

# Sanjay B Shah

## List of Publications by Year in descending order

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53  
papers

512  
citations

840119

11  
h-index

752256

20  
g-index

53  
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53  
docs citations

53  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Avocado seed-derived activated carbon for mitigation of aqueous ammonium. <i>Industrial Crops and Products</i> , 2016, 92, 34-41.	2.5	49
2	Measuring Ammonia Concentrations and Emissions from Agricultural Land and Liquid Surfaces: A Review. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 945-960.	0.9	43
3	Ammonia Adsorption in Five Types of Flexible Tubing Materials. <i>Applied Engineering in Agriculture</i> , 2006, 22, 919-923.	0.3	36
4	BSLC: A TOOL FOR BACTERIA SOURCE CHARACTERIZATION FOR WATERSHED MANAGEMENT. <i>Applied Engineering in Agriculture</i> , 2005, 21, 879-889.	0.3	33
5	Daily Evapotranspiration Prediction from Louisiana Flooded Rice Field. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2000, 126, 8-13.	0.6	24
6	Calcined eggshell as an inexpensive catalyst for partial oxidation of methane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 57, 123-128.	2.7	24
7	MECHANICAL AERATION AND LIQUID DAIRY MANURE APPLICATION IMPACTS ON GRASSLAND RUNOFF WATER QUALITY AND YIELD. <i>Transactions of the American Society of Agricultural Engineers</i> , 2004, 47, 777-788.	0.9	22
8	Performance of a coupled transpired solar collectorâ€”phase change material-based thermal energy storage system. <i>Energy and Buildings</i> , 2018, 161, 72-79.	3.1	20
9	Ammonia concentrations and modeling of inorganic particulate matter in the vicinity of an egg production facility in Southeastern USA. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4675-4685.	2.7	14
10	Modeling Ammonia Emissions from Broiler Litter at Laboratory Scale. <i>Transactions of the ASABE</i> , 2009, 52, 1683-1694.	1.1	13
11	Transpired solar collector duct for tempering air in North Carolina turkey brooder barn and swine nursery. <i>Solar Energy</i> , 2014, 102, 308-317.	2.9	12
12	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
13	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
14	Major ionic compositions of fine particulate matter in an animal feeding operation facility and its vicinity. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 1279-1287.	0.9	11
15	Acidifier application rate impacts on ammonia emissions from US roaster chicken houses. <i>Atmospheric Environment</i> , 2014, 92, 576-583.	1.9	11
16	N <sub>2</sub> O Emission and Nitrogen Transformation in Chicken Manure and Biochar Co-Composting. <i>Transactions of the ASABE</i> , 2016, 59, 1277-1283.	1.1	11
17	Development of MOS sensor-based NH <sub>3</sub> monitor for use in poultry houses. <i>Computers and Electronics in Agriculture</i> , 2016, 127, 708-715.	3.7	11
18	Design and Evaluation of a Regenerating Scrubber for Reducing Animal House Emissions. <i>Transactions of the ASABE</i> , 2008, 51, 243-250.	1.1	10

