

# Francis Kemausuor

## List of Publications by Year in descending order

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53  
papers

1,575  
citations

430874

18  
h-index

315739

38  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preliminary characterisation and valorisation of Ficus benjamina fruits for biofuel application. Biomass Conversion and Biorefinery, 2023, 13, 12643-12654.	4.6	2
2	How climate policies can translate to tangible change: Evidence from eleven low- and lower-middle income countries. Journal of Cleaner Production, 2022, 346, 131014.	9.3	9
3	Life Cycle Cost analysis for industrial bioenergy projects: Development of a simulation tool and application to three demand sectors in Africa. Energy Reports, 2022, 8, 2908-2923.	5.1	8
4	Decision-Making approach for evaluating suitable hybrid renewable energy system for SMEs in Ghana. International Journal of Ambient Energy, 2022, 43, 7513-7530.	2.5	3
5	Ex-post design, operations and financial cost-benefit analysis of mini-grids in Ghana: What can we learn?. Energy for Sustainable Development, 2022, 68, 390-409.	4.5	5
6	Development of mathematical model for predicting methane-to-carbon dioxide proportion in anaerobic biodegradability of cattle blood and rumen content. Energy Conversion and Management: X, 2022, , 100250.	1.6	0
7	Towards accelerating the deployment of decentralised renewable energy mini-grids in Ghana: Review and analysis of barriers. Renewable and Sustainable Energy Reviews, 2021, 135, 110408.	16.4	40
8	Potential of Bioenergy in Rural Ghana. Sustainability, 2021, 13, 381.	3.2	16
9	A decision support system for the selection of sustainable biomass resources for bioenergy production. Environment Systems and Decisions, 2021, 41, 437-454.	3.4	18
10	Co-hydrothermal carbonization of pineapple and watermelon peels: Effects of process parameters on hydrochar yield and energy content. Bioresource Technology Reports, 2021, 15, 100720.	2.7	10
11	BioLPG for Clean Cooking in Sub-Saharan Africa: Present and Future Feasibility of Technologies, Feedstocks, Enabling Conditions and Financing. Energies, 2021, 14, 3916.	3.1	11
12	Bottled Biogas – An Opportunity for Clean Cooking in Ghana and Uganda. Energies, 2021, 14, 3856.	3.1	10
13	Modelling the performance potential of forced and natural-draft biomass cookstoves using a hybrid Entropy-TOPSIS approach. Biomass and Bioenergy, 2021, 150, 106106.	5.7	5
14	A review of anaerobic digestion of slaughterhouse waste: effect of selected operational and environmental parameters on anaerobic biodegradability. Reviews in Environmental Science and Biotechnology, 2021, 20, 1073-1086.	8.1	17
15	Biomass Valorization to Bioenergy: Assessment of Biomass Residues' Availability and Bioenergy Potential in Nigeria. Sustainability, 2021, 13, 13806.	3.2	8
16	Biogas optimisation processes and effluent quality: A review. Biomass and Bioenergy, 2020, 133, 105449.	5.7	41
17	Bioenergy from crop residues: A regional analysis for heat and electricity applications in Ghana. Biomass and Bioenergy, 2020, 140, 105640.	5.7	19
18	Design, Fabrication and Evaluation of Non-Continuous Inverted Downdraft Gasifier Stove Utilizing Rice husk as feedstock. Scientific African, 2020, 8, e00414.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Biochar as a Soil Amendment Tool: Effects on Soil Properties and Yield of Maize and Cabbage in Brong-Ahafo Region, Ghana. <i>Open Journal of Soil Science</i> , 2020, 10, 91-108.	0.8	9
20	A biorefinery approach to bioethanol and bioelectricity co-production from tropical seaweeds. <i>Journal of Applied Phycology</i> , 2019, 31, 3899-3913.	2.8	18
21	Cellulase and acid-catalysed hydrolysis of <i>Ulva fasciata</i> , <i>Hydropuntia dentata</i> and <i>Sargassum vulgare</i> for bioethanol production. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	8
22	Experimental study of ferrocement downdraft gasifier engine system using different biomass feedstocks in Ghana. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 31, 124-131.	2.7	9
23	Mini-grid electricity service based on local agricultural residues: Feasibility study in rural Ghana. <i>Energy</i> , 2018, 153, 443-454.	8.8	29
24	Seaweed Bioethanol Production: A Process Selection Review on Hydrolysis and Fermentation. <i>Fermentation</i> , 2018, 4, 99.	3.0	75
25	Locational analysis of cellulosic ethanol production and distribution infrastructure for the transportation sector in Ghana. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 98, 393-406.	16.4	11
26	A Review of Commercial Biogas Systems and Lessons for Africa. <i>Energies</i> , 2018, 11, 2984.	3.1	68
27	Decentralised Energy Systems in Africa: Coordination and Integration of Off-Grid and Grid Power Systems – Review of Planning Tools to Identify Renewable Energy Deployment Options for Rural Electrification in Africa. <i>Current Sustainable/Renewable Energy Reports</i> , 2018, 5, 214-223.	2.6	19
28	Evaluating the Effect of Two Chimney Configurations on the Overall Airflow and Heat Transfer of A Biomass Cook Stove. <i>Journal of Clean Energy Technologies</i> , 2018, 6, 353-356.	0.1	1
29	Electricity generation prospects from clustered smallholder and irrigated rice farms in Ghana. <i>Energy</i> , 2017, 121, 246-255.	8.8	8
30	Toward universal electrification in Ghana. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e225.	4.1	37
31	Energy efficiency awareness and preparedness among students. , 2017, , .		8
32	Techno-Economic Models for Optimised Utilisation of <i>Jatropha curcas</i> Linnaeus under an Out-Grower Farming Scheme in Ghana. <i>Resources</i> , 2016, 5, 38.	3.5	5
33	Trigeneration Based on Biomass - Specific Field Case: Agricultural Residues from Smallholder Farms in Ghana. <i>Energy Procedia</i> , 2016, 93, 146-153.	1.8	7
34	Modelling the socio-economic impacts of modern bioenergy in rural communities in Ghana. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 14, 9-20.	2.7	9
35	Technical and Socioeconomic Potential of Biogas from Cassava Waste in Ghana. <i>Biotechnology Research International</i> , 2015, 2015, 1-10.	1.4	9
36	African perspective on cellulosic ethanol production. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 1-11.	16.4	28

