

Marty D Matlock

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,700
citations

430874

18
h-index

289244

40
g-index

60
all docs

60
docs citations

60
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	Cradle-to-grave life cycle assessment of production and consumption of pulses in the United States. <i>Journal of Environmental Management</i> , 2022, 302, 114062.	7.8	13
2	Electrochemical disinfection of irrigation water with a graphite electrode flow cell. <i>Water Environment Research</i> , 2021, 93, 535-548.	2.7	11
3	Cradle to grave environmental impact evaluation of the consumption of potato and tomato products. <i>Science of the Total Environment</i> , 2021, 758, 143662.	8.0	29
4	Protocol for life cycle assessment modeling of US fruit and vegetable supply chains- cases of processed potato and tomato products. <i>Data in Brief</i> , 2021, 34, 106639.	1.0	10
5	Electrochemical ammonia removal and disinfection of aquaculture wastewater using batch and flow reactors incorporating PtRu/graphite anode and graphite cathode. <i>Aquacultural Engineering</i> , 2021, 93, 102155.	3.1	22
6	Disinfection/ammonia removal from aquaculture wastewater and disinfection of irrigation water using electrochemical flow cells: A case study in Hawaii. <i>Water Environment Research</i> , 2021, 93, 2149-2168.	2.7	2
7	Disinfection of Irrigation Water Using Titanium Electrodes. <i>Journal of the Electrochemical Society</i> , 2021, 168, 063502.	2.9	4
8	Supply chains for processed potato and tomato products in the United States will have enhanced resilience with planting adaptation strategies. <i>Nature Food</i> , 2021, 2, 862-872.	14.0	10
9	Defining Sustainability as Measurable Improvement in the Environment: Lessons from a Supply Chain Program for Agriculture in the United States. <i>Strategies for Sustainability</i> , 2020, , 133-153.	0.3	4
10	Life cycle assessment of alternative swine management practices. <i>Journal of Animal Science</i> , 2019, 97, 472-484.	0.5	8
11	Scaling From Local to Global for Environmental Impacts From Agriculture. , 2019, , 415-423.		0
12	Environmental sustainability of fruit and vegetable production supply chains in the face of climate change: A review. <i>Science of the Total Environment</i> , 2019, 650, 2863-2879.	8.0	135
13	Assessing the impact of the MRBI program in a data limited Arkansas watershed using the SWAT model. <i>Agricultural Water Management</i> , 2018, 202, 202-219.	5.6	25
14	Risk Indicators for Identifying Critical Source Areas in Five Arkansas Watersheds. <i>Transactions of the ASABE</i> , 2018, 61, 1025-1032.	1.1	4
15	Comparison of process-based models to quantify nutrient flows and greenhouse gas emissions associated with milk production. <i>Agriculture, Ecosystems and Environment</i> , 2017, 237, 31-44.	5.3	18
16	Science in the Supply Chain: Collaboration Opportunities for Advancing Sustainable Agriculture in the United States. <i>Agricultural and Environmental Letters</i> , 2017, 2, 170015.	1.2	22
17	A retrospective analysis of the United States poultry industry: 1965 compared with 2010. <i>Agricultural Systems</i> , 2017, 157, 107-117.	6.1	25
18	Post-Model Validation of a Deterministic Watershed Model Using Monitoring Data. <i>Transactions of the ASABE</i> , 2016, 59, 497-508.	1.1	2

