

Robert Grisso

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

545
citations

840776

11
h-index

677142

22
g-index

54
all docs

54
docs citations

54
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	A Stress State Transducer for Soil. Transactions of the American Society of Agricultural Engineers, 1987, 30, 1237-1241.	0.9	89
2	PREDICTING TRACTOR FUEL CONSUMPTION. Applied Engineering in Agriculture, 2004, 20, 553-561.	0.7	70
3	Tillage Implement Forces Operating in Silty Clay Loam. Transactions of the American Society of Agricultural Engineers, 1996, 39, 1977-1982.	0.9	58
4	Containerized handling to minimize hauling cost of herbaceous biomass. Biomass and Bioenergy, 2008, 32, 308-313.	5.7	57
5	Long Term Tillage Effects on Grain Yield and Soil Properties in a Soybean/Grain Sorghum Rotation. Journal of Production Agriculture, 1994, 7, 465-470.	0.4	34
6	Harvest schedule to fill storage for year-round delivery of grasses to biorefinery. Biomass and Bioenergy, 2013, 55, 331-338.	5.7	26
7	An empirical model for tractive performance of rubber-tracks in agricultural soils. Journal of Terramechanics, 2006, 43, 225-236.	3.1	25
8	The Cost of Misapplication of Herbicides. Applied Engineering in Agriculture, 1989, 5, 344-347.	0.7	18
9	Spreadsheet for Matching Tractors and Drawn Implements. Applied Engineering in Agriculture, 2007, 23, 259-265.	0.7	15
10	Fuel Prediction for Specific Tractor Models. Applied Engineering in Agriculture, 2008, 24, 423-428.	0.7	14
11	Review of Models for Predicting Performance of Narrow Tillage Tool. Transactions of the American Society of Agricultural Engineers, 1985, 28, 1062-1067.	0.9	12
12	Causes of Fatalities in Older Farmers vs. Perception of Risk. Journal of Agromedicine, 1998, 5, 13-22.	1.5	8
13	The Influence of Stress Path on Distortion During Soil Compaction. Transactions of the American Society of Agricultural Engineers, 1987, 30, 1302-1307.	0.9	7
14	Peristaltic Pump Accuracy in Metering Herbicides. Applied Engineering in Agriculture, 1990, 6, 273-276.	0.7	7
15	Method for Fuel Prediction for Specific Tractor Models. , 2006, , .		7
16	Multi-Bale Handling Unit for Efficient Logistics. AgriEngineering, 2020, 2, 336-349.	3.2	7
17	Golden section search as an optimization tool for spreadsheets. Computers and Electronics in Agriculture, 1992, 7, 323-335.	7.7	6
18	Influence of Four Cover Conditions in Cotton Production. Transactions of the American Society of Agricultural Engineers, 1985, 28, 435-438.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Calibration Accuracy of Golf Course Pesticide Applicators. Applied Engineering in Agriculture, 1990, 6, 405-411.	0.7	5
20	Bi-level Subsoiler Performance Using Tandem Shanks. Applied Engineering in Agriculture, 1994, 10, 345-349.	0.7	5
21	Innovative Approaches to Farm Safety and Health for Youth, Senior Farmers and Health Care Providers. Journal of Agromedicine, 1998, 5, 99-106.	1.5	5
22	Area Conservation Tillage Meetings-A Successful Educational Program. Journal of Agronomic Education, 1991, 20, 115-119.	0.2	5
23	A Survey of Ag Tractor Service Intervals – Part I. Applied Engineering in Agriculture, 1990, 6, 537-541.	0.7	4
24	Machinery Performance Assessment Based on Records of Geographic Positiona. , 2004, , .		4
25	Management System for Biomass Delivery at a Plant Conversion. , 2004, , .		4
26	Comparison of Bale Operations for Smaller Production Fields in the Southeast. , 2011, , .		4
27	Harvest Systems and Analysis for Herbaceous Biomass. , 2013, , .		4
28	Feedstock Contract Considerations for a Piedmont Biorefinery. AgriEngineering, 2020, 2, 607-630.	3.2	4
29	Rapid Truck Loading for Efficient Feedstock Logistics. AgriEngineering, 2021, 3, 158-167.	3.2	4
30	Operations at Satellite Storage Locations (SSL) to deliver Round Bales to a Biorefinery Plant. , 2009, , .		3
31	Parametric Study of Machinery Management Relationships on Forage Equipment. , 2013, , .		3
32	A compaction model for agricultural soil. Journal of Terramechanics, 1985, 22, 171.	3.1	2
33	Mass Flow Rate Measurement of Anhydrous Ammonia to a Single Knife on an Applicator Using a Simple Thermodynamic Model. , 2001, , .		2
34	Uniform Stand and Narrow Rows are Needed for Higher Double-crop Soybean Yield. Crop Management, 2006, 5, CM-2006-0417-01-RS.	0.3	2
35	Economic Analysis of two Receiving Facility Designs for a Bioenergy Plant. , 2007, , .		2
36	An Optimal Storage and Transportation System for a Cellulosic Ethanol Bio-energy Plant. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
37	Load and Unload Technology to Improve Round-Bale Hauling Efficiency. AgriEngineering, 2021, 3, 584-604.	3.2	2
38	Central Control for Optimized Herbaceous Feedstock Delivery to a Biorefinery from Satellite Storage Locations. AgriEngineering, 2022, 4, 544-565.	3.2	2
39	A Survey of Ag Tractor Ballasting and Tire Configurations – Part II. Applied Engineering in Agriculture, 1990, 6, 542-547.	0.7	1
40	Chemical Flow Control System for Injection-Type Sprayers. , 1990, , .		1
41	A Vehicle Number to Predict Tractive Performance. Applied Engineering in Agriculture, 1995, 11, 495-498.	0.7	1
42	Cotton Logistics as a Model for Analysis of Biomass Transportation Issues. , 2003, , .		1
43	Investigating Machinery Management Parameters with Computer Tools. , 2007, , .		1
44	Comparison between Two Policy Strategies for Scheduling in a Biomass Logistic System. , 2007, , .		1
45	Virginia Agricultural Safety and Health Survey. , 2007, , .		1
46	Depression as a Risk Factor for Agricultural Injuries. , 2008, , .		1
47	Machinery Productivity Estimates from Seed Tenders. , 2008, , .		1
48	In-Field Performance of Hay Balers Using DGPS. , 2013, , .		1
49	Discrete Event Simulation of Switchgrass Harvest Schedules. , 2013, , .		1
50	Predicting Field Efficiency of Round-Baling Operations in High-Yielding Biomass Crops. AgriEngineering, 2020, 2, 447-457.	3.2	1
51	Operating Agricultural Equipment on Public Roads. , 2009, , .		0
52	Design of a System to Monitor Youth Workers' Heat Stress and Positioning Using Non-Invasive Techniques. , 2012, , .		0
53	In-Field Performance of Biomass Balers. AgriEngineering, 2020, 2, 568-580.	3.2	0
54	Sprayer Application Accuracy Database/Spreadsheet. Journal of Natural Resources and Life Sciences Education, 1992, 21, 41-47.	0.2	0