Scott C Merrill

List of Publications by Year
in descending order

38 papers	1,199 citations	840776 11 h-index	414414 32 g-index
40 all docs	40 docs citations	40 times ranked	1755 citing authors

#	Article	IF	Citations
1	Using agricultural models to inform policy: Discussion points for researchers and policymakers. Journal of Soils and Water Conservation, 2021, 76, 10A-14A.	1.6	2
2	Message Delivery Strategy Influences Willingness to Comply With Biosecurity. Frontiers in Veterinary Science, 2021, 8, 667265.	2.2	5
3	The evolving landscape of agroecological research. Agroecology and Sustainable Food Systems, 2021, 45, 551-591.	1.9	24
4	A Multi-Site Analysis of the Prevalence of Food Insecurity in the United States, before and during the COVID-19 Pandemic. Current Developments in Nutrition, 2021, 5, nzab135.	0.3	43
5	Calibrating the APEX Model for Simulations of Environmental and Agronomic Outcomes on Dairy Farms in the Northeast U.S.: A Step-by-Step Example. Applied Engineering in Agriculture, 2020, 36, 281-301.	0.7	4
6	Characterizing Heterogeneous Behavior of Non-Point-Source Polluters in a Spatial Game under Alternate Sensing and Incentive Designs. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	3
7	Using experimental gaming simulations to elicit risk mitigation behavioral strategies for agricultural disease management. PLoS ONE, 2020, 15, e0228983.	2.5	19
8	Effects of Social Cues on Biosecurity Compliance in Livestock Facilities: Evidence From Experimental Simulations. Frontiers in Veterinary Science, 2020, 7, 130.	2.2	11
9	Emulating Agricultural Disease Management: Comparing Risk Preferences Between Industry Professionals and Online Participants Using Experimental Gaming Simulations and Paired Lottery Choice Surveys. Frontiers in Veterinary Science, 2020, 7, 556668.	2.2	8
10	Effects of on-farm diversification strategies on smallholder coffee farmer food security and income sufficiency in Chiapas, Mexico. Journal of Rural Studies, 2020, 77, 33-46.	4.7	52
11	307 A systems approach to understanding biosecurity decision-making. Journal of Animal Science, 2020, 98, 43-43.	0.5	1
12	Risk Attitudes Affect Livestock Biosecurity Decisions With Ramifications for Disease Control in a Simulated Production System. Frontiers in Veterinary Science, 2019, 6, 196.	2.2	25
13	Willingness to Comply With Biosecurity in Livestock Facilities: Evidence From Experimental Simulations. Frontiers in Veterinary Science, 2019, 6, 156.	2.2	22
14	Decision-making in livestock biosecurity practices amidst environmental and social uncertainty: Evidence from an experimental game. PLoS ONE, 2019, 14, e0214500.	2.5	33
15	Network Meta-Metrics: Using Evolutionary Computation to Identify Effective Indicators of Epidemiological Vulnerability in a Livestock Production System Model. Jasss, 2019, 22, .	1.8	11
16	Using agent-based models to study network and collaborative governance. , 2019, , 210-231.		4
17	Modeling carbon storage across a heterogeneous mixed temperate forest: the influence of forest type specificity on regional-scale carbon storage estimates. Landscape Ecology, 2018, 33, 641-658.	4.2	6
18	Mixed methods approach to understanding farmer and agricultural advisor perceptions of climate change and adaptation in Vermont, United States. Agroecology and Sustainable Food Systems, 2018, 42, 121-148.	1.9	26

#	Article	IF	Citations
19	Model vs. experiment to predict crop losses—Response. Science, 2018, 362, 1122-1123.	12.6	0
20	Increase in crop losses to insect pests in a warming climate. Science, 2018, 361, 916-919.	12.6	764
21	Temperature variability is a key component in accurately forecasting the effects of climate change on pest phenology. Pest Management Science, 2017, 73, 380-388.	3.4	3
22	Growing Collaborations: Forecasting Changes in Partnership Networks using a Bottom-Up Approach. , 2017, , .		1
23	Improving Biosecurity through Instructional Crisis Communication: Lessons Learned from the PEDv Outbreak. Journal of Applied Communications, 2017, 101, .	0.5	15
24	Validating spatiotemporal predictions of an important pest of small grains. Pest Management Science, 2015, 71, 131-138.	3.4	7
25	Examining the Competitive Advantage of *Diuraphis noxia* (Hemiptera: *Aphididae*) Biotype 2 Over Biotype 1. Journal of Economic Entomology, 2014, 107, 1471-1475.	1.8	6
26	The Distribution of European Corn Borer (Lepidoptera: Crambidae) Moths in Pivot-Irrigated Corn. Journal of Economic Entomology, 2013, 106, 2084-2092.	1.8	5
27	Spider Fauna of Semiarid Eastern Colorado Agroecosystems: Diversity, Abundance, and Effects of Crop Intensification. Environmental Entomology, 2013, 42, 131-142.	1.4	6
28	Quantifying Russian Wheat Aphid Pest Intensity Across the Great Plains. Environmental Entomology, 2012, 41, 1505-1515.	1.4	8
29	Russian wheat aphid (Hemiptera: Aphididae) reproduction and development on five noncultivated grass hosts. Arthropod-Plant Interactions, 2012, 6, 67-73.	1.1	6
30	Spatial Variability of Western Bean Cutworm (Lepidoptera: Noctuidae) Pheromone Trap Captures in Sprinkler Irrigated Corn in Eastern Colorado. Environmental Entomology, 2011, 40, 654-660.	1.4	4
31	Nonlinear Degree-Day Models for Postdiapause Development of the Sunflower Stem Weevil (Coleoptera: Curculionidae). Journal of Economic Entomology, 2010, 103, 302-307.	1.8	4
32	*Diuraphis noxia* Reproduction and Development With a Comparison of Intrinsic Rates of Increase to Other Important Small Grain Aphids: A Meta-Analysis. Environmental Entomology, 2009, 38, 1061-1068.	1.4	17
33	Modeling Spatial Variation of Russian Wheat Aphid Overwintering Population Densities in Colorado Winter Wheat. Journal of Economic Entomology, 2009, 102, 533-541.	1.8	23
34	Reproductive Rates of Russian Wheat Aphid (Hemiptera: Aphididae) Biotypes 1 and 2 on a Susceptible and a Resistant Wheat at Three Temperature Regimes. Journal of Economic Entomology, 2008, 101, 955-958.	1.8	15
35	Reproduction and Development of Russian Wheat Aphid Biotype 2 on Crested Wheatgrass, Intermediate Wheatgrass, and Susceptible and Resistant Wheat. Journal of Economic Entomology, 2008, 101, 541-545.	1.8	5
36	Reproductive Rates of Russian Wheat Aphid (Hemiptera: Aphididae) Biotypes 1 and 2 on a Susceptible and a Resistant Wheat at Three Temperature Regimes. Journal of Economic Entomology, 2008, 101, 955-958.	1.8	5

#	ARTICLE	IF	CITATIONS
37	Yield Response to Russian Wheat Aphid (Homoptera: Aphididae) in Mixtures of Resistant and Susceptible Winter Wheats. Southwestern Entomologist, 2007, 32, 7-15.	0.2	2
38	Why we need to account for human behavior and decision-making to effectively model the non-linear dynamics of livestock disease. Proceedings of the International Crisis and Risk Communication Conference, 0, 4, 23-28.	0.1	0