

Consuelo Arellano

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.

83

papers

1,219

citations

19

h-index

31

g-index

88

ext. papers

1,482

ext. citations

2.8

avg, IF

4.54

L-index

#	Paper	IF	Citations
83	Rolled Rye Mulch for Weed Suppression in Organic No-Tillage Soybeans. <i>Weed Science</i> , 2011 , 59, 224-231	1.7	82
82	286 Effects of dietary peroxidized lipids and antioxidant supplementation in the drinking water on growth, oxidative and immune status of newly weaned piglets. <i>Journal of Animal Science</i> , 2019 , 97, 119-119	0.7	78
81	Mapping resistance quantitative trait Loci for three foliar diseases in a maize recombinant inbred line population-evidence for multiple disease resistance?. <i>Phytopathology</i> , 2010 , 100, 72-9	3.8	73
80	Effects of Production Practices on Soil-Borne Entomopathogens in Western North Carolina Vegetable Systems. <i>Environmental Entomology</i> , 2002 , 31, 84-91	2.1	69
79	Upper thermal tolerances of early life stages of freshwater mussels. <i>Journal of the North American Benthological Society</i> , 2010 , 29, 959-969		56
78	Species composition of bacterial communities influences attraction of mosquitoes to experimental plant infusions. <i>Microbial Ecology</i> , 2010 , 59, 158-73	4.4	54
77	Trichothecene genotypes of <i>Gibberella zeae</i> from winter wheat fields in the eastern USA. <i>Plant Pathology</i> , 2011 , 60, 909-917	2.8	53
76	Heritability and Resource Allocation of Aluminum Tolerance Derived from Soybean PI 416937. <i>Crop Science</i> , 1998 , 38, 513-522	2.4	38
75	Host plant direct defence against eggs of its specialist herbivore, <i>Heliothis subflexa</i> . <i>Ecological Entomology</i> , 2011 , 36, 700-708	2.1	34
74	Use of selection with recurrent backcrossing and QTL mapping to identify loci contributing to southern leaf blight resistance in a highly resistant maize line. <i>Theoretical and Applied Genetics</i> , 2009 , 118, 911-25	6	34
73	<i>Fusarium graminearum</i> infection and deoxynivalenol concentrations during development of wheat spikes. <i>Phytopathology</i> , 2013 , 103, 460-71	3.8	32
72	Analysis of quantitative disease resistance to southern leaf blight and of multiple disease resistance in maize, using near-isogenic lines. <i>Theoretical and Applied Genetics</i> , 2012 , 124, 433-45	6	31
71	Virulence Differences in <i>Blumeria graminis</i> f. sp. <i>tritici</i> from the Central and Eastern United States. <i>Phytopathology</i> , 2018 , 108, 402-411	3.8	30
70	Comparison of the Effects of Metamitron on Chlorophyll Fluorescence and Fruit Set in Apple and Peach. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012 , 47, 509-514	2.4	29
69	Altricial development in subsocial wood-feeding cockroaches. <i>Zoological Science</i> , 2008 , 25, 1190-8	0.8	28
68	Analysis of Genotype x Environment Interaction (GE) Using SAS Programming. <i>Agronomy Journal</i> , 2016 , 108, 1838-1852	2.2	28
67	In situ chemical functionalization of gallium nitride with phosphonic acid derivatives during etching. <i>Langmuir</i> , 2014 , 30, 2038-46	4	26