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37	Technical analysis of crop residue biomass energy in an agricultural region of Ghana. Resources, Conservation and Recycling, 2015, 96, 51-60.	10.8	44
38	Prospects for bioenergy use in Ghana using Long-range Energy Alternatives Planning model. Energy, 2015, 93, 672-682.	8.8	45
39	Electrification planning using Network Planner tool: The case of Ghana. Energy for Sustainable Development, 2014, 19, 92-101.	4.5	92
40	Assessment of biomass residue availability and bioenergy yields in Ghana. Resources, Conservation and Recycling, 2014, 86, 28-37.	10.8	88
41	Energy access indicators and trends in Ghana. Renewable and Sustainable Energy Reviews, 2014, 30, 317-323.	16.4	41
42	Activities of scavengers and itinerant buyers in Greater Accra, Ghana. Habitat International, 2013, 39, 148-155.	5.8	36
43	Assessment of Feedstock Options for Biofuels Production in Ghana. Journal of Sustainable Bioenergy Systems, 2013, 03, 119-128.	0.8	19
44	Physico-chemical characteristics and market potential of sawdust charcoal briquette. International Journal of Energy and Environmental Engineering, 2012, 3, 20.	2.5	98
45	Energy, Environment and Socio-Economic Development. , 2012, , 226-242.		0
46	A review of trends, policies and plans for increasing energy access in Ghana. Renewable and Sustainable Energy Reviews, 2011, 15, 5143-5154.	16.4	121
47	Catalytic Applications in the Production of Biodiesel from Vegetable Oils. ChemSusChem, 2009, 2, 278-300.	6.8	282
48	Energy for all in Africa " to be or not to be?!. Current Opinion in Environmental Sustainability, 2009, 1, 83-88.	6.3	79
49	Energy Access for Development. , 0, , 1401-1458.		29
50	Evaluating the Success of Renewable Energy and Energy Efficiency Policies in Ghana: Matching the Policy Objectives against Policy Instruments and Outcomes. , 0, , .		2
51	Life Cycle Cost Analysis for Industrial Bioenergy Projects: Development of a Simulation Tool and Application to Three Demand Sectors in Africa. SSRN Electronic Journal, 0, , .	0.4	1
52	Integrated bioethanol and briquette recovery from rice husk: a biorefinery analysis. Biomass Conversion and Biorefinery, 0, , 1.	4.6	9
53	Energy, Environment and Socio-Economic Development. , 0, , 166-182.		0