

Ronald E Lacey

List of Publications by Year in descending order

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43
papers

1,651
citations

361413

20
h-index

315739

38
g-index

43
all docs

43
docs citations

43
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	Change in ecosystem service values in the San Antonio area, Texas. <i>Ecological Economics</i> , 2001, 39, 333-346.	5.7	428
2	Development of soft computing and applications in agricultural and biological engineering. <i>Computers and Electronics in Agriculture</i> , 2010, 71, 107-127.	7.7	234
3	Effects of ammonia nitrogen on H ₂ and CH ₄ production during anaerobic digestion of dairy cattle manure. <i>Bioresource Technology</i> , 2001, 77, 9-18.	9.6	130
4	Algal cell rupture using high pressure homogenization as a prelude to oil extraction. <i>Renewable Energy</i> , 2012, 48, 300-308.	8.9	124
5	Comparison of CALPUFF and ISCST3 models for predicting downwind odor and source emission rates. <i>Atmospheric Environment</i> , 2006, 40, 4663-4669.	4.1	63
6	Harvesting and extraction technology contributions to algae biofuels economic viability. <i>Algal Research</i> , 2014, 5, 70-78.	4.6	62
7	Rapid identification of rice samples using an electronic nose. <i>Journal of Bionic Engineering</i> , 2009, 6, 290-297.	5.0	61
8	Review of the harvesting and extraction program within the National Alliance for Advanced Biofuels and Bioproducts. <i>Algal Research</i> , 2018, 33, 470-485.	4.6	50
9	A Review of Literature Concerning Odors, Ammonia, and Dust from Broiler Production Facilities: 2. Flock and House Management Factors. <i>Journal of Applied Poultry Research</i> , 2004, 13, 509-513.	1.2	41
10	A Review of Literature Concerning Odors, Ammonia, and Dust from Broiler Production Facilities: 4. Remedial Management Practices. <i>Journal of Applied Poultry Research</i> , 2004, 13, 521-531.	1.2	37
11	Effect of hypobaric conditions on ethylene evolution and growth of lettuce and wheat. <i>Journal of Plant Physiology</i> , 2003, 160, 1341-1350.	3.5	36
12	Single Wheat Kernel Color Classification by Using Near-Infrared Reflectance Spectra. <i>Cereal Chemistry</i> , 1999, 76, 30-33.	2.2	35
13	A Review of Literature Concerning Odors, Ammonia, and Dust from Broiler Production Facilities: 1. Odor Concentrations and Emissions. <i>Journal of Applied Poultry Research</i> , 2004, 13, 500-508.	1.2	32
14	Multisensor data fusion for high quality data analysis and processing in measurement and instrumentation. <i>Journal of Bionic Engineering</i> , 2007, 4, 53-62.	5.0	30
15	Identification of Stink Bugs Using an Electronic Nose. <i>Journal of Bionic Engineering</i> , 2008, 5, 172-180.	5.0	30
16	Separating the effects of hypobaria and hypoxia on lettuce: growth and gas exchange. <i>Physiologia Plantarum</i> , 2007, 131, 226-240.	5.2	29
17	Assays and enumeration of bioaerosols-traditional approaches to modern practices. <i>Aerosol Science and Technology</i> , 2020, 54, 611-633.	3.1	29
18	Ethylene reduces gas exchange and growth of lettuce plants under hypobaric and normal atmospheric conditions. <i>Physiologia Plantarum</i> , 2009, 135, 258-271.	5.2	22

