

Sanjay B Shah

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Simultaneous Reduction of Thermal Stratification and Ammonia Concentrations in Poultry House During Brooding and in Cool Weather. <i>Applied Engineering in Agriculture</i> , 2022, 38, 375-386.	0.3	0
2	Can Biochar Improve the Sustainability of Animal Production?. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5042.	1.3	3
3	Impact of microbial waste additives and glucose on ammonia emissions from broiler litter in the lab. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 454-459.	0.9	0
4	Dynamics and Treatability of Heavy Metals in Pig Farm Effluent Wastewater by Using UiO-66 and UiO-66-NH ₂ Nanomaterials as Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	7
5	Comprehensive Evaluation of a Landscape Fabric Based Solar Air Heater in a Pig Nursery. <i>Energies</i> , 2021, 14, 7258.	1.6	5
6	Valorization of Eggshell Waste into Supported Copper Catalysts for Partial Oxidation of Methane. <i>International Journal of Environmental Research</i> , 2020, 14, 61-70.	1.1	7
7	Recycled eggshells as precursors for iron-impregnated calcium oxide catalysts for partial oxidation of methane. <i>Bioresources and Bioprocessing</i> , 2020, 7, .	2.0	6
8	Windbreak Wall-vegetative Strip System to Reduce Air Emissions from Mechanically-Ventilated Livestock Barns – Part 1: CFD Modeling. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	3
9	Windbreak Wall-Vegetative Strip System to Reduce Air Emissions from Mechanically Ventilated Livestock Barns: Part 2 – Swine House Evaluation. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	2
10	Windbreak Wall-Vegetative Strip System to Reduce Air Emissions from Mechanically Ventilated Livestock Barns – Part 3: Layer House Evaluation. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	1
11	A novel non-invasive method for evaluating electroencephalograms on laying hens. <i>Poultry Science</i> , 2018, 97, 860-864.	1.5	3
12	Performance of a coupled transpired solar collector – phase change material-based thermal energy storage system. <i>Energy and Buildings</i> , 2018, 161, 72-79.	3.1	20
13	Simultaneous mitigation of p-cresol and ammonium using activated carbon from avocado seed. <i>Environmental Technology and Innovation</i> , 2018, 9, 63-73.	3.0	12
14	Evaluation of Ventilation Shutdown in a Multi-level Caged System. <i>Journal of Applied Poultry Research</i> , 2018, 27, 555-563.	0.6	3
15	Evaluation of landscape fabric as a solar air heater. <i>Renewable Energy</i> , 2018, 127, 998-1003.	4.3	4
16	Evaluation of a novel, low-cost plastic solar air heater for turkey brooding. <i>Energy for Sustainable Development</i> , 2018, 45, 1-10.	2.0	12
17	Tempering ventilation air in a swine finishing barn with a low-cost earth-to-water heat exchanger. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	0.8	6
18	Transpired Solar Wall for Tempering Air in a Swine Nursery in a Humid Subtropical Climate. <i>Applied Engineering in Agriculture</i> , 2016, 32, 115-123.	0.3	7

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19	N ₂ O Emission and Nitrogen Transformation in Chicken Manure and Biochar Co-Composting. Transactions of the ASABE, 2016, 59, 1277-1283.	1.1	11
20	Development of MOS sensor-based NH ₃ monitor for use in poultry houses. Computers and Electronics in Agriculture, 2016, 127, 708-715.	3.7	11
21	Avocado seed-derived activated carbon for mitigation of aqueous ammonium. Industrial Crops and Products, 2016, 92, 34-41.	2.5	49
22	Removal of Ammonia and Airborne Culturable Bacteria by Proof-of-Concept Windbreak Wall with Slightly Acidic Electrolyzed Water Spray for a Layer Breeding House. Applied Engineering in Agriculture, 2016, 32, 393-399.	0.3	8
23	Biofiltration of Ammonia and GHGs from Swine Gestation Barn Pit Exhaust. Transactions of the ASABE, 2015, 58, 771-782.	1.1	4
24	Calcined eggshell as an inexpensive catalyst for partial oxidation of methane. Journal of the Taiwan Institute of Chemical Engineers, 2015, 57, 123-128.	2.7	24
25	Major ionic compositions of fine particulate matter in an animal feeding operation facility and its vicinity. Journal of the Air and Waste Management Association, 2014, 64, 1279-1287.	0.9	11
26	Value-addition of methane via selective catalytic oxidation. Biofuels, 2014, 5, 175-188.	1.4	4
27	Ammonia Fate and Transport Mechanisms in Broiler Litter. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	10
28	Storage Method Impacts on Ammonia Flux from Broiler Cake and Acid Scrubbers for High Ammonia Concentration Measurements. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	1
29	Ammonia concentrations and modeling of inorganic particulate matter in the vicinity of an egg production facility in Southeastern USA. Environmental Science and Pollution Research, 2014, 21, 4675-4685.	2.7	14
30	Transpired solar collector duct for tempering air in North Carolina turkey brooder barn and swine nursery. Solar Energy, 2014, 102, 308-317.	2.9	12
31	Acidifier application rate impacts on ammonia emissions from US roaster chicken houses. Atmospheric Environment, 2014, 92, 576-583.	1.9	11
32	Ancillary effects of different acidifier application rates in roaster houses. Journal of Applied Poultry Research, 2013, 22, 565-573.	0.6	2
33	Nitrogen mass balance in commercial roaster houses receiving different acidifier application rates. Journal of Applied Poultry Research, 2013, 22, 539-550.	0.6	2
34	Modeling Ammonium Adsorption on Broiler Litter and Cake. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	1
35	Live performance of roasters raised in houses receiving different acidifier application rates. Journal of Applied Poultry Research, 2013, 22, 922-928.	0.6	1
36	Organic and Elemental Carbon in Atmospheric Fine Particulate Matter in an Animal Agriculture Intensive Area in North Carolina: Estimation of Secondary Organic Carbon Concentrations. Open Journal of Air Pollution, 2013, 02, 7-18.	0.4	7

