

# Lincoln Zotarelli

## List of Publications by Year in Descending Order

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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.

71  
papers

1,189  
citations

18  
h-index

33  
g-index

123  
ext. papers

1,424  
ext. citations

2  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
71	Managing water table depth thresholds for potato subirrigation. <i>Agricultural Water Management</i> , <b>2022</b> , 259, 107236	5.9	0
70	Alleviating heat stress during early-season establishment of containerized strawberry transplants. <i>Journal of Berry Research</i> , <b>2022</b> , 12, 19-40	2	
69	Quantifying <i>Solanum chacoense</i> root morphology responses to limited nitrogen supply using in vitro, hydroponic, and field monolith methods. <i>American Journal of Potato Research</i> , <b>2021</b> , 98, 157-170	2.1	
68	A semianalytical solution of the modified two-dimensional diffusive root growth model. <i>Vadose Zone Journal</i> , <b>2021</b> , 20, e20132	2.7	
67	Impact of Early Potato Desiccation Method on Crop Growth, Skinning Injury, and Storage Quality Maintenance. <i>American Journal of Potato Research</i> , <b>2021</b> , 98, 218-231	2.1	1
66	Seed Piece Spacing for Early-Maturing Table-Stock Potato Grown under Subtropical Conditions. <i>American Journal of Potato Research</i> , <b>2021</b> , 98, 246-254	2.1	1
65	Soil compaction influences soil physical quality and soybean yield under long-term no-tillage. <i>Archives of Agronomy and Soil Science</i> , <b>2021</b> , 67, 383-396	2	12
64	Greenhouse Evaluation of Pinewood Biochar Effects on Nutrient Status and Physiological Performance in Muscadine Grape ( <i>Vitis rotundifolia</i> L.). <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2021</b> , 56, 277-285	2.4	1
63	Nitrogen Fertilizer Rate Affects Yield and Tuber Quality of Drip-Irrigated Tablestock Potatoes ( <i>Solanum tuberosum</i> L.) Grown under Subtropical Conditions. <i>American Journal of Potato Research</i> , <b>2020</b> , 97, 605-614	2.1	1
62	Accounting for spatial trends to increase the selection efficiency in potato breeding. <i>Crop Science</i> , <b>2020</b> , 60, 2354-2372	2.4	5
61	Determining water requirements for young peach trees in a humid subtropical climate. <i>Agricultural Water Management</i> , <b>2020</b> , 233, 106102	5.9	1
60	Water uptake dynamics for adult peach trees in a subtropical humid climate. <i>Scientia Horticulturae</i> , <b>2020</b> , 267, 109318	4.1	
59	Heat stress mitigation effects of kaolin and s-abscisic acid during the establishment of strawberry plug transplants. <i>Scientia Horticulturae</i> , <b>2020</b> , 267, 109276	4.1	2
58	Synthesis, characterization and agronomic use of alginate microspheres containing layered double hydroxides intercalated with borate. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10066-10075	3.6	5
57	Production Techniques for Strawberry Plugs in West-central Florida. <i>HortTechnology</i> , <b>2020</b> , 30, 238-247	1.3	1
56	Nitrogen Fertilizer Management and Cultivar Selection for Cabbage Production in the Southeastern United States. <i>HortTechnology</i> , <b>2020</b> , 30, 685-691	1.3	2
55	Methods for Strawberry Transplant Establishment in Florida. <i>Edis</i> , <b>2020</b> , 2020,	1.3	2

