

# Amanda Ashworth

## List of Publications by Year in descending order

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96  
papers

1,454  
citations

394421

19  
h-index

434195

31  
g-index

98  
all docs

98  
docs citations

98  
times ranked

1519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating optimum seeding distances from subsurface banding poultry litter in crop rotations. <i>Agricultural and Environmental Letters</i> , 2022, 7, .	1.2	2
2	Linking and Sharing Technology: Partnerships for Data Innovations for Management of Agricultural Big Data. <i>Data</i> , 2022, 7, 12.	2.3	6
3	Multivariate evaluation of watershed health based on longitudinal pasture management. <i>Science of the Total Environment</i> , 2022, 824, 153725.	8.0	7
4	Long-term conservation agriculture effects on corn profitability in West Tennessee. <i>Crop Science</i> , 2022, 62, 1348-1359.	1.8	3
5	Long-Term Sustainability Implications of Diverse Commercial Pollinator Mixtures for the Conservation Reserve Program. <i>Agronomy</i> , 2022, 12, 549.	3.0	0
6	Spatial monitoring technologies for coupling the soil plant water animal nexus. <i>Scientific Reports</i> , 2022, 12, 3508.	3.3	5
7	Soil Organic Carbon and Nutrients Affected by Tree Species and Poultry Litter in a 17-Year Agroforestry Site. <i>Agronomy</i> , 2022, 12, 641.	3.0	8
8	Selecting soil hydraulic properties as indicators of soil health: Measurement response to management and site characteristics. <i>Soil Science Society of America Journal</i> , 2022, 86, 1206-1226.	2.2	18
9	Long-term effects of pasture management and fenced riparian buffers on soil organic carbon content and aggregation. <i>Geoderma</i> , 2021, 382, 114666.	5.1	11
10	Soil quality indices as affected by long-term burning, irrigation, tillage, and fertility management. <i>Soil Science Society of America Journal</i> , 2021, 85, 379-395.	2.2	15
11	Root decomposition in silvopastures is influenced by grazing, fertility, and grass species. , 2021, 4, e20190.		14
12	Factors Affecting Sugar Accumulation and Fluxes in Warm- and Cool-Season Forages Grown in a Silvopastoral System. <i>Agronomy</i> , 2021, 11, 354.	3.0	15
13	Conservation management practices reduce non-point source pollution from grazed pastures. <i>Heliyon</i> , 2021, 7, e06238.	3.2	8
14	Simulating the Feasibility of Dual Use Switchgrass on Cow-Calf Operations. <i>Energies</i> , 2021, 14, 2422.	3.1	1
15	Do Long-Term Conservation Pasture Management Practices Influence Microbial Diversity and Antimicrobial Resistant Genes in Runoff?. <i>Frontiers in Microbiology</i> , 2021, 12, 617066.	3.5	1
16	Soil microbial diversity in organic and non-organic pasture systems. <i>PeerJ</i> , 2021, 9, e11184.	2.0	11
17	Evaluation of a Novel Poultry Litter Amendment on Greenhouse Gas Emissions. <i>Atmosphere</i> , 2021, 12, 563.	2.3	11
18	Crop rotation, cover crop, and poultry litter effects on no-tillage cotton profitability. <i>Agronomy Journal</i> , 2021, 113, 2648-2663.	1.8	1

