

# S Chris Reberg-Horton

## List of Publications by Year in descending order

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64  
papers

1,866  
citations

279798

23  
h-index

276875

41  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1581  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming Weed Management Challenges in Cover Crop-Based Organic Rotational No-Till Soybean Production in the Eastern United States. <i>Weed Technology</i> , 2013, 27, 193-203.	0.9	168
2	Nitrogen Delivery from Legume Cover Crops in No-Till Organic Corn Production. <i>Agronomy Journal</i> , 2011, 103, 1578-1590.	1.8	129
3	Breeding Cereal Crops for Enhanced Weed Suppression: Optimizing Allelopathy and Competitive Ability. <i>Journal of Chemical Ecology</i> , 2013, 39, 213-231.	1.8	112
4	CHANGES OVER TIME IN THE ALLELOCHEMICAL CONTENT OF TEN CULTIVARS OF RYE ( <i>Secale cereale</i> L.). <i>Journal of Chemical Ecology</i> , 2005, 31, 179-193.	1.8	110
5	Rolled Rye Mulch for Weed Suppression in Organic No-Tillage Soybeans. <i>Weed Science</i> , 2011, 59, 224-231.	1.5	101
6	Soil Health Indicators Do Not Differentiate among Agronomic Management Systems in North Carolina Soils. <i>Soil Science Society of America Journal</i> , 2017, 81, 828-843.	2.2	98
7	Utilizing cover crop mulches to reduce tillage in organic systems in the southeastern USA. <i>Renewable Agriculture and Food Systems</i> , 2012, 27, 41-48.	1.8	91
8	Beneficial insects move from flowering plants to nearby crops. <i>California Agriculture</i> , 1998, 52, 23-26.	0.8	91
9	Cover Crop Effects on the Activity-Density of the Weed Seed Predator <i>Harpalus rufipes</i> (Coleoptera: Carabidae). <i>Weed Science</i> , 2008, 56, 442-450.	1.5	67
10	The Reduction of Plant-Available Nitrogen by Cover Crop Mulches and Subsequent Effects on Soybean Performance and Weed Interference. <i>Agronomy Journal</i> , 2013, 105, 539-545.	1.8	59
11	Hairy Vetch Biomass across the Eastern United States: Effects of Latitude, Seeding Rate and Date, and Termination Timing. <i>Agronomy Journal</i> , 2017, 109, 1510-1519.	1.8	50
12	Seeding Rate Effects on Weed Control and Yield For Organic Soybean Production. <i>Weed Technology</i> , 2009, 23, 497-502.	0.9	49
13	Legume Cover Crops and Tillage Impact Nitrogen Dynamics in Organic Corn Production. <i>Agronomy Journal</i> , 2018, 110, 1046-1057.	1.8	44
14	Crop and field border effects on weed seed predation in the southeastern U.S. coastal plain. <i>Agriculture, Ecosystems and Environment</i> , 2013, 177, 58-62.	5.3	34
15	Establishing the relationship of soil nitrogen immobilization to cereal rye residues in a mulched system. <i>Plant and Soil</i> , 2018, 426, 95-107.	3.7	34
16	Biological controls over the abundances of terrestrial ammonia oxidizers. <i>Global Ecology and Biogeography</i> , 2020, 29, 384-399.	5.8	34
17	Characterizing Cereal Rye Biomass and Allometric Relationships across a Range of Fall Available Nitrogen Rates in the Eastern United States. <i>Agronomy Journal</i> , 2017, 109, 1520-1531.	1.8	29
18	Shifts in the Composition and Activities of Denitrifiers Dominate CO <sub>2</sub> Stimulation of N <sub>2</sub> O Emissions. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11204-11213.	10.0	27