54	Layered double hydroxides intercalated with borate: effect of fertilization on boron leaching and successive sunflower cultivations. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10042-10049	3.6	1
53	Alginate beads containing layered double hydroxide intercalated with borate: a potential slow-release boron fertilizer for application in sandy soils. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 16965-16976	3.6	2
52	Selenium impedes cadmium and arsenic toxicity in potato by modulating carbohydrate and nitrogen metabolism. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 180, 588-599	7	54
51	Nitrogen Accumulation and Root Distribution of Grafted Tomato Plants as Affected by Nitrogen Fertilization. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2019</b> , 54, 1907-1914	2.4	2
50	Genetic Covariance of Environments in the Potato National Chip Processing Trial. <i>Crop Science</i> , <b>2019</b> , 59, 107-114	2.4	3
49	Ploidy level of citrus rootstocks affects the carbon and nitrogen metabolism in the leaves of Chromium-stressed Kinnow mandarin plants. <i>Environmental and Experimental Botany</i> , <b>2018</b> , 149, 70-80	5.9	10
48	Optimization of irrigation and N-fertilizer strategies for cabbage plasticulture system. <i>Scientia Horticulturae</i> , <b>2018</b> , 234, 323-334	4.1	4
47	Influence of El Niño-Southern oscillation (ENSO) on agroclimatic zoning for tomato in Mozambique. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 248, 316-328	5.8	11
46	Optimizing nitrogen fertilizer rates and time of application for potatoes under seepage irrigation. <i>Field Crops Research</i> , <b>2018</b> , 215, 49-58	5.5	26
45	Planting Dates and Transplant Establishment Methods on Early-yield Strawberry in West-central Florida. <i>HortTechnology</i> , <b>2018</b> , 28, 615-623	1.3	4
44	A Smart Irrigation Tool to Determine the Effects of ENSO on Water Requirements for Tomato Production in Mozambique. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1820	3	5
43	Irrigation method and application timing effect on potato nitrogen fertilizer uptake efficiency. <i>Nutrient Cycling in Agroecosystems</i> , <b>2018</b> , 112, 253-264	3.3	7
42	Economic Feasibility of Converting from a Bare Ground System with Seepage Irrigation to Plasticulture for Cabbage Production: Where is the Risk?. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2018</b> , 53, 875-881	2.4	0
41	Performance of the SUBSTOR-potato model across contrasting growing conditions. <i>Field Crops Research</i> , <b>2017</b> , 202, 57-76	5.5	48
40	Effects of water table management on least limiting water range and potato root growth. <i>Agricultural Water Management</i> , <b>2017</b> , 186, 1-11	5.9	18
39	High Levels of Heterozygosity Found for 15 SSR Loci in <i>Solanum chacoense</i> . <i>American Journal of Potato Research</i> , <b>2017</b> , 94, 638-646	2.1	9
38	Rooting Characteristics of <i>Solanum chacoense</i> and <i>Solanum tuberosum</i> in Vitro. <i>American Journal of Potato Research</i> , <b>2017</b> , 94, 588-598	2.1	5
37	An irrigation schedule testing model for optimization of the Smartirrigation avocado app. <i>Agricultural Water Management</i> , <b>2017</b> , 179, 390-400	5.9	14

36	Harvest Interval Has Greater Effect on Periderm Maturity and Storage Quality of Early-maturing, Tablestock Potato than Nitrogen Rate. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2017</b> , 52, 1390-1395	2.4	2
35	Defining biological thresholds associated to plant water status for monitoring water restriction effects: Stomatal conductance and photosynthesis recovery as key indicators in potato. <i>Agricultural Water Management</i> , <b>2016</b> , 177, 369-378	5.9	34
34	Commercial Evaluation of Seasonal Distribution of Nitrogen Fertilizer for Potato. <i>Potato Research</i> , <b>2016</b> , 59, 1-20	3.2	3
33	Soil moisture distribution under drip irrigation and seepage for potato production. <i>Agricultural Water Management</i> , <b>2016</b> , 169, 183-192	5.9	38
32	Fertilizer nitrogen uptake efficiencies for potato as influenced by application timing. <i>Nutrient Cycling in Agroecosystems</i> , <b>2016</b> , 104, 175-185	3.3	21
31	Impact of soil moisture and temperature on potato production using seepage and center pivot irrigation. <i>Agricultural Water Management</i> , <b>2016</b> , 165, 230-236	5.9	22
30	Use of the Nitrogen Index to assess nitrate leaching and water drainage from plastic-mulched horticultural cropping systems of Florida. <i>International Soil and Water Conservation Research</i> , <b>2016</b> , 4, 237-244	6.9	6
29	Cost-benefit Analysis of Cabbage Grown Using a Plasticulture and Seepage Bare Ground Production System in Florida. <i>HortTechnology</i> , <b>2016</b> , 26, 699-706	1.3	3
28	Planting date and in-row plant spacing effects on growth and yield of cabbage under plastic mulch. <i>Scientia Horticulturae</i> , <b>2016</b> , 202, 49-56	4.1	9
27	Effect of pine bark volume and ventilation for bell pepper production in high tunnels. <i>Scientia Horticulturae</i> , <b>2016</b> , 207, 203-207	4.1	
26	Rate and timing of nitrogen fertilizer application on potato BL1867 Part I: Plant nitrogen uptake and soil nitrogen availability. <i>Field Crops Research</i> , <b>2015</b> , 183, 246-256	5.5	32
25	The Relationship Between Sap Flow and Commercial Soil Water Sensor Readings in Irrigated Potato ( <i>Solanum tuberosum</i> L.) Production. <i>American Journal of Potato Research</i> , <b>2015</b> , 92, 582-592	2.1	1
24	Irrigation method and harvest time affect storage quality of two early-season, tablestock potato ( <i>Solanum tuberosum</i> L.) cultivars. <i>Scientia Horticulturae</i> , <b>2015</b> , 197, 428-433	4.1	6
23	Biomass Accumulation, Marketable Yield, and Quality of Atlantic Potato in Response to Nitrogen. <i>Agronomy Journal</i> , <b>2015</b> , 107, 931-942	2.2	17
22	Rate and timing of nitrogen fertilizer application on potato BL1867 Part II: Marketable yield and tuber quality. <i>Field Crops Research</i> , <b>2015</b> , 183, 267-275	5.5	19
21	Optimum Planting Configuration for High Population Plasticulture Grown Cabbage. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2015</b> , 50, 1472-1478	2.4	8
20	Initial Crown Diameter of Strawberry Bare-root Transplants Affects Early and Total Fruit Yield. <i>HortTechnology</i> , <b>2015</b> , 25, 203-208	1.3	12
19	Reductions in a Commercial Potato Irrigation Schedule during Tuber Bulking in Florida: Physiological, Yield, and Quality Effects. <i>Journal of Crop Improvement</i> , <b>2014</b> , 28, 660-679	1.4	11