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19	Using a browntop millet companion crop to aid native grass establishment. <i>Agronomy Journal</i> , 2021, 113, 3210-3221.	1.8	6
20	Variations in bacterial community structure and antimicrobial resistance gene abundance in cattle manure and poultry litter. <i>Environmental Research</i> , 2021, 197, 111011.	7.5	21
21	Soil bacterial diversity based on management and topography in a silvopastoral system. <i>Applied Soil Ecology</i> , 2021, 163, 103918.	4.3	21
22	Teasing Apart Silvopasture System Components Using Machine Learning for Optimization. <i>Soil Systems</i> , 2021, 5, 41.	2.6	9
23	Mapping Soil Properties to Advance the State of Spatial Soil Information for Greater Food Security on US Tribal Lands. <i>Frontiers in Soil Science</i> , 2021, 1, .	2.2	5
24	Preferential flow under high-intensity short-duration irrigation events in soil columns from a karst and nonkarst landscape. <i>Vadose Zone Journal</i> , 2021, 20, e20160.	2.2	6
25	Post-digestate composting benefits and the role of enzyme activity to predict trace element immobilization and compost maturity. <i>Bioresource Technology</i> , 2021, 338, 125550.	9.6	25
26	Post-digestate composting shifts microbial composition and degrades antimicrobial resistance genes. <i>Bioresource Technology</i> , 2021, 340, 125662.	9.6	12
27	Economic and GHG emissions changes of aeration and gypsum application. <i>Agriculture, Ecosystems and Environment</i> , 2021, 321, 107616.	5.3	0
28	Soil quality assessment of an agroforestry system following long-term management in the Ozark Highlands. , 2021, 4, e20194.		7
29	Soil CO <sub>2</sub> evolution is driven by forage species, soil moisture, grazing pressure, poultry litter fertilization, and seasonality in silvopastures. , 2021, 4, e20179.		10
30	Relating topography and soil phosphorus distribution in litter-amended pastures in Arkansas. , 2021, 4, e20207.		2
31	Long-term cropping systems management influences soil strength and nutrient cycling. <i>Geoderma</i> , 2020, 361, 114062.	5.1	36
32	Tractor path overlap is influenced by field shape and terrain attributes. <i>Agricultural and Environmental Letters</i> , 2020, 5, e20027.	1.2	2
33	Comparison of discriminatory effects of corn yield test locations based on their genetic variation expression among hybrids. <i>Crop Science</i> , 2020, 60, 3166-3174.	1.8	2
34	Water-Use Efficiency of Forage Crops in the Southeastern United States. <i>Agronomy</i> , 2020, 10, 1377.	3.0	2
35	Spatially and temporally disparate data in systems agriculture: Issues and prospective solutions. <i>Agronomy Journal</i> , 2020, 112, 4498-4510.	1.8	19
36	Tractor guidance improves production efficiency by reducing overlaps and gaps. <i>Agricultural and Environmental Letters</i> , 2020, 5, e20012.	1.2	9

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37	Soil quality indices following long-term conservation pasture management practices. <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107060.	5.3	17
38	Effect of a New Manure Amendment on Ammonia Emissions from Poultry Litter. <i>Atmosphere</i> , 2020, 11, 257.	2.3	13
39	Switchgrass nitrogen fertility response and nutrient cycling in a hay system. <i>Agronomy Journal</i> , 2020, 112, 1963-1971.	1.8	5
40	Effect of seeding distance from subsurface banded poultry litter on corn yield and leaf greenness. <i>Agronomy Journal</i> , 2020, 112, 1679-1689.	1.8	5
41	Simulating switchgrass biomass productivity using ALMANAC. I. Calibration of soil water. <i>Agronomy Journal</i> , 2020, 112, 183-193.	1.8	2
42	Long-term effects of grazing management and buffer strips on phosphorus runoff from pastures fertilized with poultry litter. <i>Journal of Environmental Quality</i> , 2020, 49, 85-96.	2.0	15
43	Soil quality indices based on long-term conservation cropping systems management. , 2020, 3, e20036.		20
44	Comparing yield trial locations based on their elicited expressions of genetic variance among soybean cultivars. <i>Crop Science</i> , 2020, 60, 1313-1324.	1.8	2
45	Antimicrobial resistant gene prevalence in soils due to animal manure deposition and long-term pasture management. <i>PeerJ</i> , 2020, 8, e10258.	2.0	13
46	Relationship of Anti-Mullerian Hormone to Reproductive Traits in Katahdin Ewes Bred in Late Spring or Fall. <i>Advances in Reproductive Sciences</i> , 2020, 08, 48-56.	0.1	3
47	Grazing Management and Buffer Strip Impact on Nitrogen Runoff from Pastures Fertilized with Poultry Litter. <i>Journal of Environmental Quality</i> , 2019, 48, 297-304.	2.0	22
48	Review of Antibiotic Resistance, Ecology, Dissemination, and Mitigation in U.S. Broiler Poultry Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 2639.	3.5	43
49	A Historical Review on Antibiotic Resistance of Foodborne <i>Campylobacter</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1509.	3.5	62
50	Global Meta-Analysis of Cotton Yield and Weed Suppression from Cover Crops. <i>Crop Science</i> , 2019, 59, 1248-1261.	1.8	22
51	Spatial Distribution of Soil Phosphorus, Calcium, and pH after Long-term Broiler Litter Application. <i>Journal of Environmental Quality</i> , 2019, 48, 594-602.	2.0	1
52	Are soils beneath coniferous tree stands more acidic than soils beneath deciduous tree stands?. <i>Environmental Science and Pollution Research</i> , 2019, 26, 14920-14929.	5.3	11
53	Carbon sequestration and nitrogen uptake in a temperate silvopasture system. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 114, 85-98.	2.2	25
54	Spatial Soil Nutrient-Plant-Herbivore Linkages: A Case Study from Two Poultry Litter-Amended Pastures in Northwest Arkansas. , 2019, 2, 1-7.		3