66	Novel field assays and the comparative repellency of BioUD(□) , DEET and permethrin against <i>Amblyomma americanum</i> . <i>Medical and Veterinary Entomology</i> , 2011 , 25, 217-26	2.4	26
65	A protocol to assess heat tolerance in a segregating population of raspberry using chlorophyll fluorescence. <i>Scientia Horticulturae</i> , 2011 , 130, 524-530	4.1	22
64	Oviposition responses of <i>Aedes</i> mosquitoes to bacterial isolates from attractive bamboo infusions. <i>Parasites and Vectors</i> , 2015 , 8, 486	4	19
63	Profitability of Integrated Management of Fusarium Head Blight in North Carolina Winter Wheat. <i>Phytopathology</i> , 2016 , 106, 814-23	3.8	18
62	Effect of wheat infection timing on Fusarium head blight causal agents and secondary metabolites in grain. <i>International Journal of Food Microbiology</i> , 2019 , 290, 214-225	5.8	18
61	Responses of <i>Amblyomma americanum</i> and <i>Dermacentor variabilis</i> to odorants that attract haematophagous insects. <i>Medical and Veterinary Entomology</i> , 2013 , 27, 86-95	2.4	17
60	Sow and litter response to supplemental dietary fat in lactation diets during high ambient temperatures. <i>Journal of Animal Science</i> , 2012 , 90, 550-9	0.7	15
59	Genetic dissection of the maize (<i>Zea mays</i> L.) MAMP response. <i>Theoretical and Applied Genetics</i> , 2017 , 130, 1155-1168	6	14
58	Assessing the effectiveness of the Pesticides and Farmworker Health Toolkit: a curriculum for enhancing farmworkers' understanding of pesticide safety concepts. <i>Journal of Agromedicine</i> , 2014 , 19, 96-102	1.9	14
57	Heart rate as a sublethal indicator of thermal stress in juvenile freshwater mussels. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009 , 154, 347-52	2.6	14
56	A SNP-based high-density linkage map of zoysiagrass (<i>Zoysia japonica</i> Steud.) and its use for the identification of QTL associated with winter hardiness. <i>Molecular Breeding</i> , 2018 , 38, 1	3.4	13
55	Ball Diamonds as Habitat for Nests of <i>Cerceris fumipennis</i> (Hymenoptera: Crabronidae): Comparisons among Three States. <i>Journal of the Kansas Entomological Society</i> , 2012 , 85, 219-225	0.5	13
54	Bottom-up effects mediated by an organic soil amendment on the cabbage aphid pests <i>Myzus persicae</i> and <i>Brevicoryne brassicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2011 , 139, 111-119	2.1	11
53	Effect of temperature and resistance of tobacco cultivars to the progression of bacterial wilt, caused by <i>Ralstonia solanacearum</i> . <i>Plant and Soil</i> , 2016 , 408, 299-310	4.2	10
52	Development of prediction equations to estimate the apparent digestible energy content of lipids when fed to lactating sows. <i>Journal of Animal Science</i> , 2015 , 93, 1165-76	0.7	10
51	Agronomic Effects of Mutations in Two Soybean $\Delta 5$ Stearoyl-Acyl Carrier Protein-Desaturases. <i>Crop Science</i> , 2013 , 53, 1887-1893	2.4	9
50	Kinase detection with gallium nitride based high electron mobility transistors. <i>Applied Physics Letters</i> , 2013 , 103, 13701	3.4	9
49	High Levels of Heritable Resistance to Potato Leafroll Virus (PLRV) in <i>Solanum tuberosum</i> subsp. <i>andigena</i> . <i>Crop Science</i> , 2007 , 47, 1091-1103	2.4	9