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37	Ammonia Emissions from Broiler Cake Stockpiled in a Naturally Ventilated Shed. Transactions of the ASABE, 2011, 54, 1893-1904.	1.1	2
38	Validation and Uncertainty Analysis of an Ammonia Emission Model for Broiler Litter. Transactions of the ASABE, 2011, 54, 1051-1057.	1.1	1
39	Coupled Biofilter – Heat Exchanger Prototype for a Broiler House. Applied Engineering in Agriculture, 2011, 27, 1039-1048.	0.3	3
40	Impact of Land Application Method on Ammonia Loss from Hog Lagoon Effluent. Applied Engineering in Agriculture, 2009, 25, 963-973.	0.3	0
41	Leaching of Nutrients and Trace Elements from Stockpiled Turkey Litter into Soil. Journal of Environmental Quality, 2009, 38, 1053-1065.	1.0	9
42	Modeling Ammonia Emissions from Broiler Litter at Laboratory Scale. Transactions of the ASABE, 2009, 52, 1683-1694.	1.1	13
43	Design and Evaluation of a Regenerating Scrubber for Reducing Animal House Emissions. Transactions of the ASABE, 2008, 51, 243-250.	1.1	10
44	Effect of a Metabolic Stimulant on Ammonia Volatilization from Broiler Litter. Journal of Applied Poultry Research, 2007, 16, 240-247.	0.6	7
45	Measuring Ammonia Concentrations and Emissions from Agricultural Land and Liquid Surfaces: A Review. Journal of the Air and Waste Management Association, 2006, 56, 945-960.	0.9	43
46	Ammonia Adsorption in Five Types of Flexible Tubing Materials. Applied Engineering in Agriculture, 2006, 22, 919-923.	0.3	36
47	BSLC: A TOOL FOR BACTERIA SOURCE CHARACTERIZATION FOR WATERSHED MANAGEMENT. Applied Engineering in Agriculture, 2005, 21, 879-889.	0.3	33
48	MECHANICAL AERATION AND LIQUID DAIRY MANURE APPLICATION IMPACTS ON GRASSLAND RUNOFF WATER QUALITY AND YIELD. Transactions of the American Society of Agricultural Engineers, 2004, 47, 777-788.	0.9	22
49	RUNOFF WATER QUALITY IMPACTS OF DIFFERENT TURKEY LITTER APPLICATION METHODS. Applied Engineering in Agriculture, 2004, 20, 207-210.	0.3	2
50	Simulating the fate of subsurface-banded urea. Nutrient Cycling in Agroecosystems, 2004, 70, 47-66.	1.1	8
51	Particle Size Impacts of Subsurface-Banded Urea on Nitrogen Transformation in the Laboratory. Communications in Soil Science and Plant Analysis, 2003, 34, 1245-1260.	0.6	9
52	COOL TEMPERATURE PERFORMANCE OF A WHEAT STRAW BIOFILTER FOR TREATING DAIRY WASTEWATER. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2002, 37, 493-505.	0.7	6
53	Daily Evapotranspiration Prediction from Louisiana Flooded Rice Field. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 8-13.	0.6	24