

Ramon G Leon

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

1,264
citations

430442

18
h-index

525886

27
g-index

115
all docs

115
docs citations

115
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	Technology for Automation of Weed Control in Specialty Crops. <i>Weed Technology</i> , 2016, 30, 823-837.	0.4	93
2	Effect of temperature on the germination of common waterhemp (<i>Amaranthus tuberculatus</i>), giant foxtail (<i>Setaria faberi</i>), and velvetleaf (<i>Abutilon theophrasti</i>). <i>Weed Science</i> , 2004, 52, 67-73.	0.8	54
3	Integration of remote weed mapping and an autonomous spraying unmanned aerial vehicle for site-specific weed management. <i>Pest Management Science</i> , 2020, 76, 1386-1392.	1.7	53
4	Weed management practices determine plant and arthropod diversity and seed predation in vineyards. <i>Weed Research</i> , 2011, 51, 404-412.	0.8	50
5	Differentiation of Life-History Traits among Palmer Amaranth Populations (<i>Amaranthus</i>) TJ ETQq1 1 0.784314 rgBT /Overlock 10 T 339-349.	0.8	42
6	<i>Brassica carinata</i> genotypes demonstrate potential as a winter biofuel crop in South East United States. <i>Industrial Crops and Products</i> , 2020, 150, 112353.	2.5	39
7	Tillage systems and seed dormancy effects on common waterhemp (<i>Amaranthus tuberculatus</i>) seedling emergence. <i>Weed Science</i> , 2006, 54, 1037-1044.	0.8	34
8	Regulation of weed seed dormancy through light and temperature interactions. <i>Weed Science</i> , 2003, 51, 752-758.	0.8	32
9	<i>Brassica carinata</i> Seeding Rate and Row Spacing Effects on Morphology, Yield, and Oil. <i>Agronomy Journal</i> , 2019, 111, 528-535.	0.9	32
10	Impact of Weed Management Practices on Grapevine Growth and Yield Components. <i>Weed Science</i> , 2009, 57, 103-107.	0.8	29
11	Germination and proteome analyses reveal intraspecific variation in seed dormancy regulation in common waterhemp (<i>Amaranthus tuberculatus</i>). <i>Weed Science</i> , 2006, 54, 305-315.	0.8	28
12	Impact of Exposure to 2,4-D and Dicamba on Peanut Injury and Yield. <i>Weed Technology</i> , 2014, 28, 465-470.	0.4	26
13	Managing Wicked Herbicide-Resistance: Lessons from the Field. <i>Weed Technology</i> , 2018, 32, 475-488.	0.4	24
14	Coverage and drift potential associated with nozzle and speed selection for herbicide applications using an unmanned aerial sprayer. <i>Weed Technology</i> , 2020, 34, 235-240.	0.4	24
15	Current outlook and future research needs for harvest weed seed control in North American cropping systems. <i>Pest Management Science</i> , 2020, 76, 3887-3895.	1.7	24
16	Artificial and natural seed banks differ in seedling emergence patterns. <i>Weed Science</i> , 2004, 52, 531-537.	0.8	23
17	<i>Amaranthus palmeri</i> a New Invasive Weed in Spain with Herbicide Resistant Biotypes. <i>Agronomy</i> , 2020, 10, 993.	1.3	23
18	Evolutionary Adaptations of Palmer Amaranth (<i>Amaranthus palmeri</i>) to Nitrogen Fertilization and Crop Rotation History Affect Morphology and Nutrient-Use Efficiency. <i>Weed Science</i> , 2018, 66, 180-189.	0.8	19

