

Richard G Smith

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

3,560
citations

172457

29
h-index

144013

57
g-index

82
all docs

82
docs citations

82
times ranked

4237
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating warm-season annual forages to fill summer forage gaps in short-season climates. <i>Crop, Forage and Turfgrass Management</i> , 2022, 8, .	0.6	1
2	Legacy Effects of Contrasting Long-Term Integrated Weed Management Systems. <i>Frontiers in Agronomy</i> , 2022, 3, .	3.3	8
3	Early-season plant cover supports more effective pest control than insecticide applications. <i>Ecological Applications</i> , 2022, 32, e2598.	3.8	12
4	Climate consequences of temperate forest conversion to open pasture or silvopasture. <i>Agriculture, Ecosystems and Environment</i> , 2022, 333, 107972.	5.3	6
5	Seed size variability has implications for achieving cover cropping goals. <i>Agricultural and Environmental Letters</i> , 2022, 7, .	1.2	3
6	Cereal rye mulch biomass and crop density affect weed suppression and community assembly in no-till planted soybean. <i>Ecosphere</i> , 2022, 13, .	2.2	10
7	Identifying optimal early-season harvest timing in annual fall forages. <i>Crop, Forage and Turfgrass Management</i> , 2022, 8, .	0.6	0
8	Small-Grain Cover Crops Have Limited Effect on Neonicotinoid Contamination from Seed Coatings. <i>Environmental Science & Technology</i> , 2021, 55, 4679-4687.	10.0	11
9	High Seeding Rates and Low Soil Nitrogen Environments Optimize Weed Suppression and Profitability in Organic No-Till Planted Soybean. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	11
10	Winter annual forage mass-nutritive value trade-offs are affected by harvest timing. <i>Crop, Forage and Turfgrass Management</i> , 2021, 7, e20113.	0.6	3
11	Weed germinable seedbanks of rice-wheat systems in the Eastern Indo-Gangetic Plains: Do tillage and edaphic factors explain community variation?. <i>Weed Research</i> , 2021, 61, 475-485.	1.7	1
12	Investigating tarps to facilitate organic no-till cabbage production with high-residue cover crops. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 227-233.	1.8	9
13	Effects of expanding functional trait diversity on productivity and stability in cultivar mixtures of perennial ryegrass. <i>Agriculture, Ecosystems and Environment</i> , 2020, 287, 106691.	5.3	11
14	Rapid and distinct responses of particulate and mineral-associated organic nitrogen to conservation tillage and cover crops. <i>Geoderma</i> , 2020, 359, 114001.	5.1	66
15	Forest conversion to silvopasture and open pasture: effects on soil hydraulic properties. <i>Agroforestry Systems</i> , 2020, 94, 869-879.	2.0	9
16	Soil-Mediated Effects on Weed-Crop Competition: Elucidating the Role of Annual and Perennial Intercrop Diversity Legacies. <i>Agronomy</i> , 2020, 10, 1373.	3.0	6
17	Resident and stakeholder perceptions of ecosystem services associated with agricultural landscapes in New Hampshire. <i>Ecosystem Services</i> , 2020, 45, 101153.	5.4	21
18	Influence of forest-to-silvopasture conversion and drought on components of evapotranspiration. <i>Agriculture, Ecosystems and Environment</i> , 2020, 295, 106916.	5.3	16

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19	Are cover crop mixtures better at suppressing weeds than cover crop monocultures?. <i>Weed Science</i> , 2020, 68, 186-194.	1.5	52
20	Confronting Barriers to Cropping System Diversification. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	29
21	Weed community structure and soybean yields in a long-term organic cropping systems experiment. <i>Weed Science</i> , 2019, 67, 673-681.	1.5	7
22	Substrate quality and concentration control decomposition and microbial strategies in a model soil system. <i>Biogeochemistry</i> , 2019, 144, 47-59.	3.5	22
23	Forage productivity and profitability in newly-established open pasture, silvopasture, and thinned forest production systems. <i>Agroforestry Systems</i> , 2019, 93, 51-65.	2.0	34
24	Ecosystem services and land sparing potential of urban and peri-urban agriculture: A review. <i>Renewable Agriculture and Food Systems</i> , 2018, 33, 481-494.	1.8	40
25	Environmental Correlates with Germinable Weed Seedbanks on Organic Farms across Northern New England. <i>Weed Science</i> , 2018, 66, 78-93.	1.5	5
26	Manganese limitation as a mechanism for reduced decomposition in soils under atmospheric nitrogen deposition. <i>Soil Biology and Biochemistry</i> , 2018, 127, 252-263.	8.8	60
27	Weed Control Through Crop Plant Manipulations. , 2018, , 73-96.		11
28	Evidence for multi-trophic effects of pesticide seed treatments on non-targeted soil fauna. <i>Soil Biology and Biochemistry</i> , 2018, 125, 144-155.	8.8	21
29	A regionally-adapted implementation of conservation agriculture delivers rapid improvements to soil properties associated with crop yield stability. <i>Scientific Reports</i> , 2018, 8, 8467.	3.3	46
30	Minerals in the rhizosphere: overlooked mediators of soil nitrogen availability to plants and microbes. <i>Biogeochemistry</i> , 2018, 139, 103-122.	3.5	203
31	Balancing multiple objectives in organic feed and forage cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 219-227.	5.3	11
32	Reconciling opposing soil processes in row-crop agroecosystems via soil functional zone management. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 99-107.	5.3	23
33	Another view. <i>Weed Science</i> , 2017, 65, 203-205.	1.5	10
34	A Disturbance-based Framework for Understanding Weed Community Assembly in Agroecosystems: Challenges and Opportunities for Agroecological Weed Management. , 2017, , 127-154.		6
35	Timing of Tillage as a Driver of Weed Communities. <i>Weed Science</i> , 2017, 65, 504-514.	1.5	36
36	How do weeds differ in their response to the timing of tillage? A study of 61 species across the northeastern United States. <i>Annals of Applied Biology</i> , 2017, 171, 340-352.	2.5	12