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19	Drought Stress Detection Using Low-Cost Computer Vision Systems and Machine Learning Techniques. <i>IT Professional</i> , 2020, 22, 27-29.	1.5	27
20	Cultural Strategies for Managing Weeds and Soil Moisture in Cover Crop Based No-Till Soybean Production. <i>Weed Science</i> , 2014, 62, 501-511.	1.5	26
21	CO <sub>2</sub> -induced alterations in plant nitrate utilization and root exudation stimulate N <sub>2</sub> O emissions. <i>Soil Biology and Biochemistry</i> , 2017, 106, 9-17.	8.8	26
22	Effects of moisture and temperature on C and N mineralization from surface-applied cover crop residues. <i>Biology and Fertility of Soils</i> , 2021, 57, 485-498.	4.3	26
23	Roller-Crimper Termination for Legume Cover Crops in North Carolina: Impacts on Nutrient Availability to a Succeeding Corn Crop. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1106-1119.	1.4	25
24	Weed suppression and soybean yield in a no-till cover-crop mulched system as influenced by six rye cultivars. <i>Renewable Agriculture and Food Systems</i> , 2016, 31, 429-440.	1.8	24
25	Small mammal use of field borders planted as beneficial insect habitat. <i>Wildlife Society Bulletin</i> , 2013, 37, 209-215.	1.6	23
26	Near-Infrared spectroscopic models for analysis of winter pea ( <i>Pisum sativum</i> L.) quality constituents. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 4253-4267.	3.5	23
27	Identifying Soybean Traits of Interest for Weed Competition. <i>Crop Science</i> , 2011, 51, 2642-2654.	1.8	21
28	A Comparison of Methods for Evaluating the Suppressive Ability of Winter Wheat Cultivars against Italian Ryegrass ( <i>Lolium perenne</i> ). <i>Weed Science</i> , 2013, 61, 491-499.	1.5	18
29	Pod Dehiscence in Hairy Vetch ( <i>Vicia villosa</i> Roth). <i>Frontiers in Plant Science</i> , 2020, 11, 82.	3.6	18
30	Relative Contributions of Allelopathy and Competitive Traits to the Weed Suppressive Ability of Winter Wheat Lines Against Italian Ryegrass. <i>Crop Science</i> , 2015, 55, 57-64.	1.8	16
31	Starter Fertilizer for Managing Cover Crop-Based Organic Corn. <i>Agronomy Journal</i> , 2017, 109, 2214-2222.	1.8	16
32	Effects of Soybean Seed Size on Weed Competition. <i>Agronomy Journal</i> , 2011, 103, 175-181.	1.8	15
33	Row Spacing and Seeding Rate Effects on Canola Population, Weed Competition, and Yield in Winter Organic Canola Production. <i>Agronomy Journal</i> , 2016, 108, 2425-2432.	1.8	15
34	Planting Date Impacts on Soil Water Management, Plant Growth, and Weeds in Cover-Crop-Based No-Till Corn Production. <i>Agronomy Journal</i> , 2016, 108, 162-170.	1.8	13
35	Winter Pea, Crimson Clover, and Hairy Vetch Planted in Mixture with Small Grains in the Southeast United States. <i>Agronomy Journal</i> , 2019, 111, 805-815.	1.8	13
36	Windows of action for controlling palmer amaranth ( <i>Amaranthus palmeri</i> ) using emergence and phenology models. <i>Weed Research</i> , 2021, 61, 188-198.	1.7	13

