

# Nwabunwanne Nwokolo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4404890/publications.pdf>

Version: 2024-02-01

18  
papers

291  
citations

1039406

9  
h-index

940134

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste to Energy: A Focus on the Impact of Substrate Type in Biogas Production. <i>Processes</i> , 2020, 8, 1224.	1.3	70
2	Anaerobic digestion: Technology for biogas production as a source of renewable energy—A review. <i>Energy and Environment</i> , 2021, 32, 191-225.	2.7	46
3	Current Research and Applications of Starch-Based Biodegradable Films for Food Packaging. <i>Polymers</i> , 2022, 14, 1126.	2.0	44
4	Bioenergy from bio-waste: a bibliometric analysis of the trend in scientific research from 1998 to 2018. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1077-1092.	2.9	19
5	An investigation into heat recovery from the surface of a cyclone dust collector attached to a downdraft biomass gasifier. <i>Applied Thermal Engineering</i> , 2016, 98, 1158-1164.	3.0	16
6	Development of a Mathematical Model and Validation for Methane Production Using Cow Dung as Substrate in the Underground Biogas Digester. <i>Processes</i> , 2021, 9, 643.	1.3	13
7	The contributions of biotic lines of defence to improving plant disease suppression in soils: A review. <i>Rhizosphere</i> , 2021, 19, 100372.	1.4	12
8	Electrical performance evaluation of Johansson biomass gasifier system coupled to a 150 kVA generator. <i>Renewable Energy</i> , 2014, 71, 695-700.	4.3	11
9	Materials for the design and construction of household biogas digesters for biogas production: A review. <i>International Journal of Energy Research</i> , 2021, 45, 3761-3779.	2.2	10
10	Comparative Study on the Performance of Aboveground and Underground Fixed-Dome Biogas Digesters. <i>Chemical Engineering and Technology</i> , 2020, 43, 68-74.	0.9	9
11	Improving the Solid Fuel Properties of Non-Lignocellulose and Lignocellulose Materials through Torrefaction. <i>Materials</i> , 2021, 14, 2072.	1.3	8
12	Slurry Utilization and Impact of Mixing Ratio in Biogas Production. <i>Chemical Engineering and Technology</i> , 2017, 40, 1742-1749.	0.9	7
13	Design and Fabrication of a Plastic Biogas Digester for the Production of Biogas from Cow Dung. <i>Journal of Engineering (United States)</i> , 2020, 2020, 1-11.	0.5	7
14	Analytical and Thermal Evaluation of Carbon Particles Recovered at the Cyclone of a Downdraft Biomass Gasification System. <i>Sustainability</i> , 2017, 9, 645.	1.6	5
15	Torrefaction Characteristics of Blended Ratio of Sewage Sludge and Sugarcane Bagasse for Energy Production. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2654.	1.3	5
16	Thermal Performance Evaluation of a Double Pipe Heat Exchanger Installed in a Biomass Gasification System. <i>Journal of Engineering (United States)</i> , 2020, 2020, 1-8.	0.5	4
17	An insight on the contributions of microbial communities and process parameters in enhancing biogas production. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1549-1565.	2.9	3
18	Shotgun metagenomics evaluation of soil fertilization effect on the rhizosphere viral community of maize plants. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 69-78.	0.7	2