579	6.8	17
46	Iron-related phosphorus in eroded sediments from agricultural soils of Mediterranean areas. <i>Geoderma</i> , 2005 , 125, 1-9	6.7	17
45	COMPARISON OF SOIL EXTRACTION PROCEDURES FOR ESTIMATING PHOSPHORUS RELEASE POTENTIAL OF AGRICULTURAL SOILS. <i>Communications in Soil Science and Plant Analysis</i> , 2001 , 32, 87-105	1.5	16
44	A GIS-based quality assessment model for olive tree irrigation water in southern Spain. <i>Agricultural Water Management</i> , 2015 , 148, 232-240	5.9	15
43	Plant uptake of phosphorus from sparingly available P- sources as affected by <i>Trichoderma asperellum</i> T34. <i>Agricultural and Food Science</i> , 2015 , 24, 249-260	2	15
42	The release of phosphorus from heavily fertilized soils to dilute electrolytes: effect of soil properties. <i>Agronomy for Sustainable Development</i> , 1999 , 19, 395-404		15
41	Estimation of total plant available phosphorus in representative soils from Mediterranean areas. <i>Geoderma</i> , 2017 , 297, 10-18	6.7	14
40	Soil Quality Indicators as Affected by Shallow Tillage in a Vineyard Grown in a Semiarid Mediterranean Environment. <i>Land Degradation and Development</i> , 2017 , 28, 1038-1046	4.4	14
39	Factors determining Zn availability and uptake by plants in soils developed under Mediterranean climate. <i>Geoderma</i> , 2020 , 376, 114509	6.7	13
38	Drain flow and related salt losses as affected by phosphogypsum amendment in reclaimed marsh soils from SW Spain. <i>Geoderma</i> , 2011 , 161, 43-49	6.7	12
37	Humic substances increase the effectiveness of iron sulfate and Vivianite preventing iron chlorosis in white lupin. <i>Biology and Fertility of Soils</i> , 2008 , 44, 875-883	6.1	12
36	Best management irrigation practices assessed by a GIS-based decision tool for reducing salinization risks in olive orchards. <i>Agricultural Water Management</i> , 2018 , 202, 33-41	5.9	11
35	Zinc Uptake by Plants as Affected by Fertilization with Zn Sulfate, Phosphorus Availability, and Soil Properties. <i>Agronomy</i> , 2021 , 11, 390	3.6	11
34	A GIS-based decision tool for reducing salinization risks in olive orchards. <i>Agricultural Water Management</i> , 2016 , 166, 33-41	5.9	10

33	Phosphorus in soils and its transfer to water: from fine-scale soil processes to models and solutions in landscapes and catchments. <i>Soil Use and Management</i> , 2013 , 29, 1-5	3.1	10
32	Automated Modification of the Molybdenum Blue Colorimetric Method for Phosphorus Determination in Soil Extracts. <i>Communications in Soil Science and Plant Analysis</i> , 2008 , 39, 2250-2257	1.5	10
31	Olive Husk Compost Improves the Quality of Intensively Cultivated Agricultural Soils. <i>Land Degradation and Development</i> , 2016 , 27, 449-459	4.4	10
30	Bacillus subtilis QST713 and cellulose amendment enhance phosphorus uptake while improving zinc biofortification in wheat. <i>Applied Soil Ecology</i> , 2019 , 142, 81-89	5	9
29	FertiliCalc: A Decision Support System for Fertilizer Management. <i>International Journal of Plant Production</i> , 2020 , 14, 299-308	2.4	9
28	Relationship of soil fertility to biochemical properties under agricultural practices aimed at controlling land degradation. <i>Land Degradation and Development</i> , 2019 , 30, 1121-1129	4.4	8
27	Organic Phosphorus Forms in Agricultural Soils under Mediterranean Climate. <i>Soil Science Society of America Journal</i> , 2018 , 82, 783-795	2.5	8
26	Predicting the Incidence of Iron Deficiency Chlorosis from Hydroxylamine-Extractable Iron in Soil. <i>Soil Science Society of America Journal</i> , 2008 , 72, 1493-1499	2.5	8
25	Effect of Bacillus subtilis QST713 and Trichoderma asperellum T34 on P uptake by wheat and how it is modulated by soil properties. <i>Journal of Soils and Sediments</i> , 2018 , 18, 727-738	3.4	7