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37	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.	5.1	13
38	Effects of Preplant and Postplant Rotary Hoe Use on Weed Control, Soybean Pod Position, and Soybean Yield. <i>Weed Science</i> , 2009, 57, 290-295.	1.5	12
39	Implications of Cereal Rye/Crimson Clover Management for Conventional and Organic Cotton Producers. <i>Agronomy Journal</i> , 2018, 110, 621-631.	1.8	12
40	Critical timing of Palmer amaranth ( <i>Amaranthus palmeri</i> ) removal in sweetpotato. <i>Weed Technology</i> , 2020, 34, 547-551.	0.9	12
41	Measuring community shifts in a weed seedbank study with the use of distance-based redundancy analysis. <i>Weed Science</i> , 2006, 54, 861-866.	1.5	11
42	Winter Grain-Short Season Corn Double Crop Forage Production for New England. <i>Agronomy Journal</i> , 2012, 104, 256-264.	1.8	11
43	Interaction of Cultivar, Planting Pattern, and Weed Management Tactics in Peanut. <i>Weed Science</i> , 2010, 58, 442-448.	1.5	10
44	Estimation of heritability of benzoxazinoid production in rye ( <i>Secale cereale</i> ) using gas chromatographic analysis. <i>Plant Breeding</i> , 2012, 131, 104-109.	1.9	10
45	Beneficial Insect Borders Provide Northern Bobwhite Brood Habitat. <i>PLoS ONE</i> , 2013, 8, e83815.	2.5	9
46	Morphological Traits Associated with Weed-Suppressive Ability of Winter Wheat against Italian Ryegrass. <i>Crop Science</i> , 2015, 55, 50-56.	1.8	8
47	In situ validation of fungal N translocation to cereal rye mulches under no-till soybean production. <i>Plant and Soil</i> , 2017, 410, 153-165.	3.7	8
48	Environmental Influences on the Relationship between Fall and Spring Vigor in Hairy Vetch. <i>Crop Science</i> , 2019, 59, 2443-2454.	1.8	8
49	Overwintering sparrow use of field borders planted as beneficial insect habitat. <i>Journal of Wildlife Management</i> , 2013, 77, 200-206.	1.8	7
50	Poultry Feather Meal Application in Organic Flue-Cured Tobacco Production. <i>Agronomy Journal</i> , 2017, 109, 2800-2807.	1.8	7
51	Tolerance of Sweetpotato to Herbicides Applied in Plant Propagation Beds. <i>Weed Technology</i> , 2019, 33, 147-152.	0.9	5
52	Legume cover crop type and termination method effects on labile soil carbon and nitrogen and aggregation. <i>Agronomy Journal</i> , 2022, 114, 1817-1832.	1.8	5
53	Screening Tactics for Identifying Competitive Soybean Genotypes. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 2654-2665.	1.4	4
54	Critical Period for Palmer Amaranth ( <i>Amaranthus palmeri</i> ) Control in Pickling Cucumber. <i>Weed Technology</i> , 2018, 32, 586-591.	0.9	4

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55	Soil carbon and nitrogen fractions after 19 years of farming systems research in the Coastal Plain of North Carolina. <i>Soil Science Society of America Journal</i> , 2020, 84, 856-876.	2.2	4
56	Differences among eighteen winter pea genotypes for forage and cover crop use in the southeastern United States. <i>Crop Science</i> , 2021, 61, 947-965.	1.8	4
57	Microbial processes and community structure as influenced by cover crop residue type and placement during repeated dry-wet cycles. <i>Applied Soil Ecology</i> , 2022, 172, 104349.	4.3	4
58	Effect of Soybean Maturity, Crimson Clover Seeding Method, and Seeding Rate on Clover Biomass and Nitrogen Content. <i>Agronomy Journal</i> , 2018, 110, 1829-1835.	1.8	3
59	Gatewayâ€node wireless data collection system for environmental sensing. , 2021, 4, .		3
60	Influence of Virginia Market Type Genotype on Peanut Response to Weed Interference. <i>Peanut Science</i> , 2012, 39, 22-29.	0.1	2
61	Winter Pea Cultivar/Breeding Line Screening for Grain Crop Potential in the Southeastern United States. <i>Agronomy Journal</i> , 2018, 110, 1217-1225.	1.8	2
62	Evaluation of Sweetpotato Cultivars with Varying Canopy Architectures in Conventional and a Reduced-tillage Rye Production System. <i>HortTechnology</i> , 2022, 32, 158-163.	0.9	2
63	Using statistical learning algorithms to predict cover crop biomass and cover crop nitrogen content. <i>Agronomy Journal</i> , 2020, 112, 4898-4913.	1.8	1
64	Identifying interest, risks, and impressions of organic peanut production: A survey of conventional farmers in the Virginiaâ€Carolina region. <i>Crop, Forage and Turfgrass Management</i> , 2020, 6, e20042.	0.6	0