

# Baitong Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5557482/publications.pdf>

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	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
2	Treatment of Airborne PRRSV Transmission with UV Light: Proof-of-concept. , 2021, , .		0
3	The Nose Knows! Interactions between soil smell and soil health. , 2021, , .		0
4	Reduction of gaseous emissions from swine manure: effect of biochar dose and reapplication. , 2021, , .		0
5	Mitigation of acute H2S and NH3 emissions from swine manure during agitation using pelletized biochar. , 2021, , .		0
6	Pilot-scale evaluation of UV-A & UV-C photocatalytic treatment for mitigating odorous gas emissions from swine manure. , 2021, , .		0
7	Field-scale testing of mobile laboratory for mitigation of gaseous emissions from the swine farm with UV-A photocatalysis. , 2021, , .		0
8	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
9	Design, testing, and commissioning of mobile laboratory for mitigation of gaseous emission from livestock barns with photocatalysis. , 2021, , .		0
10	Pilot-scale UV-A light treatment for mitigation of NH3, H2S, GHGs, VOCs, odor, and O3 inside the poultry barn. , 2021, , .		0
11	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
12	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
13	Mitigation of Airborne PRRSV Transmission with UV Light Treatment: Proof-of-Concept. <i>Agriculture (Switzerland)</i> , 2021, 11, 259.	3.1	14
14	Evaluation of TiO2 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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Method for aerosolization and collection of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV): engineering considerations. , 2021, , .		0
21	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
22	Effects of UV-A Light Treatment on Ammonia in Lab-Scale. , 2020, , .		0
23	The Impact of Biochar Treatment on H <sub>2</sub> S and NH <sub>3</sub> Emissions During Manure Agitation prior to Pump-Out. , 2020, , .		0
24	Mitigation of Gaseous Emissions from Swine Manure with the Surficial Application of Biochars. <i>Atmosphere</i> , 2020, 11, 1179.	2.3	15
25	The Impact of Surficial Biochar Treatment on Acute H <sub>2</sub> S Emissions during Swine Manure Agitation before Pump-Out: Proof-of-the-Concept. <i>Catalysts</i> , 2020, 10, 940.	3.5	12
26	&lt;i>Evaluating of Products for Mitigation of Odor and Reduction of NH <sub>3</sub> , H <sub>2</sub> S, GHG, and VOC Emissions from Swine Manure in Deep Pit Storage Structures&i>. , 2020, , .		0
27	Mitigation of Odor, NH <sub>3</sub> , H <sub>2</sub> 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
28	Emissions from Swine Manure Treated with Current Products for Mitigation of Odors and Reduction of NH <sub>3</sub> , H <sub>2</sub> S, VOC, and GHG Emissions. <i>Data</i> , 2020, 5, 54.	2.3	11
29	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
30	Pilot-Scale Testing of UV-A Light Treatment for Mitigation of NH <sub>3</sub> , H <sub>2</sub> S, GHGs, VOCs, Odor, and O <sub>3</sub> Inside the Poultry Barn. <i>Frontiers in Chemistry</i> , 2020, 8, 613.	3.6	18