48	Impacts of Switchgrass-Loblolly Pine Intercropping on Soil Physical Properties of a Drained Forest. <i>Transactions of the ASABE</i> , 2015 , 58, 1573-1583	0.9	8
47	Feeding disruption tests for monitoring the frequency of larval lepidopteran resistance to Cry1Ac, Cry1F and Cry1Ab. <i>Crop Protection</i> , 2011 , 30, 863-870	2.7	8
46	Bushkiller (<i>Cayratia japonica</i>) Growth in Interspecific and Intraspecific Competition. <i>Weed Science</i> , 2010 , 58, 195-198	2	8
45	AlGaIn/GaN field effect transistors functionalized with recognition peptides. <i>Applied Physics Letters</i> , 2014 , 105, 134103	3.4	7
44	TESTING FOR TREND STATIONARITY VERSUS DIFFERENCE STATIONARITY. <i>Journal of Time Series Analysis</i> , 1995 , 16, 147-164	0.8	7
43	Assessing freeze-tolerance in St. Augustinegrass: temperature response and evaluation methods. <i>Euphytica</i> , 2017 , 213, 1	2.1	6
42	Shade response of bermudagrass accessions under different management practices. <i>Urban Forestry and Urban Greening</i> , 2017 , 26, 169-177	5.4	6
41	Effect of controlled drainage on nitrogen fate and transport for a subsurface drained grass field receiving liquid swine lagoon effluent. <i>Agricultural Water Management</i> , 2019 , 217, 440-451	5.9	6
40	Effects of forest-based bioenergy feedstock production on shallow groundwater quality of a drained forest soil. <i>Science of the Total Environment</i> , 2018 , 631-632, 13-22	10.2	6
39	Parental social environment alters development of nutritionally independent nymphs in <i>Cryptocercus punctulatus</i> (Dictyoptera: Cryptocercidae). <i>Behavioral Ecology and Sociobiology</i> , 2016 , 70, 881-887	2.5	6
38	Linkage analysis and identification of quantitative trait loci associated with freeze tolerance and turf quality traits in St. Augustinegrass. <i>Molecular Breeding</i> , 2018 , 38, 1	3.4	6
37	Proof of concept for a novel insecticide bioassay based on sugar feeding by adult <i>Aedes aegypti</i> (<i>Stegomyia aegypti</i>). <i>Medical and Veterinary Entomology</i> , 2013 , 27, 284-97	2.4	6
36	Effects of Ozone on Reproduction of Twospotted Spider Mite (Acari: Tetranychidae) on White Clover. <i>Environmental Entomology</i> , 1998 , 27, 388-394	2.1	6
35	Managing Fusarium Head Blight in Winter Barley With Cultivar Resistance and Fungicide. <i>Plant Disease</i> , 2019 , 103, 1858-1864	1.5	5
34	Pre-treatment of biomasses using magnetised sulfonic acid catalysts. <i>Journal of Agricultural Engineering</i> , 2017 , 48, 117	1.3	5
33	Impacts of forest-based bioenergy feedstock production on soil nitrogen cycling. <i>Forest Ecology and Management</i> , 2018 , 419-420, 227-239	3.9	5
32	Effects of overexpression of jasmonic acid biosynthesis genes on nicotine accumulation in tobacco. <i>Plant Direct</i> , 2018 , 2, e00036	3.3	5
31	Sensitivity of the U.S. f. sp. Population to Demethylation Inhibitor Fungicides. <i>Plant Disease</i> , 2019 , 103, 3108-3116	1.5	5

30	Thermal tolerance of juvenile freshwater mussels (Unionidae) under the added stress of copper. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 691-9	3.8	5
29	Comparison of Dynamic Moduli for Asphalt Mixtures Determined from Different Geometries and Compactions. <i>Journal of Testing and Evaluation</i> , 2012 , 40, 104610	1	5
28	Genotypic and phenotypic diversity among <i>Lactobacillus plantarum</i> and <i>Lactobacillus pentosus</i> isolated from industrial scale cucumber fermentations. <i>Food Microbiology</i> , 2021 , 94, 103652	6	5
27	Regional and field-specific differences in <i>Fusarium</i> species and mycotoxins associated with blighted North Carolina wheat. <i>International Journal of Food Microbiology</i> , 2020 , 323, 108594	5.8	4
26	Soil and Foliar Arthropod Abundance and Diversity in Five Cropping Systems in the Coastal Plains of North Carolina. <i>Environmental Entomology</i> , 2017 , 46, 771-783	2.1	4
25	A Global Meta-Analysis to Predict Atrazine Sorption from Soil Properties. <i>Journal of Environmental Quality</i> , 2018 , 47, 1389-1399	3.4	4
24	Impacts on soil nitrogen availability of converting managed pine plantation into switchgrass monoculture for bioenergy. <i>Science of the Total Environment</i> , 2019 , 654, 1326-1336	10.2	3
23	Impact of Location, Cropping History, Tillage, and Chlorpyrifos on Soil Arthropods in Peanut. <i>Environmental Entomology</i> , 2015 , 44, 951-9	2.1	3
22	Performance of Regenerative Stormwater Conveyance on the Removal of Dissolved Pollutants: Field Scale Simulation Study. <i>Journal of Environmental Engineering, ASCE</i> , 2018 , 144, 04018039	2	3
21	Assessing freeze tolerance in St. Augustinegrass: II. acclimation treatment effects. <i>Euphytica</i> , 2017 , 213, 1	2.1	3
20	Yield Effects of Two Southern Leaf Blight Resistance Loci in Maize Hybrids. <i>Crop Science</i> , 2014 , 54, 882-894	2.4	3
19	Pretreatment of Switchgrass for Production of Glucose via Sulfonic Acid-Impregnated Activated Carbon. <i>Processes</i> , 2021 , 9, 504	2.9	3
18	A case for comprehensive analyses demonstrated by evaluating the yield benefits of neonicotinoid seed treatment in maize (<i>Zea mays</i> L.). <i>Crop Protection</i> , 2018 , 110, 171-182	2.7	3
17	Determining Normal Precipitation Ranges for Hydric Soil Assessments. <i>Soil Science Society of America Journal</i> , 2019 , 83, 503-510	2.5	2
16	Quantitative Trait Loci Associated with Gray Leaf Spot Resistance in St. Augustinegrass. <i>Plant Disease</i> , 2020 , 104, 2799-2806	1.5	2
15	RAPD Markers Linked to Late Blight Resistance in Tomato. <i>Nepal Journal of Science and Technology</i> , 2013 , 14, 1-14	0.8	2
14	Porcelain Berry (<i>Ampelopsis brevipedunculata</i>), Bushkiller (<i>Cayratia japonica</i>), and Virginia-Creeper (<i>Parthenocissus quinquefolia</i>) in Interspecific Competition. <i>Invasive Plant Science and Management</i> , 2013 , 6, 99-104	1	2
13	Need for improved risk communication of fish consumption advisories to protect maternal and child health: influence of primary informants. <i>International Journal of Environmental Research and Public Health</i> , 2013 , 10, 1720-34	4.6	2

