

Burton C English

List of Publications by Year in descending order

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107
papers

2,006
citations

304743

22
h-index

302126

39
g-index

110
all docs

110
docs citations

110
times ranked

1944
citing authors

#	ARTICLE	IF	CITATIONS
1	Farmer willingness to grow switchgrass for energy production. <i>Biomass and Bioenergy</i> , 2007, 31, 773-781.	5.7	154
2	Influence of pyrolysis condition on switchgrass bio-oil yield and physicochemical properties. <i>Bioresource Technology</i> , 2009, 100, 5305-5311.	9.6	107
3	Effects of No-Till on Yields as Influenced by Crop and Environmental Factors. <i>Agronomy Journal</i> , 2012, 104, 530-541.	1.8	90
4	Yield and Breakeven Price of Alamo™ Switchgrass for Biofuels in Tennessee. <i>Agronomy Journal</i> , 2009, 101, 1234-1242.	1.8	88
5	Sixty Billion Gallons by 2030: Economic and Agricultural Impacts of Ethanol and Biodiesel Expansion. <i>American Journal of Agricultural Economics</i> , 2007, 89, 1290-1295.	4.3	63
6	Genetic Progress in Soybean of the U.S. Midsouth. <i>Crop Science</i> , 2001, 41, 993-998.	1.8	59
7	Factors affecting farmer adoption of remotely sensed imagery for precision management in cotton production. <i>Precision Agriculture</i> , 2008, 9, 195-208.	6.0	58
8	Intensity of Precision Agriculture Technology Adoption by Cotton Producers. <i>Agricultural and Resource Economics Review</i> , 2011, 40, 133-144.	1.1	57
9	Cost evaluation of alternative switchgrass producing, harvesting, storing, and transporting systems and their logistics in the Southeastern USA. <i>Agricultural Finance Review</i> , 2010, 70, 184-200.	1.3	56
10	A Logit Analysis of Participation in Tennessee's Forest Stewardship Program. <i>Journal of Agricultural & Applied Economics</i> , 1994, 26, 463-472.	1.4	53
11	Analysis of factors affecting willingness to produce switchgrass in the southeastern United States. <i>Biomass and Bioenergy</i> , 2012, 39, 159-167.	5.7	51
12	Consumer purchase intentions for flexible-fuel and hybrid-electric vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2013, 18, 9-15.	6.8	46
13	Economic Competitiveness of Bioenergy Production and Effects on Agriculture of the Southern Region. <i>Journal of Agricultural & Applied Economics</i> , 2006, 38, 389-402.	1.4	45
14	Timing of precision agriculture technology adoption in US cotton production. <i>Precision Agriculture</i> , 2014, 15, 427-446.	6.0	44
15	Switchgrass Yield Response Functions and Profit-Maximizing Nitrogen Rates on Four Landscapes in Tennessee. <i>Agronomy Journal</i> , 2012, 104, 1579-1588.	1.8	42
16	Willingness to pay for E85 from corn, switchgrass, and wood residues. <i>Energy Economics</i> , 2010, 32, 1253-1262.	12.1	37
17	Techno-Economic Analysis of decentralized preprocessing systems for fast pyrolysis biorefineries with blended feedstocks in the southeastern United States. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110881.	16.4	34
18	Effect of dry matter loss on profitability of outdoor storage of switchgrass. <i>Biomass and Bioenergy</i> , 2012, 44, 33-41.	5.7	29