24	Effectiveness of mixtures of vivianite and organic materials in preventing iron chlorosis in strawberry. <i>Spanish Journal of Agricultural Research</i> , 2013 , 11, 208	1.1	7
23	ADVERSE EFFECTS OF HUMIC SUBSTANCES FROM DIFFERENT ORIGIN ON LUPIN AS RELATED TO IRON SOURCES. <i>Journal of Plant Nutrition</i> , 2010 , 33, 143-156	2.3	6
22	Phosphorus Forms in Overland Flow from Agricultural Soils Representative of Mediterranean Areas. <i>Communications in Soil Science and Plant Analysis</i> , 2006 , 37, 1833-1844	1.5	6
21	Photochemical emission and fixation of NO gases in soils. <i>Science of the Total Environment</i> , 2020 , 702, 134982	10.2	6
20	A Decision Support Model for Assessing the Water Regulation and Purification Potential of Agricultural Soils Across Europe. <i>Frontiers in Sustainable Food Systems</i> , 2020 , 4,	4.8	6
19	A GIS-based tool for integrated management of clogging risk and nitrogen fertilization in drip irrigation. <i>Agricultural Water Management</i> , 2017 , 184, 86-95	5.9	5
18	Shifts in microbial community structure influence the availability of Fe and other micronutrients to lupin (<i>Lupinus albus</i> L.). <i>Applied Soil Ecology</i> , 2019 , 144, 42-50	5	5
17	Incidence of Cotton Seedling Diseases Caused by <i>Rhizoctonia solani</i> and <i>Thielaviopsis basicola</i> in Relation to Previous Crop, Residue Management and Nutrients Availability in Soils in SW Spain. <i>Journal of Phytopathology</i> , 2005 , 153, 710-714	1.8	5
16	The determination of total phosphorus improves the accuracy of the bicarbonate extraction as an availability index. <i>Soil Use and Management</i> , 2019 , 35, 346-354	3.1	5

15	The adsorbent capacity of growing media does not constrain myo-inositol hexakiphosphate hydrolysis but its use as a phosphorus source by plants. <i>Plant and Soil</i> , 2021 , 459, 277-288	4.2	5
14	Phosphorus losses from two representative small catchments in the Mediterranean part of Spain. <i>Journal of Soils and Sediments</i> , 2013 , 13, 1369-1377	3.4	4
13	Nitrate loss from a tile-drained reclaimed marsh soil from SW Spain amended with different products. <i>Nutrient Cycling in Agroecosystems</i> , 2011 , 91, 255-267	3.3	4
12	Evaluation of Soil Nitrate as a Predictor of Nitrogen Requirement for Sugar Beet Grown in a Mediterranean Climate. <i>Agronomy Journal</i> , 2004 , 96, 18-25	2.2	4
11	Interaction between beet vinasse and iron fertilisers in the prevention of iron deficiency in lupins. <i>Journal of the Science of Food and Agriculture</i> , 2010 , 90, 2188-94	4.3	3
10	Development of a recording water flow meter using ultrasonic measurement of water levels in a slotted U-pipe. <i>Agricultural Water Management</i> , 2007 , 88, 263-268	5.9	3
9	Phosphogypsum amendments and irrigation with acidulated water affect tomato nutrition in reclaimed marsh soils from SW Spain. <i>Spanish Journal of Agricultural Research</i> , 2014 , 12, 809	1.1	3
8	Fertilizers 2016 , 321-339		3
7	Fertilization with Phosphorus, Potassium and Other Nutrients 2016 , 381-405		3
6	Iron availability thresholds for the inoculation of cucumber with <i>Trichoderma asperellum</i> T34. <i>Journal of Plant Nutrition and Soil Science</i> , 2013 , 176, 867-875	2.3	2
5	Nitrogen Fertilization I: The Nitrogen Balance 2016 , 341-368		1
4	Nitrogen Fertilization II: Fertilizer Requirements 2016 , 369-380		1
3	Relief and calcium from gypsum as key factors for net inorganic carbon accumulation in soils of a semiarid Mediterranean environment. <i>Geoderma</i> , 2021 , 398, 115115	6.7	1
2	Early production of strawberry in aquaponic systems using commercial hydroponic bands. <i>Aquacultural Engineering</i> , 2022 , 97, 102242	3	1
1	Soil properties modulate the effect of different carbon amendments on growth and phosphorus uptake by cucumber plant. <i>Spanish Journal of Agricultural Research</i> , 2022 , 20, e1101-e1101	1.1	