RESEARCH & PUBLICATIONS

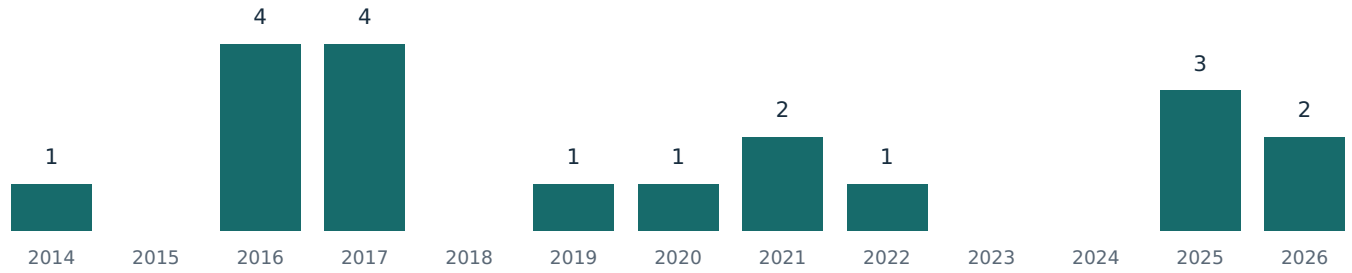
David Onoja Patrick

A publication record at a glance

19	880	11
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles by publication year



MOST CITED IN THIS LIST

The Influence of Catalysts in Biomass Steam Gasification and Catalytic Potential of Coal Bottom Ash in Biomass Steam Gasification: A Review — 278

2017 Renewable and Sustainable Energy Reviews

Syngas Production From Steam Gasification of Palm Kernel Shell With Subsequent CO2 Capture Using CaO Sorbent: An Aspen Plus Modeling — 100

2017 Energy & Fuels

Optimization of Hydrogen and Syngas Production From PKS Gasification by Using Coal Bottom Ash — 96

2017 Bioresource Technology

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Ordered by publication year, newest first

2026

01 A Review on Oxidative Pyrolysis and Oxidative Torrefaction: Mechanisms, Products, Kinetics and Future Directions — 5 citations
Journal of Analytical and Applied Pyrolysis · 195, 107609
https://exaly.com/article/209278104

02 A Perspective Review on Crude Glycerol Waste Production and Its Potential for Energy Application — 2 citations
Biomass and Bioenergy · 214, 109513
https://exaly.com/article/213627647

2025

03 Case Studies of Specific Applications of Smart Nanomaterials for Wastewater Purification in South Africa — 0 citations
Journal unavailable
https://exaly.com/article/192613438

04 Pyrolysis and Kinetic Analysis of Marine (Isochrysis sp.) and Freshwater (Monoraphidium c.) Microalgae — 1 citations
Energy Conversion and Management: X · 26, 100904
https://exaly.com/article/197933339

05 Advancement in Hydrogen Production, Application and Strategy Towards Sustainable Energy: Malaysian Case Study — 0 citations
Chemical Engineering Research and Design · 202, 107730
https://exaly.com/article/203935386

2022

06 Trial of Biopellet Prepared by Napier Grass — 5 citations
ACS Omega · 7, 46037-46050
https://exaly.com/article/157927231

2021

07 Low-Temperature Catalytic Conversion of Greenhouse Gases (CO_2 and CH_4) to Syngas Over Ceria-Magnesia Mixed Oxide Supported Nickel Catalysts — 43 citations
International Journal of Hydrogen Energy · 46, 24768-24780
https://exaly.com/article/81591683

08 Synthesis and Characterization of Slow-Release Fertilizer Hydrogel Based on Hydroxy Propyl Methyl Cellulose, Polyvinyl Alcohol, Glycerol and Blended Paper — 61 citations
Gels · 7, 262
https://exaly.com/article/135372396

Ordered by publication year, newest first

2020

09 **Thermogravimetric Kinetics of Catalytic and Non-Catalytic Pyrolytic Conversion of Palm Kernel Shell With Acid-Treated Coal Bottom Ash** 11 citations

Bioenergy Research · 13, 452-462

https://exaly.com/article/84231112

2019

10 **Emerging Technologies for Biofuels Production** 5 citations

Journal unavailable

https://exaly.com/article/72085264

2017

11 **The Influence of Catalysts in Biomass Steam Gasification and Catalytic Potential of Coal Bottom Ash in Biomass Steam Gasification: A Review** 278 citations

Renewable and Sustainable Energy Reviews · 73, 468-476

https://exaly.com/article/65968570

12 **Optimization of Hydrogen and Syngas Production From PKS Gasification by Using Coal Bottom Ash** 96 citations

Bioresource Technology · 241, 284-295

https://exaly.com/article/66473826

13 **Syngas Production From Steam Gasification of Palm Kernel Shell With Subsequent CO2 Capture Using CaO Sorbent: An Aspen Plus Modeling** 100 citations

Energy & Fuels · 31, 12350-12357

https://exaly.com/article/66910436

14 **Cleaner Production of Hydrogen and Syngas From Catalytic Steam Palm Kernel Shell Gasification Using CaO Sorbent and Coal Bottom Ash as a Catalyst** 81 citations

Energy & Fuels · 31, 13824-13833

https://exaly.com/article/67867249

2016

15 **Parametric Study and Optimization of Methane Production in Biomass Gasification in the Presence of Coal Bottom Ash** 49 citations

Procedia Engineering · 148, 409-416

https://exaly.com/article/64406554

16 **Bottom Ash Characterization and Its Catalytic Potential in Biomass Gasification** 44 citations

Procedia Engineering · 148, 432-436

https://exaly.com/article/64607078

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2016 / continued

17 **Application of Response Surface Methodology to Investigate the Effect of Different Variables on Conversion of Palm Kernel Shell in Steam Gasification Using Coal Bottom Ash**

87 citations

Applied Energy · 184, 1306-1315

https://exaly.com/article/65071066

18 **Thermal Investigation of Palm Kernel Shell (PKS) With Coal Bottom Ash in Thermo Gravimetric Analyser (TGA) in Inert Atmosphere**

1 citations

International Journal of Biomass and Renewables · 5, 1-5

https://exaly.com/article/176696888

2014

19 **Characterization of Rice Hull Ash and Its Performance in Turbidity Removal From Water**

11 citations

Particulate Science and Technology · 32, 329-333

https://exaly.com/article/59202658

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