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19	Consumers' Willingness to Pay for Eco-Certified Wood Products. <i>Journal of Agricultural & Applied Economics</i> , 2004, 36, 617-626.	1.4	27
20	Perceived importance of precision farming technologies in improving phosphorus and potassium efficiency in cotton production. <i>Precision Agriculture</i> , 2007, 8, 127-137.	6.0	27
21	Determining a geographic high resolution supply chain network for a large scale biofuel industry. <i>Applied Energy</i> , 2018, 218, 266-281.	10.1	27
22	The Pricing of Revenue Assurance. <i>American Journal of Agricultural Economics</i> , 1997, 79, 439-451.	4.3	26
23	Multifunctional perennial production systems for bioenergy: performance and progress. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2020, 9, e375.	4.1	26
24	Stewardship Incentives in Forestry: Participation Factors in Tennessee. <i>Southern Journal of Applied Forestry</i> , 1997, 21, 5-10.	0.3	24
25	Effects of soil type and landscape on yield and profit maximizing nitrogen rates for switchgrass production. <i>Biomass and Bioenergy</i> , 2013, 48, 33-42.	5.7	24
26	Consumer preferences for eco-friendly attributes in disposable dinnerware. <i>Resources, Conservation and Recycling</i> , 2020, 161, 104965.	10.8	23
27	A Binary Logit Estimation of Factors Affecting Adoption of GPS Guidance Systems by Cotton Producers. <i>Journal of Agricultural & Applied Economics</i> , 2008, 40, 345-355.	1.4	22
28	Analyzing Economic and Environmental Performance of Switchgrass Biofuel Supply Chains. <i>Bioenergy Research</i> , 2016, 9, 566-577.	3.9	22
29	Factors Influencing Farmer Adoption of Portable Computers for Site-Specific Management: A Case Study for Cotton Production. <i>Journal of Agricultural & Applied Economics</i> , 2010, 42, 193-209.	1.4	21
30	Effect of land use change for bioenergy production on feedstock cost and water quality. <i>Applied Energy</i> , 2018, 210, 580-590.	10.1	20
31	Economic Impacts of Using Switchgrass as a Feedstock for Ethanol Production: A Case Study Located in East Tennessee. <i>Economics Research International</i> , 2013, 2013, 1-14.	0.5	19
32	Assessing multimetric aspects of sustainability: Application to a bioenergy crop production system in East Tennessee. <i>Ecosphere</i> , 2016, 7, e01206.	2.2	19
33	Simultaneous Adoption of Herbicide-Resistant and Conservation-Tillage Cotton Technologies. <i>Journal of Agricultural & Applied Economics</i> , 2006, 38, 629-643.	1.4	18
34	Grid soil sampling adoption and abandonment in cotton production. <i>Precision Agriculture</i> , 2010, 11, 135-147.	6.0	18
35	Expanded ethanol production: Implications for agriculture, water demand, and water quality. <i>Biomass and Bioenergy</i> , 2010, 34, 1586-1596.	5.7	18
36	Effect of outdoor storage losses on feedstock inventory management and plant-gate cost for a switchgrass conversion facility in East Tennessee. <i>Renewable Energy</i> , 2015, 74, 803-814.	8.9	18