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37	Agriculture in 2050: Recalibrating Targets for Sustainable Intensification. <i>BioScience</i> , 2017, 67, 386-391.	4.9	662
38	Soil and understory plant dynamics during conversion of forest to silvopasture, open pasture, and woodlot. <i>Agroforestry Systems</i> , 2017, 91, 729-739.	2.0	14
39	Disentangling the Effects of Tillage Timing and Weather on Weed Community Assembly. <i>Agriculture (Switzerland)</i> , 2017, 7, 66.	3.1	12
40	Enhanced control of soil nitrogen cycling through soil functional zone management. <i>Crops & Soils</i> , 2016, 49, 42-45.	0.2	0
41	In-season and Carry-over Effects of Cover Crops on Productivity and Weed Suppression. <i>Agronomy Journal</i> , 2016, 108, 1624-1635.	1.8	26
42	The Eco-Evolutionary Imperative: Revisiting Weed Management in the Midst of an Herbicide Resistance Crisis. <i>Sustainability</i> , 2016, 8, 1297.	3.2	40
43	Soil Functional Zone Management: A Vehicle for Enhancing Production and Soil Ecosystem Services in Row-Crop Agroecosystems. <i>Frontiers in Plant Science</i> , 2016, 7, 65.	3.6	30
44	Cover crop and tillage intensities alter ground-dwelling arthropod communities during the transition to organic production. <i>Renewable Agriculture and Food Systems</i> , 2016, 31, 361-374.	1.8	27
45	A comparison of soil hydrothermal properties in zonal and uniform tillage systems across the US Corn Belt. <i>Geoderma</i> , 2016, 273, 12-19.	5.1	19
46	Precision control of soil nitrogen cycling via soil functional zone management. <i>Agriculture, Ecosystems and Environment</i> , 2016, 231, 291-295.	5.3	14
47	Influence of pesticide seed treatments on rhizosphere fungal and bacterial communities and leaf fungal endophyte communities in maize and soybean. <i>Applied Soil Ecology</i> , 2016, 102, 61-69.	4.3	67
48	Evidence for indirect effects of pesticide seed treatments on weed seed banks in maize and soybean. <i>Agriculture, Ecosystems and Environment</i> , 2016, 216, 269-273.	5.3	16
49	Soil Water Holding Capacity Mitigates Downside Risk and Volatility in US Rainfed Maize: Time to Invest in Soil Organic Matter?. <i>PLoS ONE</i> , 2016, 11, e0160974.	2.5	105
50	A succession-energy framework for reducing non-target impacts of annual crop production. <i>Agricultural Systems</i> , 2015, 133, 14-21.	6.1	13
51	Cover-Crop Species as Distinct Biotic Filters in Weed Community Assembly. <i>Weed Science</i> , 2015, 63, 282-295.	1.5	40
52	Effects of Living Mulch and Fertilizer on the Performance of Broccoli in Plasticulture. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 218-224.	1.0	4
53	Performance of High Tunnel Tomato Cultivars in Northern New England. <i>HortTechnology</i> , 2015, 25, 139-146.	0.9	3
54	Increased Productivity of a Cover Crop Mixture Is Not Associated with Enhanced Agroecosystem Services. <i>PLoS ONE</i> , 2014, 9, e97351.	2.5	82