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55	Switchgrass Forage Yield and Compositional Response to Phosphorus and Potassium. , 2019, 2, 1-8.		7
56	Soil bacterial biodiversity is driven by long-term pasture management, poultry litter, and cattle manure inputs. PeerJ, 2019, 7, e7839.	2.0	32
57	White (&lt;i>Trifolium repens&lt;/i>) and Arrowleaf (&lt;i>Trifolium vesiculosum&lt;/i> Savi) Clover Emergence in Varying Loblolly Pine (&lt;i>Pinus taeda&lt;/i>) Tree Alley Spacings. American Journal of Plant Sciences. 2019, 10, 659-669.	0.8	0
58	Predicted harvest time effects on switchgrass moisture content, nutrient concentration, yield, and profitability. Biomass and Bioenergy, 2018, 108, 74-89.	5.7	7
59	Using SketchUp to Simulate Tree Row Azimuth Effects on Alley Shading. Agronomy Journal, 2018, 110, 425-430.	1.8	1
60	Crop Rotations and Poultry Litter Affect Dynamic Soil Chemical Properties and Soil Biota Long Term. Journal of Environmental Quality, 2018, 47, 1327-1338.	2.0	25
61	Topographic Controls on Soil Nutrient Variations in a Silvopasture System. , 2018, 1, 1-15.		46
62	Fertilizer Recommendations for Switchgrass: Quantifying Economic Effects on Quality and Yield. Agronomy Journal, 2018, 110, 1854-1861.	1.8	9
63	Economic and Environmental Impact Assessment of Tractor Guidance Technology. Agricultural and Environmental Letters, 2018, 3, 180038.	1.2	9
64	Global meta-analysis reveals agro-grassland productivity varies based on species diversity over time. PLoS ONE, 2018, 13, e0200274.	2.5	15
65	A decision-support system for analyzing tractor guidance technology. Computers and Electronics in Agriculture, 2018, 153, 115-125.	7.7	7
66	Growth Rates of Giant Miscanthus (&lt;i>Miscanthus&lt;/i> #215; &lt;i>giganteus&lt;/i>) and Giant Reed (&lt;i>Arundo donax&lt;/i>) in a Low-Input System in Arkansas, USA. American Journal of Plant Sciences, 2018, 09, 2371-2384.	0.8	5
67	Earthworm populations are affected from long-term crop sequences and bio-covers under no-tillage. Pedobiologia, 2017, 60, 27-33.	1.2	39
68	Ratoon cold tolerance of Pennisetum, Erianthus, and Saccharum bioenergy feedstocks. Industrial Crops and Products, 2017, 109, 327-334.	5.2	6
69	Microbial community structure is affected by cropping sequences and poultry litter under long-term no-tillage. Soil Biology and Biochemistry, 2017, 114, 210-219.	8.8	130
70	Switchgrass Compositional Variations Arising from Spatial Distribution and Legume Intercropping. Communications in Soil Science and Plant Analysis, 2017, 48, 1473-1485.	1.4	1
71	N2 Fixation of Common and Hairy Vetches when Intercropped into Switchgrass. Agronomy, 2017, 7, 39.	3.0	4
72	Impact of Crop Rotations and Soil Amendments on Long-Term No-Tilled Soybean Yield. Agronomy Journal, 2017, 109, 938-946.	1.8	22