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37	Regional woody biomass supply and economic impacts from harvesting in the southern U.S. <i>Energy Economics</i> , 2016, 60, 151-161.	12.1	18
38	Targeting payments for forest carbon sequestration given ecological and economic objectives. <i>Forest Policy and Economics</i> , 2019, 100, 214-226.	3.4	18
39	Factors Influencing the Selection of Precision Farming Information Sources by Cotton Producers. <i>Agricultural and Resource Economics Review</i> , 2011, 40, 307-320.	1.1	17
40	CATTLE PRODUCERS'™ WILLINGNESS TO ADOPT OR EXPAND PRESCRIBED GRAZING IN THE UNITED STATES. <i>Journal of Agricultural & Applied Economics</i> , 2015, 47, 213-242.	1.4	17
41	Evaluating the Returns to Variable Rate Nitrogen Application. <i>Journal of Agricultural & Applied Economics</i> , 2000, 32, 133-143.	1.4	16
42	Analysis of environmental and economic tradeoffs in switchgrass supply chains for biofuel production. <i>Energy</i> , 2016, 107, 791-803.	8.8	16
43	Cost and Profitability Analysis of a Prospective Pennycress to Sustainable Aviation Fuel Supply Chain in Southern USA. <i>Energies</i> , 2019, 12, 3055.	3.1	16
44	Economic Comparison of Herbicides for Johnsongrass (<i>Sorghum halepense</i>) Control in Glyphosate-Tolerant Soybean (<i>Glycine max</i>). <i>Weed Technology</i> , 1999, 13, 30-36.	0.9	15
45	Effects of high-pressure homogenization on physicochemical properties and storage stability of switchgrass bio-oil. <i>Fuel Processing Technology</i> , 2009, 90, 415-421.	7.2	15
46	Designing a Dedicated Energy Crop Supply System in Tennessee: A Multiobjective Optimization Analysis. <i>Journal of Agricultural & Applied Economics</i> , 2014, 46, 357-373.	1.4	15
47	Impacts of uncertain feedstock quality on the economic feasibility of fast pyrolysis biorefineries with blended feedstocks and decentralized preprocessing sites in the Southeastern United States. <i>GCB Bioenergy</i> , 2020, 12, 1014-1029.	5.6	15
48	Evaluating a tax-based subsidy approach for forest carbon sequestration. <i>Environmental Conservation</i> , 2017, 44, 234-243.	1.3	14
49	Agricultural Impacts of Biofuels Production. <i>Journal of Agricultural & Applied Economics</i> , 2007, 39, 365-372.	1.4	13
50	Policy uncertainty and the optimal investment decisions of second-generation biofuel producers. <i>Energy Economics</i> , 2018, 76, 89-100.	12.1	13
51	Stochastic optimization of cellulosic biofuel supply chain incorporating feedstock yield uncertainty. <i>Energy Procedia</i> , 2019, 158, 1009-1014.	1.8	13
52	Impact of government subsidies on a cellulosic biofuel sector with diverse risk preferences toward feedstock uncertainty. <i>Energy Policy</i> , 2020, 146, 111737.	8.8	13
53	Woody biomass potential for energy feedstock in United States. <i>Journal of Forest Economics</i> , 2014, 20, 174-191.	0.2	12
54	Influence of particle size and packaging on storage dry matter losses for switchgrass. <i>Biomass and Bioenergy</i> , 2015, 73, 135-144.	5.7	12

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55	Supply chain and logistic optimization of industrial Spent Microbial Biomass distribution as a soil amendment for field crop production. Resources, Conservation and Recycling, 2019, 146, 218-231.	10.8	12
56	Investigating the impact of biomass quality on near-infrared models for switchgrass feedstocks. AIMS Bioengineering, 2015, 3, 1-22.	1.1	12
57	Estimating the demand and willingness-to-pay for cotton yield monitors. Precision Agriculture, 2010, 11, 215-238.	6.0	11
58	Economic analysis of alternative logistics systems for Tennessee-produced switchgrass to penetrate energy markets. Biomass and Bioenergy, 2016, 85, 25-34.	5.7	11
59	A Binary Logit Estimation of Factors Affecting Adoption of GPS Guidance Systems by Cotton Producers. Journal of Agricultural & Applied Economics, 2008, 40, 345-355.	1.4	10
60	Factors Affecting Perceived Improvements in Environmental Quality from Precision Farming. Journal of Agricultural & Applied Economics, 2005, 37, 577-588.	1.4	9
61	Economic Impacts of Carbon Taxes and Biomass Feedstock Usage in Southeastern United States Coal Utilities. Journal of Agricultural & Applied Economics, 2007, 39, 103-119.	1.4	9
62	Estimating Annualized Riparian Buffer Costs for the Harpeth River Watershed. Applied Economic Perspectives and Policy, 2009, 31, 894-913.	1.0	9
63	A Principal Component Analysis in Switchgrass Chemical Composition. Energies, 2016, 9, 913.	3.1	8
64	Soil Carbon Dioxide Respiration in Switchgrass Fields: Assessing Annual, Seasonal and Daily Flux Patterns. Soil Systems, 2018, 2, 13.	2.6	8
65	Farmer Willingness to Supply Poultry Litter for Energy Conversion and to Invest in an Energy Conversion Cooperative. Journal of Agricultural & Applied Economics, 2010, 42, 105-119.	1.4	7
66	Breakeven price of biomass from switchgrass, big bluestem, and Indiangrass in a dual-purpose production system in Tennessee. Biomass and Bioenergy, 2015, 83, 284-289.	5.7	7
67	Farmer Interest in and Willingness to Grow Pennycress as an Energy Feedstock. Energies, 2021, 14, 2066.	3.1	7
68	Assessing Spatial Break-even Variability in Fields with Two or More Management Zones. Journal of Agricultural & Applied Economics, 2001, 33, 551-565.	1.4	6
69	Biomass supply and nutrient runoff abatement under alternative biofuel feedstock production subsidies. Agricultural Systems, 2015, 139, 250-259.	6.1	6
70	US alternative jet fuel deployment scenario analyses identifying key drivers and geospatial patterns for the first billion gallons. Biofuels, Bioproducts and Biorefining, 2019, 13, 471-485.	3.7	6
71	Differences in Glyphosate-Resistant Weed Management Practices over Time and Regions. Weed Technology, 2016, 30, 1-12.	0.9	5
72	Co-firing switchgrass in a 60-megawatt pulverized coal-fired boiler: Effects on combustion behavior and pollutant emissions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 322-329.	2.3	5