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19	The role of population and quantitative genetics and modern sequencing technologies to understand evolved herbicide resistance and weed fitness. <i>Pest Management Science</i> , 2021, 77, 12-21.	1.7	19
20	Tillage system and seeding rate effects on the performance of <i>Brassica carinata</i> . <i>GCB Bioenergy</i> , 2021, 13, 600-617.	2.5	19
21	Thermal and hormonal regulation of the dormancy/germination transition in <i>Amaranthus tuberculatus</i> seeds. <i>Weed Research</i> , 2007, 47, 335-344.	0.8	18
22	Postdispersal Weed Seed Predation and Invertebrate Activity Density in Three Tillage Regimes. <i>Weed Science</i> , 2015, 63, 828-838.	0.8	18
23	Biochar Changes Shoot Growth and Root Distribution of Soybean during Early Vegetative Stages. <i>Crop Science</i> , 2017, 57, 454-461.	0.8	18
24	Biochar Decreases Atrazine and Pendimethalin Preemergence Herbicidal Activity. <i>Weed Technology</i> , 2015, 29, 359-366.	0.4	17
25	Differences in biomass and water dynamics between a cotton-peanut rotation and a sweet sorghum bioenergy crop with and without biochar and vinasse as soil amendments. <i>Field Crops Research</i> , 2017, 214, 123-130.	2.3	17
26	Extractable and Germinable Seedbank Methods Provide Different Quantifications of Weed Communities. <i>Weed Science</i> , 2018, 66, 715-720.	0.8	17
27	Growing winter <i>Brassica carinata</i> as part of a diversified crop rotation for integrated weed management. <i>GCB Bioenergy</i> , 2021, 13, 425-435.	2.5	16
28	Seed Production and Control of Sicklepod (<i>Senna obtusifolia</i>) and Pitted Morningglory (<i>Ipomoea lacunosa</i>) with 2,4-D, Dicamba, and Glyphosate Combinations. <i>Weed Technology</i> , 2016, 30, 76-84.	0.4	15
29	<i>Carinata</i> Tolerance to Preemergence and Postemergence Herbicides. <i>Weed Technology</i> , 2017, 31, 877-882.	0.4	15
30	Simulation Models on the Ecology and Management of Arable Weeds: Structure, Quantitative Insights, and Applications. <i>Agronomy</i> , 2020, 10, 1611.	1.3	14
31	<i>Brassica carinata</i> biomass, yield, and seed chemical composition response to nitrogen rates and timing on southern Coastal Plain soils in the United States. <i>GCB Bioenergy</i> , 2021, 13, 1275-1289.	2.5	14
32	Windows of action for controlling palmer amaranth (<i>Amaranthus palmeri</i>) using emergence and phenology models. <i>Weed Research</i> , 2021, 61, 188-198.	0.8	13
33	Integrating emergence and phenology models to determine windows of action for weed control: A case study using <i>Senna obtusifolia</i> . <i>Field Crops Research</i> , 2020, 258, 107959.	2.3	13
34	Interspecific Differences in Weed Susceptibility to Steam Injury. <i>Weed Technology</i> , 2008, 22, 719-723.	0.4	12
35	Vinasse and Biochar Effects on Germination and Growth of Palmer Amaranth (<i>Amaranthus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Weed Technology</i> , 2014, 28, 694-702.	0.4	12
36	Weed Seed Banks Are More Dynamic in a Sod-Based, Than in a Conventional, Peanut-Cotton Rotation. <i>Weed Science</i> , 2015, 63, 877-887.	0.8	12