#	ARTICLE	IF	CITATIONS
19	Ammonia Fate and Transport Mechanisms in Broiler Litter. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	10
20	Particle Size Impacts of Subsurface-Banded Urea on Nitrogen Transformation in the Laboratory. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 1245-1260.	0.6	9
21	Leaching of Nutrients and Trace Elements from Stockpiled Turkey Litter into Soil. <i>Journal of Environmental Quality</i> , 2009, 38, 1053-1065.	1.0	9
22	Simulating the fate of subsurface-banded urea. <i>Nutrient Cycling in Agroecosystems</i> , 2004, 70, 47-66.	1.1	8
23	Removal of Ammonia and Airborne Culturable Bacteria by Proof-of-Concept Windbreak Wall with Slightly Acidic Electrolyzed Water Spray for a Layer Breeding House. <i>Applied Engineering in Agriculture</i> , 2016, 32, 393-399.	0.3	8
24	Effect of a Metabolic Stimulant on Ammonia Volatilization from Broiler Litter. <i>Journal of Applied Poultry Research</i> , 2007, 16, 240-247.	0.6	7
25	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
26	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
27	Dynamics and Treatability of Heavy Metals in Pig Farm Effluent Wastewater by Using UiO-66 and UiO-66-NH <sub>2</sub> Nanomaterials as Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	7
28	Organic and Elemental Carbon in Atmospheric Fine Particulate Matter in an Animal Agriculture Intensive Area in North Carolina: Estimation of Secondary Organic Carbon Concentrations. <i>Open Journal of Air Pollution</i> , 2013, 02, 7-18.	0.4	7
29	COOL TEMPERATURE PERFORMANCE OF A WHEAT STRAW BIOFILTER FOR TREATING DAIRY WASTEWATER. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2002, 37, 493-505.	0.7	6
30	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
31	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
32	Comprehensive Evaluation of a Landscape Fabric Based Solar Air Heater in a Pig Nursery. <i>Energies</i> , 2021, 14, 7258.	1.6	5
33	Value-addition of methane via selective catalytic oxidation. <i>Biofuels</i> , 2014, 5, 175-188.	1.4	4
34	Biofiltration of Ammonia and GHGs from Swine Gestation Barn Pit Exhaust. <i>Transactions of the ASABE</i> , 2015, 58, 771-782.	1.1	4
35	Evaluation of landscape fabric as a solar air heater. <i>Renewable Energy</i> , 2018, 127, 998-1003.	4.3	4
36	Coupled Biofilter – Heat Exchanger Prototype for a Broiler House. <i>Applied Engineering in Agriculture</i> , 2011, 27, 1039-1048.	0.3	3

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37	A novel non-invasive method for evaluating electroencephalograms on laying hens. Poultry Science, 2018, 97, 860-864.	1.5	3
38	Evaluation of Ventilation Shutdown in a Multi-level Caged System. Journal of Applied Poultry Research, 2018, 27, 555-563.	0.6	3
39	Windbreak Wall-vegetative Strip System to Reduce Air Emissions from Mechanically-Ventilated Livestock Barns – Part 1: CFD Modeling. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	3
40	Can Biochar Improve the Sustainability of Animal Production?. Applied Sciences (Switzerland), 2022, 12, 5042.	1.3	3
41	RUNOFF WATER QUALITY IMPACTS OF DIFFERENT TURKEY LITTER APPLICATION METHODS. Applied Engineering in Agriculture, 2004, 20, 207-210.	0.3	2
42	Ammonia Emissions from Broiler Cake Stockpiled in a Naturally Ventilated Shed. Transactions of the ASABE, 2011, 54, 1893-1904.	1.1	2
43	Ancillary effects of different acidifier application rates in roaster houses. Journal of Applied Poultry Research, 2013, 22, 565-573.	0.6	2
44	Nitrogen mass balance in commercial roaster houses receiving different acidifier application rates. Journal of Applied Poultry Research, 2013, 22, 539-550.	0.6	2
45	Windbreak Wall-Vegetative Strip System to Reduce Air Emissions from Mechanically Ventilated Livestock Barns: Part 2 – Swine House Evaluation. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	2
46	Validation and Uncertainty Analysis of an Ammonia Emission Model for Broiler Litter. Transactions of the ASABE, 2011, 54, 1051-1057.	1.1	1
47	Modeling Ammonium Adsorption on Broiler Litter and Cake. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	1
48	Live performance of roasters raised in houses receiving different acidifier application rates. Journal of Applied Poultry Research, 2013, 22, 922-928.	0.6	1
49	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
50	Windbreak Wall-Vegetative Strip System to Reduce Air Emissions from Mechanically Ventilated Livestock Barns – Part 3: Layer House Evaluation. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	1
51	Impact of Land Application Method on Ammonia Loss from Hog Lagoon Effluent. Applied Engineering in Agriculture, 2009, 25, 963-973.	0.3	0
52	Impact of microbial waste additives and glucose on ammonia emissions from broiler litter in the lab. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 454-459.	0.9	0
53	Simultaneous Reduction of Thermal Stratification and Ammonia Concentrations in Poultry House During Brooding and in Cool Weather. Applied Engineering in Agriculture, 2022, 38, 375-386.	0.3	0