

Baitong Chen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

187
citations

1163117

8
h-index

1199594

12
g-index

45
all docs

45
docs citations

45
times ranked

110
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of UV-A Light Treatment on Ammonia, Hydrogen Sulfide, Greenhouse Gases, and Ozone in Simulated Poultry Barn Conditions. <i>Atmosphere</i> , 2020, 11, 283.	2.3	22
2	Pilot-Scale Testing of UV-A Light Treatment for Mitigation of NH ₃ , H ₂ S, GHGs, VOCs, Odor, and O ₃ Inside the Poultry Barn. <i>Frontiers in Chemistry</i> , 2020, 8, 613.	3.6	18
3	Biochar-Swine Manure Impact on Soil Nutrients and Carbon Under Controlled Leaching Experiment Using a Midwestern Mollisols. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	18
4	Mitigation of Gaseous Emissions from Swine Manure with the Surficial Application of Biochars. <i>Atmosphere</i> , 2020, 11, 1179.	2.3	15
5	Mitigation of Airborne PRRSV Transmission with UV Light Treatment: Proof-of-Concept. <i>Agriculture (Switzerland)</i> , 2021, 11, 259.	3.1	14
6	The Impact of Surficial Biochar Treatment on Acute H ₂ S Emissions during Swine Manure Agitation before Pump-Out: Proof-of-the-Concept. <i>Catalysts</i> , 2020, 10, 940.	3.5	12
7	Emissions from Swine Manure Treated with Current Products for Mitigation of Odors and Reduction of NH ₃ , H ₂ S, VOC, and GHG Emissions. <i>Data</i> , 2020, 5, 54.	2.3	11
8	Mitigation of Gaseous Emissions from Stored Swine Manure with Biochar: Effect of Dose and Reapplication on a Pilot-Scale. <i>Atmosphere</i> , 2021, 12, 96.	2.3	10
9	Evaluation of TiO ₂ Based Photocatalytic Treatment of Odor and Gaseous Emissions from Swine Manure with UV-A and UV-C. <i>Animals</i> , 2021, 11, 1289.	2.3	9
10	Mitigation of Odor, NH ₃ , H ₂ S, GHG, and VOC Emissions With Current Products for Use in Deep-Pit Swine Manure Storage Structures. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	8
11	Design and Testing of Mobile Laboratory for Mitigation of Gaseous Emissions from Livestock Agriculture with Photocatalysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1523.	2.6	8
12	Mitigation of Odor and Gaseous Emissions from Swine Barn with UV-A and UV-C Photocatalysis. <i>Atmosphere</i> , 2021, 12, 585.	2.3	8
13	Mitigation of Acute Hydrogen Sulfide and Ammonia Emissions from Swine Manure during Three-Hour Agitation Using Pelletized Biochar. <i>Atmosphere</i> , 2021, 12, 825.	2.3	7
14	Mitigation of Acute Ammonia Emissions With Biochar During Swine Manure Agitation Before Pump-Out: Proof-of-the-Concept. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	6
15	Mitigation of Particulate Matter and Airborne Pathogens in Swine Barn Emissions with Filtration and UV-A Photocatalysis. <i>Catalysts</i> , 2021, 11, 1302.	3.5	5
16	Designing and Testing of a System for Aerosolization and Recovery of Viable Porcine Reproductive and Respiratory Syndrome Virus (PRRSV): Theoretical and Engineering Considerations. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 659609.	4.1	3
17	Dataset Documenting the Interactions of Biochar with Manure, Soil, and Plants: Towards Improved Sustainability of Animal and Crop Agriculture. <i>Data</i> , 2022, 7, 32.	2.3	1
18	Effects of UV-A Light Treatment on Ammonia in Lab-Scale. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	The Impact of Biochar Treatment on H ₂ S and NH ₃ Emissions During Manure Agitation prior to Pump-Out. , 2020, , .		0
20	<i>Evaluating of Products for Mitigation of Odor and Reduction of NH ₃ , H ₂ S, GHG, and VOC Emissions from Swine Manure in Deep Pit Storage Structures</i>. , 2020, , .		0
21	Treatment of Airborne PRRSV Transmission with UV Light: Proof-of-concept. , 2021, , .		0
22	The Nose Knows! Interactions between soil smell and soil health. , 2021, , .		0
23	Reduction of gaseous emissions from swine manure: effect of biochar dose and reapplication. , 2021, , .		0
24	Mitigation of acute H ₂ S and NH ₃ emissions from swine manure during agitation using pelletized biochar. , 2021, , .		0
25	Pilot-scale evaluation of UV-A & UV-C photocatalytic treatment for mitigating odorous gas emissions from swine manure. , 2021, , .		0
26	Field-scale testing of mobile laboratory for mitigation of gaseous emissions from the swine farm with UV-A photocatalysis. , 2021, , .		0
27	Removing barriers for adoption of biochar treatment to mitigate gaseous emissions from manure: can common binders improve the performance of powder and pelletized biochar?. , 2021, , .		0
28	Design, testing, and commissioning of mobile laboratory for mitigation of gaseous emission from livestock barns with photocatalysis. , 2021, , .		0
29	Pilot-scale UV-A light treatment for mitigation of NH ₃ , H ₂ S, GHGs, VOCs, odor, and O ₃ inside the poultry barn. , 2021, , .		0
30	Method for aerosolization and collection of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV): engineering considerations. , 2021, , .		0