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37	Recurrent Changes of Weed Seed Bank Density and Diversity in Crop-Livestock Systems. <i>Agronomy Journal</i> , 2018, 110, 1068-1078.	0.9	12
38	Energycane (<i>Saccharum</i> spp. – <i>Saccharum spontaneum</i> L.) Biomass Production, Reproduction, and Weed Risk Assessment Scoring in the Humid Tropics and Subtropics. <i>Agronomy Journal</i> , 2015, 107, 323-329.	0.9	11
39	Converting bahiagrass pasture land to elephantgrass bioenergy production enhances biomass yield and water quality. <i>Agriculture, Ecosystems and Environment</i> , 2017, 248, 20-28.	2.5	11
40	Palmer Amaranth (<i>Amaranthus palmeri</i>) Growth and Seed Production When in Competition with Peanut and Other Crops in North Carolina. <i>Agronomy</i> , 2021, 11, 1734.	1.3	11
41	Characterization of MD-2™ Pineapple Planting Density and Fertilization Using a Grower Survey. <i>HortTechnology</i> , 2012, 22, 644-650.	0.5	11
42	Effect of Sequential Applications of Protoporphyrinogen Oxidase-Inhibiting Herbicides on Palmer Amaranth (<i>Amaranthus palmeri</i>) Control and Peanut Response. <i>Weed Technology</i> , 2017, 31, 46-52.	0.4	10
43	Managing Herbicide Resistance: Listening to the Perspectives of Practitioners. Procedures for Conducting Listening Sessions and an Evaluation of the Process. <i>Weed Technology</i> , 2018, 32, 489-497.	0.4	10
44	Structuring international development decisions: confronting trade-offs between land use and community development in Costa Rica. <i>Environment Systems and Decisions</i> , 2014, 34, 224-236.	1.9	9
45	Susceptibility of Palmer amaranth (<i>Amaranthus palmeri</i>) to herbicides in accessions collected from the North Carolina Coastal Plain. <i>Weed Science</i> , 2020, 68, 582-593.	0.8	9
46	Seed germination responses to soil hydraulic conductivity and polyethylene glycol (PEG) osmotic solutions. <i>Plant and Soil</i> , 2021, 462, 175-188.	1.8	9
47	Selection Criteria and Performance of Energycane Clones (<i>Saccharum</i> spp. – <i>S. spontaneum</i>) for Biomass Production Under Tropical and Sub-tropical Conditions. <i>Ceiba</i> , 2012, 51, 11-16.	0.2	9
48	Using choice experiments to understand household tradeoffs regarding pineapple production and environmental management in Costa Rica. <i>Journal of Environmental Management</i> , 2013, 127, 308-316.	3.8	8
49	Relative Lateral Movement in Surface Soil of Amicarbazone and Indaziflam Compared with Other Preemergence Herbicides for Turfgrass. <i>Weed Technology</i> , 2016, 30, 229-237.	0.4	8
50	Population growth rates of weed species in response to herbicide programme intensity and their impact on weed community. <i>Weed Research</i> , 2021, 61, 509-518.	0.8	8
51	Glufosinate Application Timing and Rate Affect Peanut Yield. <i>Peanut Science</i> , 2013, 40, 115-119.	0.2	7
52	Characterization of Fluzifop-P-butyl Tolerance in Zoysiagrass Cultivars. <i>Weed Technology</i> , 2014, 28, 385-394.	0.4	7
53	Characterization and Modeling of Itchgrass (<i>Rottboellia cochinchinensis</i>) Biphasic Seedling Emergence Patterns in the Tropics. <i>Weed Science</i> , 2015, 63, 623-630.	0.8	7
54	Postemergence Herbicide Tolerance Variation in Peanut Germplasm. <i>Weed Science</i> , 2015, 63, 546-554.	0.8	7

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55	Influence of Planting Depth and Application Timing on <i>S-metolachlor</i> Injury in Sesame (<i>Sesamum indicum</i> L.). <i>Weed Technology</i> , 2016, 30, 958-964.	0.4	7
56	Peanut residue distribution gradients and tillage practices determine patterns of nitrogen mineralization. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 113, 63-76.	1.1	7
57	Peanut nitrogen credits to winter wheat are negligible under conservation tillage management in the southeastern USA. <i>Field Crops Research</i> , 2020, 249, 107739.	2.3	7
58	Short-term effects of bioenergy cropping on soil carbon and nitrogen dynamics in a Florida Ultisol. <i>Soil Science Society of America Journal</i> , 2020, 84, 1233-1246.	1.2	7
59	Frost Damage of <i>Carinata</i> Grown in the Southeastern US. <i>Edis</i> , 2018, 2018, .	0.0	7
60	Influence of Lactofen and 2,4-DB Combinations on Peanut Injury and Yield. <i>Peanut Science</i> , 2013, 40, 62-65.	0.2	6
61	Survey of Glyphosate- and Imazapic-Resistant Palmer Amaranth (<i>Amaranthus palmeri</i>) in Florida. <i>Crop, Forage and Turfgrass Management</i> , 2015, 1, 1-5.	0.2	6
62	Impact of Potassium and Nitrogen Fertilization on Bahiagrass Herbage Accumulation and Nutrient Concentration. <i>Agronomy Journal</i> , 2017, 109, 1099-1105.	0.9	6
63	Influence of multiple herbicide resistance on growth in <i>Amaranthus tuberculatus</i> . <i>Weed Research</i> , 2019, 59, 235-244.	0.8	6
64	Emergence patterns of winter and summer annual weeds in Ethiopian mustard (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	0.8	6
65	Population and quantitative genetic analyses of life-history trait adaptations in <i>Amaranthus palmeri</i> S. Watson. <i>Weed Research</i> , 2021, 61, 342-349.	0.8	6
66	Characterization of <i>carinata</i> tolerance to select herbicides using field dose-response studies. <i>Weed Technology</i> , 2021, 35, 957-966.	0.4	6
67	White paper report from working groups attending the international conference on research and educational opportunities in bio-fuel crop production. <i>Biomass and Bioenergy</i> , 2010, 34, 1968-1972.	2.9	5
68	Peanut Cultivars Differing in Growth Habit and Canopy Architecture Respond Similarly to Weed Interference. <i>Peanut Science</i> , 2016, 43, 133-140.	0.2	5
69	Incorporating environmental factors to describe wild radish (<i>Raphanus raphanistrum</i>) seedling emergence and plant phenology. <i>Weed Science</i> , 2020, 68, 627-638.	0.8	5
70	Response of agronomic crops to planting date and double-cropping with wheat. <i>Agronomy Journal</i> , 2020, 112, 1972-1980.	0.9	5
71	Efecto de la profundidad del suelo en <i>Rottboellia cochinchinensis</i> (Lour) Clayton en caña de azúcar (<i>Saccharum officinarum</i> L.). <i>Agronomy Mesoamerican</i> , 2006, 12, 65.	0.1	5
72	Genome-Wide Evolutionary Analysis of Putative Non-Specific Herbicide Resistance Genes and Compilation of Core Promoters between Monocots and Dicots. <i>Genes</i> , 2022, 13, 1171.	1.0	5

