

# Marty R Schmer

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

917  
citations

567281

15  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1071  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Long-Term Evidence Shows that Crop-Rotation Diversification Increases Agricultural Resilience to Adverse Growing Conditions in North America. <i>One Earth</i> , 2020, 2, 284-293.  | 6.8  | 219       |
| 2  | Soil Greenhouse Gas Emissions in Response to Corn Stover Removal and Tillage Management Across the US Corn Belt. <i>Bioenergy Research</i> , 2014, 7, 517-527.  | 3.9  | 60        |
| 3  | Can Cover Crop and Manure Maintain Soil Properties After Stover Removal from Irrigated No-Till Corn?. <i>Soil Science Society of America Journal</i> , 2014, 78, 1368-1377.   | 2.2  | 55        |
| 4  | Twelve Years of Stover Removal Increases Soil Erosion Potential without Impacting Yield. <i>Soil Science Society of America Journal</i> , 2015, 79, 1169-1178.  | 2.2  | 54        |
| 5  | Energy Potential and Greenhouse Gas Emissions from Bioenergy Cropping Systems on Marginally Productive Cropland. <i>PLoS ONE</i> , 2014, 9, e89501.   | 2.5  | 53        |
| 6  | Winter oilseed production for biofuel in the US Corn Belt: opportunities and limitations. <i>GCB Bioenergy</i> , 2017, 9, 508-524.  | 5.6  | 48        |
| 7  | Long-term no-till and stover retention each decrease the global warming potential of irrigated continuous corn. <i>Global Change Biology</i> , 2017, 23, 2848-2862.   | 9.5  | 45        |
| 8  | Long-Term Corn and Soybean Response to Crop Rotation and Tillage. <i>Agronomy Journal</i> , 2015, 107, 2241-2252.   | 1.8  | 44        |
| 9  | Crop Rotation Affects Corn, Grain Sorghum, and Soybean Yields and Nitrogen Recovery. <i>Agronomy Journal</i> , 2016, 108, 1592-1602.  | 1.8  | 38        |
| 10 | Corn Residue Use by Livestock in the United States. <i>Agricultural and Environmental Letters</i> , 2017, 2, 160043.  | 1.2  | 35        |
| 11 | Facilitating Crop-Livestock Reintegration in the Northern Great Plains. <i>Agronomy Journal</i> , 2019, 111, 2141-2156.   | 1.8  | 31        |
| 12 | Economic Return versus Crop Water Productivity of Maize for Various Nitrogen Rates under Full Irrigation, Limited Irrigation, and Rainfed Settings in South Central Nebraska. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, . | 1.0  | 24        |
| 13 | Switchgrass Harvest and Storage. <i>Green Energy and Technology</i> , 2012, , 113-127.  | 0.6  | 24        |
| 14 | Management controls the net greenhouse gas outcomes of growing bioenergy feedstocks on marginally productive croplands. <i>Science Advances</i> , 2019, 5, eaav9318.  | 10.3 | 20        |
| 15 | Sub-surface soil carbon changes affects biofuel greenhouse gas emissions. <i>Biomass and Bioenergy</i> , 2015, 81, 31-34.   | 5.7  | 17        |
| 16 | Perennial warm-season grasses for producing biofuel and enhancing soil properties: an alternative to corn residue removal. <i>GCB Bioenergy</i> , 2017, 9, 1510-1521.   | 5.6  | 16        |
| 17 | Residue Harvest Effects on Irrigated, No-Till Corn Yield and Nitrogen Response. <i>Agronomy Journal</i> , 2016, 108, 384-390.   | 1.8  | 14        |
| 18 | Assessing the Value of Grazed Corn Residue for Crop and Cattle Producers. <i>Agricultural and Environmental Letters</i> , 2019, 4, 180066.  | 1.2  | 14        |

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|----|---|-----|-----------|
| 19 | Long-term rotation diversity and nitrogen effects on soil organic carbon and nitrogen stocks. , 2020, 3, e20055.  |     | 14        |
| 20 | Microbial feedbacks on soil organic matter dynamics underlying the legacy effect of diversified cropping systems. Soil Biology and Biochemistry, 2022, 167, 108584.             | 8.8 | 14        |
| 21 | Seasonal belowground metabolism in switchgrass. Plant Journal, 2017, 92, 1059-1075.   | 5.7 | 13        |
| 22 | CQESTR Simulated Changes in Soil Organic Carbon under Residue Management Practices in Continuous Corn Systems. Bioenergy Research, 2016, 9, 23-30.                              | 3.9 | 12        |
| 23 | Field-to-farm gate greenhouse gas emissions from corn stover production in the Midwestern U.S.. Journal of Cleaner Production, 2019, 226, 1116-1127.                            | 9.3 | 11        |
| 24 | Unraveling Crop Residue Harvest Effects on Soil Organic Carbon. Agronomy Journal, 2019, 111, 93-98.   | 1.8 | 11        |
| 25 | Effects of residue removal and tillage on greenhouse gas emissions in continuous corn systems as simulated with RZWQM2. Journal of Environmental Management, 2021, 285, 112097. | 7.8 | 11        |
| 26 | Does No-tillage Mitigate Stover Removal in Irrigated Continuous Corn? A Multi-Location Assessment. Soil Science Society of America Journal, 2019, 83, 733-742.                  | 2.2 | 8         |
| 27 | Irrigation, carbon amelioration, nitrogen, and stover removal effects on continuous corn. Agronomy Journal, 2020, 112, 2506-2518.   | 1.8 | 4         |
| 28 | Late-seeded cover crops in a semiarid environment: overyielding, dominance and subsequent crop yield. Renewable Agriculture and Food Systems, 2021, 36, 587-598.                | 1.8 | 4         |
| 29 | Sugarcane Straw Blanket Management Effects on Plant Growth, Development, and Yield in Southeastern Brazil. Crop Science, 2019, 59, 1732-1744.                                   | 1.8 | 2         |
| 30 | Soil Greenhouse Gas Responses to Biomass Removal in the Annual and Perennial Cropping Phases of an Integrated Crop Livestock System. Agronomy, 2021, 11, 1416.                  | 3.0 | 1         |
| 31 | Long term agroecosystem research experimental watershed network. Hydrological Processes, 2022, 36, .  | 2.6 | 1         |