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19	Recovery of nutrients from swine wastewater using ultrafiltration: Applications for microalgae cultivation in photobioreactors. <i>Ecological Engineering</i> , 2016, 94, 75-81.	3.6	28
20	Predicting changes in yield and water use in the production of corn in the United States under climate change scenarios. <i>Ecological Engineering</i> , 2015, 82, 555-565.	3.6	12
21	Climate adaptation imperatives: global sustainability trends and eco-efficiency metrics in four major crops – canola, cotton, maize, and soybeans. <i>International Journal of Agricultural Sustainability</i> , 2014, 12, 146-163.	3.5	12
22	Hydrodynamic regime considerations for the cultivation of periphytic biofilms in two tertiary wastewater treatment systems. <i>Ecological Engineering</i> , 2014, 71, 527-532.	3.6	18
23	Measuring ecosystem service change: A case study from a northwest Arkansas dairy farm. <i>International Dairy Journal</i> , 2013, 31, S91-S100.	3.0	5
24	Quantifying and mapping multiple ecosystem services change in West Africa. <i>Agriculture, Ecosystems and Environment</i> , 2013, 165, 6-18.	5.3	304
25	Greenhouse gas emissions from milk production and consumption in the United States: A cradle-to-grave life cycle assessment circa 2008. <i>International Dairy Journal</i> , 2013, 31, S3-S14.	3.0	166
26	Geospatial analysis of potential water use, water stress, and eutrophication impacts from US dairy production. <i>International Dairy Journal</i> , 2013, 31, S78-S90.	3.0	20
27	Regional analysis of greenhouse gas emissions from USA dairy farms: A cradle to farm-gate assessment of the American dairy industry circa 2008. <i>International Dairy Journal</i> , 2013, 31, S29-S40.	3.0	76
28	How Potential Carbon Policies Could Affect Where and How Cotton Is Produced in the United States. <i>Agricultural and Resource Economics Review</i> , 2012, 41, 215-231.	1.1	5
29	Periphyton Nutrient Limitation and Maximum Potential Productivity in the Beaver Lake Basin, United States. <i>Journal of the American Water Resources Association</i> , 2012, 48, 896-908.	2.4	1
30	Seasonal productivity of a periphytic algal community for biofuel feedstock generation and nutrient treatment. <i>Ecological Engineering</i> , 2011, 37, 1476-1480.	3.6	50
31	Identification and evaluation of nutrient limitation on periphyton growth in headwater streams in the Pawnee Nation, Oklahoma. <i>Ecological Engineering</i> , 2008, 32, 178-186.	3.6	15
32	Measuring variability in trophic status in the Lake Waco/Bosque River Watershed. <i>Journal of Biological Engineering</i> , 2008, 2, 1.	4.7	34
33	A COLLABORATIVE LEARNING MATRIX FOR COMBINING SCIENCE WITH STAKEHOLDER INVOLVEMENT TO PRIORITIZE WATERSHED IMPLEMENTATION IN ARKANSAS' NONPOINT SOURCE STATE MANAGEMENT PLAN. <i>Journal of Environmental Assessment Policy and Management</i> , 2008, 10, 307-331.	7.9	5
34	Sediment Phosphorus Release at Beaver Reservoir, Northwest Arkansas, USA, 2002–2003: A Preliminary Investigation. <i>Water, Air, and Soil Pollution</i> , 2007, 179, 67-77.	2.4	24
35	Urban Stream Design for Ecological Services Restoration. , 2005, , 1.		0
36	Nutrient Limitation of Phytoplankton and Periphyton at Lake Eucha, Northeast Oklahoma, USA. , 2004, , .		0

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37	SEDIMENT OXYGEN DEMAND IN THE ARROYO COLORADO RIVER. Journal of the American Water Resources Association, 2003, 39, 267-275.	2.4	32
38	Using a Spreadsheet-Based Model to Determine In-Stream Sediment Oxygen Demand from Simple Field and Lab Measurements. , 2003, , .		0
39	Stream nutrient dynamics and sediment nutrient interaction in an agricultural. , 2003, , .		0
40	Analysis of the HSPF Model for Predicting In-stream Fecal Coliform Concentrations. , 2002, , .		0
41	Ecological engineering: A rationale for standardized curriculum and professional certification in the United States. Ecological Engineering, 2001, 17, 403-409.	3.6	16
42	Change in ecosystem service values in the San Antonio area, Texas. Ecological Economics, 2001, 39, 333-346.	5.7	428
43	Risk-Based Design of Aseptic Processing of Heterogeneous Food Products. Risk Analysis, 2000, 20, 405-412.	2.7	4
44	DEVELOPMENT AND APPLICATION OF A LOTIC ECOSYSTEM TROPHIC STATUS INDEX. Transactions of the American Society of Agricultural Engineers, 1999, 42, 651-656.	0.9	14
45	LIMITING NUTRIENT DETERMINATION IN LOTIC ECOSYSTEMS USING A QUANTITATIVE NUTRIENT ENRICHMENT PERIPHYTOMETER. Journal of the American Water Resources Association, 1998, 34, 1141-1147.	2.4	36
46	A WATERSHED-LEVEL ECOLOGICAL RISK ASSESSMENT METHODOLOGY. Journal of the American Water Resources Association, 1996, 32, 1039-1054.	2.4	17
47	An ecological risk assessment paradigm using the Spatially Integrated model for Phosphorus Loading and Erosion (SIMPLE). Journal of Aquatic Ecosystem Health, 1994, 3, 287-294.	0.4	4
48	Development and evaluation of a nondestructive measure of fish growth for sublethal toxicity assessment. Bulletin of Environmental Contamination and Toxicology, 1994, 53, 85-90.	2.7	5
49	The Context for Biotechnology in Sustainable Agriculture. , 0, , 239-251.		0
50	Demonstration of Greenway Development to Protect Ecological Services in Small Urban Streams. , 0, , .		0