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19	Single Wheat Kernel Size Effects on Near-Infrared Reflectance Spectra and Color Classification. <i>Cereal Chemistry</i> , 1999, 76, 34-37.	2.2	21
20	INFLUENCES OF SOIL DATASET RESOLUTION ON HYDROLOGIC MODELING. <i>Journal of the American Water Resources Association</i> , 2006, 42, 1371-1389.	2.4	21
21	The Impact of Supplemental Dietary Methionine Sources on Volatile Compound Concentrations in Broiler Excreta. <i>Poultry Science</i> , 2004, 83, 901-910.	3.4	19
22	A Review of Literature Concerning Odors, Ammonia, and Dust from Broiler Production Facilities: 3. Land Application, Processing, and Storage of Broiler Litter. <i>Journal of Applied Poultry Research</i> , 2004, 13, 514-520.	1.2	16
23	Predicting the Number of Dominant R Alleles in Single Wheat Kernels Using Visible and Near-Infrared Reflectance Spectra. <i>Cereal Chemistry</i> , 1999, 76, 6-8.	2.2	12
24	The Impact of Methionine Source on Poultry Fecal Matter Odor Volatiles. <i>Poultry Science</i> , 2004, 83, 359-364.	3.4	12
25	Effect of hydrocarbon tail-groups of transition metal alkoxide based amphiphilic catalysts on transesterification. <i>Catalysis Science and Technology</i> , 2012, 2, 364-372.	4.1	12
26	Hypobaric Conditions Affect Gas Exchange, Ethylene Evolution, and Growth of Lettuce for Advanced Life Support Systems (ALS). <i>Habitation</i> , 2006, 11, 49-61.	0.2	8
27	Seasonal Ammonia Emissions from a Free-Stall Dairy in Central Texas. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 613-618.	1.9	7
28	Impact of Dietary Supplemental Methionine Sources on Sensory Measurement of Odor-Related Compounds in Broiler Excreta. <i>Poultry Science</i> , 2004, 83, 1655-1662.	3.4	6
29	The Recovery of Ammonia and Hydrogen Sulfide from Ground-Level Area Sources Using Dynamic Isolation Flux Chambers: Bench-Scale Studies. <i>Journal of the Air and Waste Management Association</i> , 2005, 55, 999-1006.	1.9	5
30	Hypobaric, hypoxia, and light affect gas exchange and the CO ₂ compensation and saturation points of lettuce (<i>Lactuca sativa</i>) This paper is one of a selection published in a Special Issue comprising papers presented at the 50th Annual Meeting of the Canadian Society of Plant Physiologists (CSPP) held at the University of Ottawa, Ontario, in June 2008.. <i>Botany</i> , 2009, 87, 712-721.	1.0	5
31	Reforming glycerol under electro-statically charged surface conditions. <i>Energy and Environmental Science</i> , 2010, 3, 1593.	30.8	5
32	Analysis of Cyclone Collection Efficiency. , 2003, , .		4
33	Uncertainty associated with the gravimetric measurement of particulate matter concentration in ambient air. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 887-894.	1.9	4
34	A Distributed Control System for Low Pressure Plant Growth Chambers. , 2002, , .		3
35	A Process for Assessing Wooded Plant Cover by Remote Sensing. <i>Rangeland Ecology and Management</i> , 2005, 58, 184-190.	2.3	3
36	Crustal fraction of cattle feedlot particulate matter emissions using neutron activation analysis: method development. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 281, 253-257.	1.5	3

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37	Catalytic valorization of glycerol for producing biodiesel-compatible biofuel blends. <i>Biofuels</i> , 2020, 11, 621-635.	2.4	3
38	Emission Factors for Broiler Production Operations: A Stochastic Modeling Approach. , 2002, , .		2
39	Uncertainty Associated with the Gravimetric Sampling of Particulate Matter. , 2003, , .		2
40	Ground-based spectral reflectance measurements for evaluating the efficacy of aerially- applied glyphosate treatments. <i>Biosystems Engineering</i> , 2010, 107, 10-15.	4.3	2
41	Effect of convergence angle on impactor performance. <i>Aerosol Science and Technology</i> , 2017, 51, 981-987.	3.1	2
42	Transport, fate, and toxicity of selected public health insecticides in waterways. <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 32-46.	1.2	1
43	(147) Effect of Hypobaric, Oxygen, and Carbon Dioxide on Gas Exchange, Ethylene Evolution, and Growth of Lettuce Plants for NASA Advanced Life Support Systems. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2006, 41, 1059A-1059.	1.0	0