

# Consuelo Arellano

## List of Publications by Year in descending order

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85  
papers

1,578  
citations

304701

22  
h-index

377849

34  
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88  
all docs

88  
docs citations

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times ranked

2047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rolled Rye Mulch for Weed Suppression in Organic No-Tillage Soybeans. <i>Weed Science</i> , 2011, 59, 224-231.	1.5	101
2	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, 72-79.	2.2	87
3	Upper thermal tolerances of early life stages of freshwater mussels. <i>Journal of the North American Benthological Society</i> , 2010, 29, 959-969.	3.1	75
4	Effects of Production Practices on Soil-Borne Entomopathogens in Western North Carolina Vegetable Systems. <i>Environmental Entomology</i> , 2002, 31, 84-91.	1.4	74
5	Tricothecene genotypes of <i>Gibberella zeae</i> from winter wheat fields in the eastern USA. <i>Plant Pathology</i> , 2011, 60, 909-917.	2.4	64
6	Species Composition of Bacterial Communities Influences Attraction of Mosquitoes to Experimental Plant Infusions. <i>Microbial Ecology</i> , 2010, 59, 158-173.	2.8	60
7	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.	2.2	52
8	Host plant direct defence against eggs of its specialist herbivore, <i>Heliothis subflexa</i> . <i>Ecological Entomology</i> , 2011, 36, 700-708.	2.2	49
9	Heritability and Resource Allocation of Aluminum Tolerance Derived from Soybean PI 416937. <i>Crop Science</i> , 1998, 38, 513-522.	1.8	45
10	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, 433-445.	3.6	44
11	<i>Fusarium graminearum</i> Infection and Deoxynivalenol Concentrations During Development of Wheat Spikes. <i>Phytopathology</i> , 2013, 103, 460-471.	2.2	44
12	Analysis of Genotype × Environment Interaction (G×E) Using SAS Programming. <i>Agronomy Journal</i> , 2016, 108, 1838-1852.	1.8	43
13	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.	1.0	40
14	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, 911-925.	3.6	39
15	Effect of wheat infection timing on <i>Fusarium</i> head blight causal agents and secondary metabolites in grain. <i>International Journal of Food Microbiology</i> , 2019, 290, 214-225.	4.7	35
16	Altricial Development in Subsocial Wood-Feeding Cockroaches. <i>Zoological Science</i> , 2008, 25, 1190-1198.	0.7	32
17	Novel field assays and the comparative repellency of BioUD <sup>®</sup> , DEET and permethrin against <i>Amblyomma americanum</i> . <i>Medical and Veterinary Entomology</i> , 2011, 25, 217-226.	1.5	32
18	A protocol to assess heat tolerance in a segregating population of raspberry using chlorophyll fluorescence. <i>Scientia Horticulturae</i> , 2011, 130, 524-530.	3.6	30

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19	In Situ Chemical Functionalization of Gallium Nitride with Phosphonic Acid Derivatives during Etching. <i>Langmuir</i> , 2014, 30, 2038-2046.	3.5	27
20	Oviposition responses of <i>Aedes</i> mosquitoes to bacterial isolates from attractive bamboo infusions. <i>Parasites and Vectors</i> , 2015, 8, 486.	2.5	27
21	Profitability of Integrated Management of Fusarium Head Blight in North Carolina Winter Wheat. <i>Phytopathology</i> , 2016, 106, 814-823.	2.2	25
22	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.	1.5	24
23	Genetic dissection of the maize ( <i>Zea mays</i> L.) MAMP response. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1155-1168.	3.6	23
24	Sow and litter response to supplemental dietary fat in lactation diets during high ambient temperatures. <i>Journal of Animal Science</i> , 2012, 90, 550-559.	0.5	19
25	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.	3.7	19
26	Heart rate as a sublethal indicator of thermal stress in juvenile freshwater mussels. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2009, 154, 347-352.	1.8	18
27	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.	0.2	18
28	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.	1.5	18
29	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.	1.2	18
30	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.	4.7	17
31	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.	2.1	16
32	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.	1.4	14
33	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.	4.2	14
34	TESTING FOR TREND STATIONARITY VERSUS DIFFERENCE STATIONARITY. <i>Journal of Time Series Analysis</i> , 1995, 16, 147-164.	1.2	13
35	Shade response of bermudagrass accessions under different management practices. <i>Urban Forestry and Urban Greening</i> , 2017, 26, 169-177.	5.3	13
36	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.	5.6	13