12	Identification of South African Bermudagrass Germplasm with Shade Tolerance. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015 , 50, 1419-1425	2.4	2
11	Differences in proteome response to cold acclimation in <i>Zoysia japonica</i> cultivars with different levels of freeze tolerance. <i>Crop Science</i> , 2020 , 60, 2744-2756	2.4	2
10	Identification of QTL associated with cold acclimation and freezing tolerance in <i>Zoysia japonica</i> . <i>Crop Science</i> , 2021 , 61, 3044	2.4	2
9	Assessing the Feasibility of a Novel mHealth App in Hematopoietic Stem Cell Transplant Patients. <i>Transplantation and Cellular Therapy</i> , 2021 , 27, 181.e1-181.e9		2
8	Innovative sugar-insecticide feeding bioassay for adult female <i>Anopheles gambiae</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2013 , 50, 804-15	2.2	1
7	Classic indicators and diel dissolved oxygen vs. trend analysis in assessing eutrophication of potable-water reservoirs.. <i>Ecological Applications</i> , 2022 , e2541	4.9	1
6	Growth performance, oxidative stress, and antioxidant capacity of newly weaned piglets fed dietary peroxidized lipids with vitamin E or phytogetic compounds in drinking water. <i>Applied Animal Science</i> , 2020 , 36, 341-351	1.2	1
5	282 Impact of dietary peroxidized lipids and antioxidant supplementation in feed on growth performance and oxidative status of newly weaned piglets. <i>Journal of Animal Science</i> , 2019 , 97, 117-118 ^{0.7}		1
4	Certified Safe Farm Implementation in North Carolina: Hazards, Safety Improvements, and Economic Incentives. <i>Journal of Agromedicine</i> , 2018 , 23, 381-392	1.9	1
3	Identification of sources of resistance to gray leaf spot in <i>Stenotaphrum</i> germplasm. <i>Crop Science</i> , 2021 , 61, 3069	2.4	0
2	Molecular Markers for Septoria Leaf Spot (<i>Septoria lycopersicii</i> Speg.) Resistance in Tomato (<i>Solanum lycopersicum</i> L.). <i>Nepal Journal of Biotechnology</i> , 2015 , 3, 40-47	0.7	
1	Empirical evaluation of hand hygiene compliance. <i>American Journal of Medical Quality</i> , 2013 , 28, 81	1.1	