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73	Inheritance of deep seed dormancy and stratification-mediated dormancy alleviation in <i>Amaranthus tuberculatus</i> . <i>Seed Science Research</i> , 2006, 16, 193-202.	0.8	4
74	Evaluation of Verticutting and Herbicides for Tropical Signalgrass (<i>Urochloa subquadriflora</i>) Control in Turf. <i>Weed Technology</i> , 2018, 32, 392-397.	0.4	4
75	Amending marginal sandy soils with biochar and lignocellulosic fermentation residual sustains fertility in elephantgrass bioenergy cropping systems. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 115, 69-83.	1.1	4
76	Using weed emergence and phenology models to determine critical control windows for winter-grown <i>Brassica carinata</i> . <i>Weed Science</i> , 2022, 70, 495-502.	0.8	4
77	Diversity and Spatial Heterogeneity of Weed Communities in a Sugarcane Cropping System in the Dry Tropics of Costa Rica. <i>Weed Science</i> , 2017, 65, 128-140.	0.8	3
78	Bahiagrass pasture and elephantgrass bioenergy cropping systems differ in root traits. <i>Agronomy Journal</i> , 2020, 112, 4810-4821.	0.9	3
79	The Impacts of Micronutrient Fertility on the Mineral Uptake and Growth of <i>Brassica carinata</i> . <i>Agriculture (Switzerland)</i> , 2021, 11, 221.	1.4	3
80	Evaluating shade cloth to simulate Palmer amaranth (<i>Amaranthus palmeri</i>) competition in sweetpotato. <i>Weed Science</i> , 2021, 69, 478-484.	0.8	3
81	Surveying stakeholder's perception of glufosinate and use in North Carolina. <i>Weed Technology</i> , 2022, 36, 443-450.	0.4	3
82	Absence of Interactive Responses of Early Soybean (<i>Glycine max</i>) Growth to Soybean Cyst Nematode (<i>Heterodera glycines</i>), Postemergence Herbicides, and Soil pH and Texture. <i>Weed Technology</i> , 2005, 19, 847-854.	0.4	2
83	Management of Spreading Pricklypear (<i>Opuntia humifusa</i>) with Fluroxypyr and Aminopyralid. <i>Weed Technology</i> , 2014, 28, 734-738.	0.4	2
84	Sesame Tolerance to Preplant Applications of 2,4-D and Dicamba. <i>Weed Technology</i> , 2017, 31, 590-598.	0.4	2
85	Conventional Harvest Index Methods may Overestimate Biomass and Nutrient Removal from Abscising Crop Species. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2883-2893.	0.6	2
86	Transgressive segregation and maternal genetic effects of non-target site fluzifop-P-butyl tolerance in <i>Zoysia</i> spp.. <i>Weed Science</i> , 2019, 67, 504-509.	0.8	2
87	Herbicide systems including linuron for Palmer amaranth (<i>Amaranthus palmeri</i>) control in sweetpotato. <i>Weed Technology</i> , 2021, 35, 49-56.	0.4	2
88	The influence of soybean population and POST herbicide application timing on in-season and subsequent-season Palmer amaranth (<i>Amaranthus palmeri</i>) control and economic returns. <i>Weed Technology</i> , 2021, 35, 106-112.	0.4	2
89	Biochar affects soil water content but not soybean yield in a sandy southeastern U.S. soil. , 2021, 4, e20197.		2
90	Weed Management Guide for Florida Lawns. <i>Edis</i> , 2020, 2020, .	0.0	2

