

Huiqing Guo

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

655
citations

623734

14
h-index

610901

24
g-index

40
all docs

40
docs citations

40
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy saving techniques for reducing the heating cost of conventional greenhouses. <i>Biosystems Engineering</i> , 2019, 178, 9-33.	4.3	113
2	Development of a thermal model for simulation of supplemental heating requirements in Chinese-style solar greenhouses. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 235-244.	7.7	56
3	Modeling heating demands in a Chinese-style solar greenhouse using the transient building energy simulation model TRNSYS. <i>Journal of Building Engineering</i> , 2020, 29, 101114.	3.4	48
4	Diurnal Odor, Ammonia, Hydrogen Sulfide, and Carbon Dioxide Emission Profiles of Confined Swine Grower/Finisher Rooms. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 1434-1448.	1.9	46
5	Biogas production estimation using data-driven approaches for cold region municipal wastewater anaerobic digestion. <i>Journal of Environmental Management</i> , 2020, 253, 109708.	7.8	40
6	A quasi-steady state model for predicting the heating requirements of conventional greenhouses in cold regions. <i>Information Processing in Agriculture</i> , 2018, 5, 33-46.	4.1	32
7	An active solar water wall for passive solar greenhouse heating. <i>Applied Energy</i> , 2022, 308, 118270.	10.1	28
8	Heating demand and economic feasibility analysis for year-round vegetable production in Canadian Prairies greenhouses. <i>Information Processing in Agriculture</i> , 2019, 6, 81-90.	4.1	27
9	Energy-efficient design of greenhouse for Canadian Prairies using a heating simulation model. <i>International Journal of Energy Research</i> , 2018, 42, 2263-2272.	4.5	24
10	Seasonal Odor, Ammonia, Hydrogen Sulfide, and Carbon Dioxide Concentrations and Emissions from Swine Grower-Finisher Rooms. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 471-480.	1.9	23
11	Dispersion modeling of odour, gases, and respirable dust using AERMOD for poultry and dairy barns in the Canadian Prairies. <i>Science of the Total Environment</i> , 2019, 690, 620-628.	8.0	22
12	Sensitivity analysis of CSGHEAT model for estimation of heating consumption in a Chinese-style solar greenhouse. <i>Computers and Electronics in Agriculture</i> , 2018, 154, 99-111.	7.7	17
13	Dehumidification requirement modelling and control strategy for greenhouses in cold regions. <i>Computers and Electronics in Agriculture</i> , 2021, 187, 106264.	7.7	17
14	Relationships between odor properties and determination of odor concentration limits in odor impact criteria for poultry and dairy barns. <i>Science of the Total Environment</i> , 2018, 630, 1484-1491.	8.0	14
15	Diurnal and seasonal variations of greenhouse gas emissions from a naturally ventilated dairy barn in a cold region. <i>Atmospheric Environment</i> , 2018, 172, 74-82.	4.1	13
16	Evaluation of a field olfactometer in odour concentration measurement. <i>Biosystems Engineering</i> , 2019, 187, 239-246.	4.3	13
17	Development of a Livestock Odor Dispersion Model: Part II. Evaluation and Validation. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 277-284.	1.9	10
18	Evaluation of a cloud cover based model for estimation of hourly global solar radiation in Western Canada. <i>International Journal of Sustainable Energy</i> , 2019, 38, 64-73.	2.4	10

#	ARTICLE	IF	CITATIONS
19	A Time-Dependent Model for Predicting Thermal Environment of Mono-Slope Solar Greenhouses in Cold Regions. <i>Energies</i> , 2021, 14, 5956.	3.1	10
20	Diurnal and seasonal variations of odor and gas emissions from a naturally ventilated free-stall dairy barn on the Canadian prairies. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 1092-1105.	1.9	9
21	Diurnal and seasonal variations of greenhouse gas emissions from a commercial broiler barn and cage-layer barn in the Canadian Prairies. <i>Environmental Pollution</i> , 2019, 248, 726-735.	7.5	9
22	Cloud cover-based models for estimation of global solar radiation: A review and case study. <i>International Journal of Green Energy</i> , 2022, 19, 175-189.	3.8	9
23	Characterization of electrical current and liquid droplets deposition area in a capillary electrospray. <i>Results in Engineering</i> , 2021, 9, 100206.	5.1	8
24	Determination of Setback Distances for Livestock Operations Using a New Livestock Odor Dispersion Model (LODM). <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 1369-1381.	1.9	7
25	Development of a Livestock Odor Dispersion Model: Part I. Model Theory and Development. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 269-276.	1.9	7
26	Evaluation of odour properties, their relationships, and impact of an oil refinery plant on the surrounding environment using field measurements. <i>Atmospheric Environment</i> , 2020, 230, 117480.	4.1	7
27	Developing an odour emission factor for an oil refinery plant using reverse dispersion modeling. <i>Atmospheric Environment</i> , 2020, 222, 117167.	4.1	6
28	Annual Variations of Odor Concentrations and Emissions from Swine Gestation, Farrowing, and Nursery Buildings. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 1361-1368.	1.9	5
29	Toxic gas and respirable dust concentrations and emissions from broiler and cage-layer barns in the Canadian Prairies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 21680-21691.	5.3	4
30	Odour dispersion modelling, impact criteria, and setback distances for an oil refinery plant. <i>Atmospheric Environment</i> , 2022, 270, 118879.	4.1	4
31	Development of a method for condensation rate measurement on flat surfaces. <i>Information Processing in Agriculture</i> , 2018, 5, 490-497.	4.1	3
32	Characterisation of engineered water nanostructures (EWNS) and evaluation of their efficacy in inactivating <i>Escherichia coli</i> at conditions relevant to livestock operations. <i>Biosystems Engineering</i> , 2021, 212, 431-441.	4.3	3
33	Reduction of airborne particulate matter from pig and poultry rearing facilities using engineered water nanostructures. <i>Biosystems Engineering</i> , 2022, 218, 1-9.	4.3	3
34	Diurnal and seasonal variations of odor emissions from broiler and cage-layer barns in the Canadian Prairies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26631-26642.	5.3	2
35	Effects of Operating Parameters on the Efficacy of Engineered Water Nanostructures (EWNS) in Inactivating <i>Escherichia coli</i> on Stainless-Steel Surfaces. <i>Transactions of the ASABE</i> , 2021, 64, 1913-1920.	1.1	2
36	Sensitivity Analysis of the DehumReq Model to Evaluate the Impact of Predominant Factors on Dehumidification Requirement of Greenhouses in Cold Regions. <i>Information Processing in Agriculture</i> , 2022, . .	4.1	2

#	ARTICLE	IF	CITATIONS
37	Sensitivity analysis of a livestock odour dispersion model (LODM) to input parameters, Part 2: Meteorological parameters.. Canadian Biosystems Engineering / Le Genie Des Biosystems Au Canada, 2013, 55, 6.13-6.23.	0.1	1
38	Research Note: Evaluation of the efficacy of engineered water nanostructures in inactivating airborne bacteria in poultry houses. Poultry Science, 2022, 101, 101580.	3.4	1
39	Sensitivity analysis of a livestock odour dispersion model (LODM) to input parameters: Part I, source parameters and surface parameters. Canadian Biosystems Engineering / Le Genie Des Biosystems Au Canada, 2013, 55, 6.1-6.11.	0.1	0
40	<i>A Dispersion-Based Tool for Assessing Odor Impact of Hog Operations</i>. , 2019, , .		0