Francis Kemausuor

List of Publications by Year
in descending order

53	1,575	430874	315739
papers	citations	18 h-index	38 g-index

53	53	53	1715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic Applications in the Production of Biodiesel from Vegetable Oils. ChemSusChem, 2009, 2, 278-300.	6.8	282
2	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
3	Physico-chemical characteristics and market potential of sawdust charcoal briquette. International Journal of Energy and Environmental Engineering, 2012, 3, 20.	2.5	98
4	Electrification planning using Network Planner tool: The case of Ghana. Energy for Sustainable Development, 2014, 19, 92-101.	4.5	92
5	Assessment of biomass residue availability and bioenergy yields in Ghana. Resources, Conservation and Recycling, 2014, 86, 28-37.	10.8	88
6	Energy for all in Africa â€" to be or not to be?!. Current Opinion in Environmental Sustainability, 2009, 1, 83-88.	6.3	79
7	Seaweed Bioethanol Production: A Process Selection Review on Hydrolysis and Fermentation. Fermentation, 2018, 4, 99.	3.0	75
8	A Review of Commercial Biogas Systems and Lessons for Africa. Energies, 2018, 11, 2984.	3.1	68
9	Prospects for bioenergy use in Ghana using Long-range Energy Alternatives Planning model. Energy, 2015, 93, 672-682.	8.8	45
10	Technical analysis of crop residue biomass energy in an agricultural region of Ghana. Resources, Conservation and Recycling, 2015, 96, 51-60.	10.8	44
11	Energy access indicators and trends in Ghana. Renewable and Sustainable Energy Reviews, 2014, 30, 317-323.	16.4	41
12	Biogas optimisation processes and effluent quality: A review. Biomass and Bioenergy, 2020, 133, 105449.	5.7	41
13	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
14	Toward universal electrification in Ghana. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e225.	4.1	37
15	Activities of scavengers and itinerant buyers in Greater Accra, Ghana. Habitat International, 2013, 39, 148-155.	5.8	36
16	Energy Access for Development. , 0, , 1401-1458.		29
17	Mini-grid electricity service based on local agricultural residues: Feasibility study in rural Ghana. Energy, 2018, 153, 443-454.	8.8	29
18	African perspective on cellulosic ethanol production. Renewable and Sustainable Energy Reviews, 2015, 49, 1-11.	16.4	28

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19	Decentralised Energy Systems in Africa: Coordination and Integration of Off-Grid and Grid Power Systemsâ€"Review of Planning Tools to Identify Renewable Energy Deployment Options for Rural Electrification in Africa. Current Sustainable/Renewable Energy Reports, 2018, 5, 214-223.	2.6	19
20	Bioenergy from crop residues: A regional analysis for heat and electricity applications in Ghana. Biomass and Bioenergy, 2020, 140, 105640.	5.7	19
21	Assessment of Feedstock Options for Biofuels Production in Ghana. Journal of Sustainable Bioenergy Systems, 2013, 03, 119-128.	0.8	19
22	A biorefinery approach to bioethanol and bioelectricity co-production from tropical seaweeds. Journal of Applied Phycology, 2019, 31, 3899-3913.	2.8	18
23	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
24	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
25	Potential of Bioenergy in Rural Ghana. Sustainability, 2021, 13, 381.	3.2	16
26	Locational analysis of cellulosic ethanol production and distribution infrastructure for the transportation sector in Ghana. Renewable and Sustainable Energy Reviews, 2018, 98, 393-406.	16.4	11
27	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
28	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
29	Bottled Biogasâ€"An Opportunity for Clean Cooking in Ghana and Uganda. Energies, 2021, 14, 3856.	3.1	10
30	Technical and Socioeconomic Potential of Biogas from Cassava Waste in Ghana. Biotechnology Research International, 2015, 2015, 1-10.	1.4	9
31	Modelling the socio-economic impacts of modern bioenergy in rural communities in Ghana. Sustainable Energy Technologies and Assessments, 2016, 14, 9-20.	2.7	9
32	Experimental study of ferrocement downdraft gasifier engine system using different biomass feedstocks in Ghana. Sustainable Energy Technologies and Assessments, 2019, 31, 124-131.	2.7	9
33	Design, Fabrication and Evaluation of Non-Continuous Inverted Downdraft Gasifier Stove Utilizing Rice husk as feedstock. Scientific African, 2020, 8, e00414.	1.5	9
34	Integrated bioethanol and briquette recovery from rice husk: a biorefinery analysis. Biomass Conversion and Biorefinery, 0, , 1.	4.6	9
35	Biochar as a Soil Amendment Tool: Effects on Soil Properties and Yield of Maize and Cabbage in Brong-Ahafo Region, Ghana. Open Journal of Soil Science, 2020, 10, 91-108.	0.8	9
36	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

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37	Electricity generation prospects from clustered smallholder and irrigated rice farms in Ghana. Energy, 2017, 121, 246-255.	8.8	8
38	Energy efficiency awareness and preparedness among students. , 2017, , .		8
39	Cellulase and acid-catalysed hydrolysis of Ulva fasciata, Hydropuntia dentata and Sargassum vulgare for bioethanol production. SN Applied Sciences, 2019, 1, 1.	2.9	8
40	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
41	Biomass Valorization to Bioenergy: Assessment of Biomass Residuesâ€™ Availability and Bioenergy Potential in Nigeria. Sustainability, 2021, 13, 13806.	3.2	8
42	Trigeneration Based on Biomass - Specific Field Case: Agricultural Residues from Smallholder Farms in Ghana. Energy Procedia, 2016, 93, 146-153.	1.8	7
43	Techno-Economic Models for Optimised Utilisation of Jatropha curcas Linnaeus under an Out-Grower Farming Scheme in Ghana. Resources, 2016, 5, 38.	3.5	5
44	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
45	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
46	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
47	Evaluating the Success of Renewable Energy and Energy Efficiency Policies in Ghana: Matching the Policy Objectives against Policy Instruments and Outcomes. , 0, , .		2
48	Preliminary characterisation and valorisation of Ficus benjamina fruits for biofuel application. Biomass Conversion and Biorefinery, 2023, 13, 12643-12654.	4.6	2
49	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
50	Evaluating the Effect of Two Chimney Configurations on the Overall Airflow and Heat Transfer of A Biomass Cook Stove. Journal of Clean Energy Technologies, 2018, 6, 353-356.	0.1	1
51	Energy, Environment and Socio-Economic Development. , 2012, , 226-242.		0
52	Energy, Environment and Socio-Economic Development. , 0, , 166-182.		0
53	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