18	Nitrogen Fertilizer Rate and Application Timing for Chipping Potato Cultivar Atlantic. <i>Agronomy Journal</i> , <b>2014</b> , 106, 2215-2226	2.2	18
17	Minimum Number of Soil Moisture Sensors for Monitoring and Irrigation Purposes. <i>Edis</i> , <b>2013</b> , 2013,	1.3	3
16	Enhancing Fertilizer Efficiency in High Input Cropping Systems in Florida. <i>Sustainable Agriculture Reviews</i> , <b>2013</b> , 143-174	1.3	7
15	Influence of no-tillage and frequency of a green manure legume in crop rotations for balancing N outputs and preserving soil organic C stocks. <i>Field Crops Research</i> , <b>2012</b> , 132, 185-195	5.5	52
14	Use of Irrigation Technologies for Vegetable Crops in Florida. <i>HortTechnology</i> , <b>2010</b> , 20, 133-142	1.3	47
13	Use of Irrigation Technologies for Citrus Trees in Florida. <i>HortTechnology</i> , <b>2010</b> , 20, 74-81	1.3	11
12	Tomato yield, biomass accumulation, root distribution and irrigation water use efficiency on a sandy soil, as affected by nitrogen rate and irrigation scheduling. <i>Agricultural Water Management</i> , <b>2009</b> , 96, 23-34	5.9	163
11	Nitrogen and water use efficiency of zucchini squash for a plastic mulch bed system on a sandy soil. <i>Scientia Horticulturae</i> , <b>2008</b> , 116, 8-16	4.1	61
10	Microaggregate-associated carbon as a diagnostic fraction for management-induced changes in soil organic carbon in two Oxisols. <i>Soil Biology and Biochemistry</i> , <b>2007</b> , 39, 1165-1172	7.5	169
9	Monitoring of nitrate leaching in sandy soils: comparison of three methods. <i>Journal of Environmental Quality</i> , <b>2007</b> , 36, 953-62	3.4	83
8	Fixação biológica de nitrogênio e fertilizantes nitrogenados no balanço de nitrogênio em soja, milho e algodão. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2006</b> , 41, 449-456	1.8	26
7	Sistema radicular da soja em função da compactação do solo no sistema de plantio direto. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2006</b> , 41, 493-501	1.8	23
6	Interaction Between Water and Nitrogen Application on Yields and Water-use Efficiency of Tomato and Pepper in Sandy Soil. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2006</b> , 41, 981C-981	2.4	2
5	Can Cover Crop-based Systems Reduce Vegetable Crop Fertilizer Nitrogen Requirements in the Southeastern United States?. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2006</b> , 41, 981B-981	2.4	2
4	Nitrate Leaching, Yields, and Water-use Efficiency of Zucchini Squash ( <i>Cucubita pepo</i> ) under Different Irrigation and Nitrogen Rates and Methods in a Sandy Soil. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2006</b> , 41, 988B-988	2.4	
3	Integrating Root Interception Capacity and Crop Nitrogen Demand into BMPs for Vegetable Crops. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2006</b> , 41, 987E-988	2.4	
2	Calibração do medidor de clorofila Minolta SPAD-502 para avaliação do conteúdo de nitrogênio do milho. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2003</b> , 38, 1117-1122	1.8	14
1	Coordinated adjustments of carbohydrates and growth of tree legumes under different fertilization regimes in degraded areas in Amazonia. <i>New Forests</i> , 1	2.6	1