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73	Switchgrass Growth and Effects on Biomass Accumulation, Moisture Content, and Nutrient Removal. <i>Agronomy Journal</i> , 2017, 109, 1359-1367.	1.8	27
74	Switchgrass Cultivar, Yield, and Nutrient Removal Responses to Harvest Timing. <i>Agronomy Journal</i> , 2017, 109, 2598-2605.	1.8	5
75	Long-Term Corn Yield Impacted by Cropping Rotations and Bio-Covers under No-Tillage. <i>Agronomy Journal</i> , 2016, 108, 1495-1502.	1.8	23
76	Evaluation of Small Grain Cover Crops to Enhance Switchgrass Establishment. <i>Crop Science</i> , 2016, 56, 2062-2071.	1.8	8
77	Displacing Inorganic Nitrogen in Lignocellulosic Feedstock Production Systems. <i>Agronomy Journal</i> , 2016, 108, 109-116.	1.8	17
78	Extending the Fall Harvest Window of Switchgrass on the Basis of Phosphorus and Potassium Tissue Concentrations. <i>Crop Science</i> , 2016, 56, 1288-1295.	1.8	4
79	Dormantâ€Season Planting and Seedâ€Dormancy Impacts on Switchgrass Establishment and Yield. <i>Crop Science</i> , 2016, 56, 474-483.	1.8	8
80	Switchgrass composition and yield response to alternative soil amendments under intensified heat and drought conditions. <i>Agriculture, Ecosystems and Environment</i> , 2016, 233, 415-424.	5.3	12
81	Biomass and integrated forage/biomass yields of switchgrass as affected by intercropped cool- and warm-season legumes. <i>Journal of Soils and Water Conservation</i> , 2016, 71, 21-28.	1.6	10
82	Comparison of Near Infrared Reflectance Spectroscopy with Combustion and Chemical Methods for Soil Carbon Measurements in Agricultural Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 731-742.	1.4	4
83	Organic substrate, clay type, texture, and water influence on NIR carbon measurements. <i>Geoderma</i> , 2016, 261, 36-43.	5.1	38
84	Switchgrass yield and stand dynamics from legume intercropping based on seeding rate and harvest management. <i>Journal of Soils and Water Conservation</i> , 2015, 70, 374-384.	1.6	19
85	Biologically Fixed Nitrogen in Legume Intercropped Systems: Comparison of Nitrogen-Difference and Nitrogen-15 Enrichment Techniques. <i>Agronomy Journal</i> , 2015, 107, 2419-2430.	1.8	27
86	Environmental impact assessment of regional switchgrass feedstock production comparing nitrogen input scenarios and legume-intercropping systems. <i>Journal of Cleaner Production</i> , 2015, 87, 227-234.	9.3	41
87	Switchgrass Harvest Time Effects on Nutrient Use and Yield: An Economic Analysis. <i>Journal of Agricultural &amp; Applied Economics</i> , 2014, 46, 487-507.	1.4	22
88	Characterization of Biochar from Switchgrass Carbonization. <i>Energies</i> , 2014, 7, 548-567.	3.1	137
89	Soil Organic Carbon Sequestration Rates under Crop Sequence Diversity, Bioâ€Covers, and Noâ€Tillage. <i>Soil Science Society of America Journal</i> , 2014, 78, 1726-1733.	2.2	30
90	Yield and Stand Persistence of Switchgrass as Affected by Cutting Height and Variety. <i>Forage and Grazinglands</i> , 2013, 11, FG-2013-0043-RS.	0.2	6

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91	Nutrient Characteristics of Poultry Manure and Litter. ASA Special Publication, 0, , 63-87.	0.8	29
92	Evaluating tree growth factors into species-specific functional soil maps for improved agroforestry system efficiency. Agroforestry Systems, 0, , 1.	2.0	5
93	Wheat cover crop and seed treatment for improving native warm-season grass establishment. Crop, Forage and Turfgrass Management, 0, , .	0.6	0
94	Subsurface banding poultry litter influences edamame yield, forage quality, and leaf greenness. Agronomy Journal, 0, , .	1.8	0
95	Preferential transport of phosphorus from surface-applied poultry litter in soils from karst and non-karst landscapes. Soil Science Society of America Journal, 0, , .	2.2	0
96	Twenty-year phosphorus trends in forage systems receiving aluminum sulfate treated poultry litter. Agronomy Journal, 0, , .	1.8	1