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37	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.	0.5	12
38	Sensitivity of the U.S. <i>Blumeria graminis</i> f. sp. <i>tritici</i> Population to Demethylation Inhibitor Fungicides. <i>Plant Disease</i> , 2019, 103, 3108-3116.	1.4	12
39	Effects of overexpression of jasmonic acid biosynthesis genes on nicotine accumulation in tobacco. <i>Plant Direct</i> , 2018, 2, e00036.	1.9	11
40	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.	1.8	10
41	Thermal tolerance of juvenile freshwater mussels (Unionidae) under the added stress of copper. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 691-699.	4.3	10
42	Feeding disruption tests for monitoring the frequency of larval lepidopteran resistance to Cry1Ac, Cry1F and Cry1Ab. <i>Crop Protection</i> , 2011, 30, 863-870.	2.1	10
43	Kinase detection with gallium nitride based high electron mobility transistors. <i>Applied Physics Letters</i> , 2013, 103, 013701.	3.3	10
44	Managing Fusarium Head Blight in Winter Barley With Cultivar Resistance and Fungicide. <i>Plant Disease</i> , 2019, 103, 1858-1864.	1.4	10
45	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, 284-297.	1.5	9
46	Agronomic Effects of Mutations in Two Soybean $\Delta$ Stearoyl- $\Delta$ Acyl Carrier Protein $\Delta$ Desaturases. <i>Crop Science</i> , 2013, 53, 1887-1893.	1.8	9
47	AlGaN/GaN field effect transistors functionalized with recognition peptides. <i>Applied Physics Letters</i> , 2014, 105, 134103.	3.3	9
48	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.	1.4	9
49	Pretreatment of Switchgrass for Production of Glucose via Sulfonic Acid-Impregnated Activated Carbon. <i>Processes</i> , 2021, 9, 504.	2.8	9
50	Bushkiller ( <i>Cayratia japonica</i> ) Growth in Interspecific and Intraspecific Competition. <i>Weed Science</i> , 2010, 58, 195-198.	1.5	8
51	Yield Effects of Two Southern Leaf Blight Resistance Loci in Maize Hybrids. <i>Crop Science</i> , 2014, 54, 882-894.	1.8	8
52	Impacts of Switchgrass-Loblolly Pine Intercropping on Soil Physical Properties of a Drained Forest. <i>Transactions of the ASABE</i> , 2015, 58, 1573-1583.	1.1	8
53	Assessing freeze-tolerance in St. Augustinegrass: temperature response and evaluation methods. <i>Euphytica</i> , 2017, 213, 1.	1.2	8
54	Classic indicators and diel dissolved oxygen versus trend analysis in assessing eutrophication of potable water reservoirs. <i>Ecological Applications</i> , 2022, 32, e2541.	3.8	8

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55	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.	2.1	7
56	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.	1.8	7
57	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.	1.0	7
58	Effects of Ozone on Reproduction of Twospotted Spider Mite (Acari: Tetranychidae) on White Clover. <i>Environmental Entomology</i> , 1998, 27, 388-394.	1.4	6
59	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.	8.0	6
60	Performance of Regenerative Stormwater Conveyance on the Removal of Dissolved Pollutants: Field Scale Simulation Study. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, .	1.4	6
61	A Global Meta-Analysis to Predict Atrazine Sorption from Soil Properties. <i>Journal of Environmental Quality</i> , 2018, 47, 1389-1399.	2.0	6
62	RAPD Markers Linked to Late Blight Resistance in Tomato. <i>Nepal Journal of Science and Technology</i> , 2013, 14, 1-14.	0.2	5
63	Impact of Location, Cropping History, Tillage, and Chlorpyrifos on Soil Arthropods in Peanut. <i>Environmental Entomology</i> , 2015, 44, 951-959.	1.4	5
64	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.	1.4	5
65	Assessing freeze tolerance in St. Augustinegrass: II. acclimation treatment effects. <i>Euphytica</i> , 2017, 213, 1.	1.2	5
66	Pre-treatment of biomasses using magnetised sulfonic acid catalysts. <i>Journal of Agricultural Engineering</i> , 2017, 48, 117.	1.5	5
67	Impacts of forest-based bioenergy feedstock production on soil nitrogen cycling. <i>Forest Ecology and Management</i> , 2018, 419-420, 227-239.	3.2	5
68	Determining Normal Precipitation Ranges for Hydric Soil Assessments. <i>Soil Science Society of America Journal</i> , 2019, 83, 503-510.	2.2	5
69	Identification of QTL associated with cold acclimation and freezing tolerance in <i>Zoysia japonica</i> . <i>Crop Science</i> , 2021, 61, 3044-3055.	1.8	5
70	Comparison of Dynamic Moduli for Asphalt Mixtures Determined from Different Geometries and Compactions. <i>Journal of Testing and Evaluation</i> , 2012, 40, 1006-1014.	0.7	5
71	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, 1720-1734.	2.6	4
72	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.	8.0	4

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73	Quantitative Trait Loci Associated with Gray Leaf Spot Resistance in St. Augustinegrass. <i>Plant Disease</i> , 2020, 104, 2799-2806.	1.4	4
74	Sweetpotato Grown from Root Pieces Displays a Significant Genotype × Environment Interaction and Yield Instability. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 984-990.	1.0	4
75	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.	1.1	3
76	Molecular Markers for Septoria Leaf Spot ( <i>Septoria lycopersicii</i> Speg.) Resistance in Tomato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	3
77	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.	2.1	3
78	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	3
79	Innovative Sugar-Insecticide Feeding Bioassay for Adult Female &lt;l&gt;Anopheles gambiae&lt;/l&gt; (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2013, 50, 804-815.	1.8	2
80	Identification of sources of resistance to gray leaf spot in <i>Stenotaphrum</i> germplasm. <i>Crop Science</i> , 2021, 61, 3069.	1.8	2
81	Certified Safe Farm Implementation in North Carolina: Hazards, Safety Improvements, and Economic Incentives. <i>Journal of Agromedicine</i> , 2018, 23, 381-392.	1.5	1
82	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.	0.5	1
83	Variation in southern chinch bug ( <i>Blissus insularis</i> ) survival and damage on St. Augustinegrass germplasm. <i>Itsrsj</i> , 0, , .	0.3	1
84	Q-Tip: Empirical Evaluation of Hand Hygiene Compliance. <i>American Journal of Medical Quality</i> , 2013, 28, 81-81.	0.5	0
85	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.	0.5	0