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73	“Resistance is futile” estimating the costs of managing herbicide resistance as a first-order Markov process and the case of U.S. upland cotton producers. <i>Agricultural Economics (United Kingdom)</i> , 2017, 48, 387-396.	3.9	5
74	Local effects of climate change on row crop production and irrigation adoption. <i>Climate Risk Management</i> , 2021, 32, 100293.	3.2	5
75	Greenhouse gas emission reductions as a motivator of e85 purchases across market segments. <i>Energy, Sustainability and Society</i> , 2012, 2, .	3.8	4
76	Effects of Demographics and Attitudes on Willingness-to-Pay for Fuel Import Reductions through Ethanol Purchases. <i>Agriculture (Switzerland)</i> , 2012, 2, 165-181.	3.1	4
77	Changes in Producers' Perceptions of Within-Field Yield Variability after Adoption of Cotton Yield Monitors. <i>Journal of Agricultural & Applied Economics</i> , 2013, 45, 295-312.	1.4	4
78	Investigating Lock Delay on the Upper Mississippi River: a Spatial Panel Analysis. <i>Networks and Spatial Economics</i> , 2019, 19, 275-291.	1.6	4
79	Seasonal Hay Feeding for Cattle Production in the Fescue Belt. <i>Journal of Agricultural & Applied Economics</i> , 2020, 52, 16-29.	1.4	4
80	Rank-Ordered Analysis of Consumer Preferences for the Attributes of a Value-Added Biofuel Co-Product. <i>Sustainability</i> , 2020, 12, 2363.	3.2	4
81	Outdoor Home Gardener Preferences for Environmental Attributes in Gardening Supplies and Use of Ecofriendly Gardening Practices. <i>HortTechnology</i> , 2020, 30, 552-563.	0.9	4
82	Optimal Nitrogen Fertilization Rates in Winter Wheat Production as Affected by Risk, Disease, and Nitrogen Source. <i>Journal of Agricultural & Applied Economics</i> , 2004, 36, 199-211.	1.4	3
83	Projected changes in stream system nitrogen runoff associated with a mature cellulosic ethanol industry in the southeastern United States. <i>Land Use Policy</i> , 2016, 56, 291-302.	5.6	3
84	Soil Organic Carbon Changes for Switchgrass Farms in East Tennessee, USA. <i>Soil Systems</i> , 2018, 2, 25.	2.6	3
85	Estimating the Rebound Effect of the U.S. Road Freight Transport. <i>Transportation Research Record</i> , 2021, 2675, 165-174.	1.9	3
86	Role of complementary and competitive relationships among multiple objectives in conservation investment decisions. <i>Forest Policy and Economics</i> , 2021, 131, 102569.	3.4	3
87	Regional Economic Impacts of Biochemical and Pyrolysis Biofuel Production in the Southeastern US: A Systems Modeling Approach. <i>Agricultural Sciences</i> , 2016, 07, 407-419.	0.3	3
88	Biofuel Discount Rates and Stochastic Techno-Economic Analysis for a Prospective Pennycress (<i>Thlaspi arvense</i> L.) Sustainable Aviation Fuel Supply Chain. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	3
89	TOWARD CONTROLLING NONPOINT SOURCE POLLUTION OF GROUNDWATER: A HIERARCHICAL POLICY FORMULATION GAME. <i>Natural Resource Modelling</i> , 1998, 11, 379-403.	2.0	2
90	Automatic Section Control Technologies and GPS Auto-guidance Systems Adoption in Cotton Production. <i>Journal of Agricultural Science</i> , 2018, 10, 282.	0.2	2