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91	Evaluation of imazapic and flumioxazin carryover risk for Carinata (<i>Brassica carinata</i>) establishment. <i>Weed Science</i> , 2022, 70, 503-513.	0.8	2
92	Modeling weed community diversity based on species population density dynamics and herbicide use intensity. <i>European Journal of Agronomy</i> , 2022, 138, 126533.	1.9	2
93	Bahiagrass Tolerance to Aminocyclopyrachlor in Florida. <i>Weed Technology</i> , 2016, 30, 943-948.	0.4	1
94	Weed Control in Florida Pastures With the Use of Aminocyclopyrachlor. <i>Weed Technology</i> , 2016, 30, 271-278.	0.4	1
95	Herbicidal and Seed Dormancy Induction Activity of Fermentation Residual Vinasse. <i>Weed Science</i> , 2018, 66, 317-323.	0.8	1
96	Variation in tolerance mechanisms to fluazifop-P-butyl among selected zoysiagrass lines. <i>Weed Science</i> , 2019, 67, 288-295.	0.8	1
97	The Influence of Postemergence Herbicide Timing and Frequency on Weed Control and Soybean Yield. <i>Crop, Forage and Turfgrass Management</i> , 2019, 5, 190036.	0.2	1
98	Cotton response to preplant applications of 2,4-D or dicamba. <i>Weed Technology</i> , 2020, 34, 96-100.	0.4	1
99	Influence of timing and intensity of weed management on crop yield and contribution to weed emergence in cotton the following year. <i>Crop, Forage and Turfgrass Management</i> , 2020, 6, e220021.	0.2	1
100	A population genetics approach for the study of fluridone resistance in hydrilla. <i>Aquatic Invasions</i> , 2021, 16, 28-42.	0.6	1
101	Safety and efficacy of linuron with or without an adjuvant or <i>S</i> -metolachlor for POST control of Palmer amaranth (<i>Amaranthus palmeri</i>) in sweetpotato. <i>Weed Technology</i> , 2021, 35, 471-475.	0.4	1
102	Influence of herbicides on germination and quality of Palmer amaranth (<i>Amaranthus palmeri</i>) seed. <i>Weed Technology</i> , 2021, 35, 786-789.	0.4	1
103	Efecto de tipos de labranza sobre la poblaci3n de malezas en caa de azcar (Saccharum officinarum) Tj ETQq1 1 0.784314 rgBT / 0,1 1	0.1	1
104	Response of Maize, Cotton, and Soybean to Increased Crop Density in Heterogeneous Planting Arrangements. <i>Agronomy</i> , 2022, 12, 1238.	1.3	1
105	Amicarbazone Application Timing Influences Overseeded Perennial Ryegrass (<i>Lolium perenne</i> L.) Safety and Annual Bluegrass (<i>Poa annua</i> L.) Control. , 2014, 11, ATS-2014-0042-RS.		0
106	Tolerance of Bermudagrass and Stargrass to Aminocyclopyrachlor. <i>Weed Technology</i> , 2016, 30, 499-505.	0.4	0
107	Application Timing Affects Tolerance of Zoysiagrass to Fluazifop-P-butyl and Safening Effect of Triclopyr. <i>Crop Science</i> , 2019, 59, 1789-1798.	0.8	0
108	Tolerance of pintoi peanut to PRE and POST herbicides. <i>Weed Technology</i> , 2020, 34, 870-875.	0.4	0

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109	Creating Predictive Weed Emergence Models Using Repeat Photography and Image Analysis. <i>Plants</i> , 2020, 9, 635.	1.6	0
110	A granular fertilizer carrier impregnated with metsulfuron injures centipedegrass when applied at excessive rates. <i>Crop, Forage and Turfgrass Management</i> , 2021, 7, e20091.	0.2	0
111	Nitrogen leaching and tifway bermudagrass response to simultaneous nutrient and preemergence herbicide applications. <i>Journal of Environmental Quality</i> , 2021, 50, 1419-1429.	1.0	0
112	Tolerance of rhizoma perennial peanut to glyphosate and triclopyr. <i>Weed Technology</i> , 2021, 35, 525-531.	0.4	0
113	Susceptibility of Palmer amaranth accessions in North Carolina to atrazine, dicamba, S-metolachlor, and 2,4-D. <i>Crop, Forage and Turfgrass Management</i> , 0, , e20136.	0.2	0