

# Michael D Buser

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

309  
citations

759055

12  
h-index

887953

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

367  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Improving modeling of low-altitude particulate matter emission and dispersion: A cotton gin case study. <i>Journal of Environmental Sciences</i> , 2023, 133, 8-22.                                                                        | 3.2 | 1         |
| 2  | Envisioning the manureshed: Toward comprehensive integration of modern crop and animal production. <i>Journal of Environmental Quality</i> , 2022, 51, 481-493.                                                                            | 1.0 | 8         |
| 3  | Spatially and temporally disparate data in systems agriculture: Issues and prospective solutions. <i>Agronomy Journal</i> , 2020, 112, 4498-4510.                                                                                          | 0.9 | 19        |
| 4  | Modification and validation of the Gaussian plume model (GPM) to predict ammonia and particulate matter dispersion. <i>Atmospheric Pollution Research</i> , 2020, 11, 1063-1072.                                                           | 1.8 | 20        |
| 5  | The Impact of Historical Gin Stand Technologies on Cotton Fiber and Seed Quality. <i>Applied Engineering in Agriculture</i> , 2019, 35, 775-785.                                                                                           | 0.3 | 1         |
| 6  | Measurement of termite resistance of particleboard panels made from Eastern redcedar using nano particle added modified starch as binder. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 120, 169-174. | 2.5 | 4         |
| 7  | Assessment of particulate matter and ammonia emission concentrations and respective plume profiles from a commercial poultry house. <i>Environmental Pollution</i> , 2018, 238, 10-16.                                                     | 3.7 | 19        |
| 8  | Characterization of nano particle added composite panels manufactured from Eastern redcedar. <i>Journal of Composite Materials</i> , 2018, 52, 1605-1615.                                                                                  | 1.2 | 1         |
| 9  | Using a Vegetative Environmental Buffer to Reduce the Concentrations of Volatile Organic Compounds in Poultry-House Atmospheric Emissions. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8231-8236.                        | 2.4 | 6         |
| 10 | Lidar Method to Estimate Emission Rates from Extended Sources. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 335-345.                                                                                                   | 0.5 | 9         |
| 11 | Particulate capture efficiency of a vegetative environmental buffer surrounding an animal feeding operation. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 101-108.                                                          | 2.5 | 14        |
| 12 | Web-Based Deployment of Single-Factor Biofeedstock Supply Chain Sensitivity Analysis Using Monte Carlo Simulation. <i>Transactions of the ASABE</i> , 2016, 59, 1555-1561.                                                                 | 1.1 | 1         |
| 13 | STATISTICAL MODEL FOR THE RELATIONSHIP BETWEEN MAIZE KERNEL ORIENTATION AND SEED LEAF AZIMUTH. <i>Experimental Agriculture</i> , 2016, 52, 359-370.                                                                                        | 0.4 | 0         |
| 14 | Modelling and validation of maize seed orientation by pushing. <i>Biosystems Engineering</i> , 2016, 151, 338-349.                                                                                                                         | 1.9 | 5         |
| 15 | Conceptual design of a biofeedstock supply chain model for eastern redcedar. <i>Computers and Electronics in Agriculture</i> , 2016, 121, 12-24.                                                                                           | 3.7 | 10        |
| 16 | Pyrolysis of eastern redcedar: Distribution and characteristics of fast and slow pyrolysis products. <i>Fuel</i> , 2016, 166, 157-165.                                                                                                     | 3.4 | 30        |
| 17 | Effect of Alum Additions to Poultry Litter on In-House Ammonia and Greenhouse Gas Concentrations and Emissions. <i>Journal of Environmental Quality</i> , 2015, 44, 1530-1540.                                                             | 1.0 | 21        |
| 18 | Occurrence and Characterization of Steroid Growth Promoters Associated with Particulate Matter Originating from Beef Cattle Feedyards. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8796-8803.                                | 4.6 | 30        |

| #  | ARTICLE                                                                                                                                                                                                                          | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Computer Systems for Whole-Chain Traceability in Beef Production Systems. , 2015, , 9-16.                                                                                                                                        |     | 0         |
| 20 | Transformation kinetics of trenbolone acetate metabolites and estrogens in urine and feces of implanted steers. Chemosphere, 2015, 138, 901-907.                                                                                 | 4.2 | 14        |
| 21 | Characterization of trenbolone acetate and estradiol metabolite excretion profiles in implanted steers. Environmental Toxicology and Chemistry, 2014, 33, 2850-2858.                                                             | 2.2 | 21        |
| 22 | Techniques for measuring particle size distribution of particulate matter emitted from animal feeding operations. Atmospheric Environment, 2013, 66, 25-32.                                                                      | 1.9 | 18        |
| 23 | Whole-chain traceability, is it possible to trace your hamburger to a particular steer, a U. S. perspective. Meat Science, 2013, 95, 137-144.                                                                                    | 2.7 | 28        |
| 24 | Theoretical Study of the Impact of Particulate Matter Gravitational Settling on Ambient Coarse Particulate Matter Monitoring for Agricultural Emissions. Journal of the Air and Waste Management Association, 2007, 57, 111-115. | 0.9 | 2         |
| 25 | Effects of Extrusion Temperature and Dwell Time on Aflatoxin Levels in Cottonseed. Journal of Agricultural and Food Chemistry, 2002, 50, 2556-2559.                                                                              | 2.4 | 21        |
| 26 | MECHANICALLY PROCESSING COTTONSEED TO REDUCE GOSSYPOL AND AFLATOXIN LEVELS. Toxin Reviews, 2001, 20, 179-208.                                                                                                                    | 1.5 | 6         |