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91	Profitability of irrigating for corn, cotton, and soybeans under projected drought scenarios in the Southeastern United States. <i>Irrigation Science</i> , 2021, 39, 315-328.	2.8	2
92	Consumer Preferences and Willingness to Pay for Potting Mix with Biochar. <i>Energies</i> , 2021, 14, 3432.	3.1	2
93	Economic Impacts from an On-Farm Highly Pathogenic Avian Influenza Event in Tennessee. <i>Review of Regional Studies</i> , 2020, 50, .	0.3	2
94	Analyzing the Trade-Offs between Meeting Biorefinery Production Capacity and Feedstock Supply Cost: A Chance Constrained Approach. <i>Energies</i> , 2021, 14, 4763.	3.1	1
95	Estimated Economic Impacts of the 2019 Midwest Floods. <i>Economics of Disasters and Climate Change</i> , 2021, 5, 431.	2.2	1
96	Impact of an innovated storage technology on the quality of preprocessed switchgrass bales. <i>AIMS Bioengineering</i> , 2016, 3, 125-138.	1.1	1
97	Optimal N Application Rates on Switchgrass for Producers and a Biorefinery. <i>Energies</i> , 2021, 14, 7912.	3.1	1
98	Does a trade-off exist between economic and environmental impacts of forest carbon payment programs?. <i>Sustainability Science</i> , 2022, 17, 2031-2047.	4.9	1
99	Economic Analysis of Developing a Sustainable Aviation Fuel Supply Chain Incorporating With Carbon Credits: A Case Study of the Memphis International Airport. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	1
100	Cotton Acreage Response and Fertilizer Use. <i>Journal of Production Agriculture</i> , 1992, 5, 158-162.	0.4	0
101	The flexible planting program: divergent national and regional economic impacts. <i>International Journal of Public Administration</i> , 1995, 18, 149-165.	2.3	0
102	Evaluating the Optimal Logistics System of Biomass Feedstocks for a Biorefinery with Alternative Harvest, Storage and Preprocessing Options: A Case Study of East Tennessee. , 2011, , .		0
103	Optimal Fertilizer Application and Crop Choice between A Perennial Bioenergy Feedstock and an Annual Crop. <i>Journal of Agriculture and Environmental Sciences</i> , 2015, 4, .	0.0	0
104	Dedicated Energy Crop Supply Chain and Associated Feedstock Transportation Emissions: A Case Study of Tennessee. <i>Journal of the Transportation Research Forum</i> , 0, , .	0.2	0
105	Soil Carbon Dioxide Respiration in Switch Grass Fields: Assessing Annual, Seasonal and Daily Flux Patterns. <i>Journal of Agriculture and Environmental Sciences</i> , 2017, 6, .	0.0	0
106	Variable-Rate Application on Fertilizer Use in Cotton Production. <i>Journal of Agricultural Science</i> , 2018, 10, 40.	0.2	0
107	A Multiregional Input-Output Analysis of Water Withdrawals in the Southeastern United States. <i>Review of Regional Studies</i> , 0, , .	0.3	0