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55	A Scale-Explicit Framework for Conceptualizing the Environmental Impacts of Agricultural Land Use Changes. <i>Sustainability</i> , 2014, 6, 8432-8451.	3.2	14
56	Soil seed bank community structure of pastures and hayfields on an organic farm. <i>Canadian Journal of Plant Science</i> , 2014, 94, 621-631.	0.9	6
57	Effects of Soil Amendments on the Abundance of a Parasitic Weed, Yellow Rattle (<i>Rhinanthus</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 1.5	1.5	7
58	Multivariate relationships influencing crop yields during the transition to organic management. <i>Agriculture, Ecosystems and Environment</i> , 2014, 189, 119-126.	5.3	17
59	Structural Equation Modeling Facilitates Transdisciplinary Research on Agriculture and Climate Change. <i>Crop Science</i> , 2014, 54, 475-483.	1.8	22
60	Navigating a Critical Juncture for Sustainable Weed Management. <i>BioScience</i> , 2012, 62, 75-84.	4.9	282
61	Yield and Net Returns during the Transition to Organic Feed Grain Production. <i>Agronomy Journal</i> , 2011, 103, 51-59.	1.8	31
62	Dynamics of photosynthetic photon flux density (PPFD) and estimates in coastal northern California. <i>Theoretical and Applied Climatology</i> , 2011, 105, 107-118.	2.8	51
63	Assessing and Visualizing Agricultural Management Practices: A Multivariable Hands-On Approach for Education and Extension. <i>Weed Technology</i> , 2011, 25, 680-687.	0.9	9
64	2,4-Dichlorophenoxyacetic acid (2,4-D)â€“resistant crops and the potential for evolution of 2,4-Dâ€“resistant weeds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E37; author reply E38.	7.1	32
65	A new hypothesis for the functional role of diversity in mediating resource pools and weedâ€“crop competition in agroecosystems. <i>Weed Research</i> , 2010, 50, 37-48.	1.7	106
66	Management Filters and Species Traits: Weed Community Assembly in Long-Term Organic and Conventional Systems. <i>Weed Science</i> , 2010, 58, 265-277.	1.5	81
67	Effects of Initial Seed-Bank Density on Weed Seedling Emergence during the Transition to an Organic Feed-Grain Crop Rotation. <i>Weed Science</i> , 2009, 57, 533-540.	1.5	13
68	Weed Science Research and Funding: A Call to Action. <i>Weed Science</i> , 2009, 57, 442-448.	1.5	29
69	Weedâ€“crop competition relationships differ between organic and conventional cropping systems. <i>Weed Research</i> , 2009, 49, 572-580.	1.7	69
70	Effects of Crop Diversity on Agroecosystem Function: Crop Yield Response. <i>Ecosystems</i> , 2008, 11, 355-366.	3.4	228
71	Wild Oat (<i>Avena fatua</i>) Seed Bank Dynamics in Transition to Organic Wheat Production Systems. <i>Weed Science</i> , 2007, 55, 212-217.	1.5	13
72	Temporal Yield Variability under Conventional and Alternative Management Systems. <i>Agronomy Journal</i> , 2007, 99, 1629-1634.	1.8	97

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73	Competitiveness of herbicide-resistant and herbicide-susceptible kochia (<i>Kochia scoparia</i> [L.] Schrad.) under contrasting management practises. <i>Weed Biology and Management</i> , 2007, 7, 115-119.	1.4	13
74	Assembly of weed communities along a crop diversity gradient. <i>Journal of Applied Ecology</i> , 2007, 44, 1046-1056.	4.0	65
75	Impact of agricultural management on carabid communities and weed seed predation. <i>Agriculture, Ecosystems and Environment</i> , 2007, 118, 49-54.	5.3	153
76	Timing of tillage is an important filter on the assembly of weed communities. <i>Weed Science</i> , 2006, 54, 705-712.	1.5	66
77	Lessons from agriculture may improve the management of invasive plants in wildland systems. <i>Frontiers in Ecology and the Environment</i> , 2006, 4, 428-434.	4.0	39
78	Rapid change in the germinable fraction of the weed seed bank in crop rotations. <i>Weed Science</i> , 2006, 54, 1094-1100.	1.5	29
79	Weed community and corn yield variability in diverse management systems. <i>Weed Science</i> , 2006, 54, 106-113.	1.5	43
80	Earthworms and weed seed distribution in annual crops. <i>Agriculture, Ecosystems and Environment</i> , 2005, 108, 363-367.	5.3	27
81	Direct and Indirect Impacts of Weed Management Practices on Soil Quality. , 0, , 275-286.		9
82	Improving Weed Management Based on the Timing of Emergence Peaks: A Case Study of Problematic Weeds in Northeast USA. <i>Frontiers in Agronomy</i> , 0, 4, .	3.3	3