

Samuel Asumadu-Sarkodie

List of Publications by Citations

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124
papers

7,122
citations

41
h-index

83
g-index

137
ext. papers

10,166
ext. citations

5.7
avg, IF

7.85
L-index

#	Paper	IF	Citations
124	A review of renewable energy sources, sustainability issues and climate change mitigation. <i>Cogent Engineering</i> , 2016 , 3, 1167990	1.5	924
123	Toward a sustainable environment: Nexus between CO emissions, resource rent, renewable and nonrenewable energy in 16-EU countries. <i>Science of the Total Environment</i> , 2019 , 657, 1023-1029	10.2	520
122	Effect of foreign direct investments, economic development and energy consumption on greenhouse gas emissions in developing countries. <i>Science of the Total Environment</i> , 2019 , 646, 862-871	10.2	447
121	Investigation of environmental Kuznets curve for ecological footprint: The role of energy and financial development. <i>Science of the Total Environment</i> , 2019 , 650, 2483-2489	10.2	442
120	Dynamic impact of trade policy, economic growth, fertility rate, renewable and non-renewable energy consumption on ecological footprint in Europe. <i>Science of the Total Environment</i> , 2019 , 685, 702-709	10.2	285
119	Renewable energy, nuclear energy, and environmental pollution: Accounting for political institutional quality in South Africa. <i>Science of the Total Environment</i> , 2018 , 643, 1590-1601	10.2	251
118	Another look at the relationship between energy consumption, carbon dioxide emissions, and economic growth in South Africa. <i>Science of the Total Environment</i> , 2019 , 655, 759-765	10.2	239
117	A review on Environmental Kuznets Curve hypothesis using bibliometric and meta-analysis. <i>Science of the Total Environment</i> , 2019 , 649, 128-145	10.2	223
116	Empirical study of the Environmental Kuznets curve and Environmental Sustainability curve hypothesis for Australia, China, Ghana and USA. <i>Journal of Cleaner Production</i> , 2018 , 201, 98-110	10.3	172
115	The invisible hand and EKC hypothesis: what are the drivers of environmental degradation and pollution in Africa?. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 21993-22022	5.1	163
114	Environmental sustainability assessment using dynamic Autoregressive-Distributed Lag simulations-Nexus between greenhouse gas emissions, biomass energy, food and economic growth. <i>Science of the Total Environment</i> , 2019 , 668, 318-332	10.2	116
113	Carbon dioxide emissions, GDP, energy use, and population growth: a multivariate and causality analysis for Ghana, 1971-2013. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13508-20	5.1	107
112	Impact of meteorological factors on COVID-19 pandemic: Evidence from top 20 countries with confirmed cases. <i>Environmental Research</i> , 2020 , 191, 110101	7.9	105
111	Mitigating degradation and emissions in China: The role of environmental sustainability, human capital and renewable energy. <i>Science of the Total Environment</i> , 2020 , 719, 137530	10.2	103
110	Investigating the Environmental Kuznets Curve hypothesis in Kenya: A multivariate analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 117, 109481	16.2	103
109	Impact of COVID-19 pandemic on waste management. <i>Environment, Development and Sustainability</i> , 2020 , 23, 1-10	4.5	101
108	Energy efficiency: The role of technological innovation and knowledge spillover. <i>Technological Forecasting and Social Change</i> , 2021 , 167, 120659	9.5	88

107	Global assessment of environment, health and economic impact of the novel coronavirus (COVID-19). <i>Environment, Development and Sustainability</i> , 2020 , 23, 1-11	4.5	88
106	The relationship between carbon dioxide and agriculture in Ghana: a comparison of VECM and ARDL model. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 10968-10982	5.1	85
105	Testing the role of oil production in the environmental Kuznets curve of oil producing countries: New insights from Method of Moments Quantile Regression. <i>Science of the Total Environment</i> , 2020 , 711, 135208	10.2	84
104	Environmental quality effects of income, energy prices and trade: The role of renewable energy consumption in G-7 countries. <i>Science of the Total Environment</i> , 2020 , 721, 137813	10.2	83
103	Assessment of the role of renewable energy consumption and trade policy on environmental degradation using innovation accounting: Evidence from the US. <i>Renewable Energy</i> , 2020 , 150, 266-277	8.1	81
102	Assessment of contribution of Australia's energy production to CO emissions and environmental degradation using statistical dynamic approach. <i>Science of the Total Environment</i> , 2018 , 639, 888-899	10.2	81
101	The relationship between carbon dioxide emissions, energy consumption, and GDP: A recent evidence from Pakistan. <i>Cogent Engineering</i> , 2016 , 3, 1210491	1.5	79
100	Contemporaneous interaction between energy consumption, economic growth and environmental sustainability in South Africa: What drives what?. <i>Science of the Total Environment</i> , 2019 , 686, 468-475	10.2	71
99	Investigating the cases of novel coronavirus disease (COVID-19) in China using dynamic statistical techniques. <i>Heliyon</i> , 2020 , 6, e03747	3.6	66
98	Economic, social and governance adaptation readiness for mitigation of climate change vulnerability: Evidence from 192 countries. <i>Science of the Total Environment</i> , 2019 , 656, 150-164	10.2	65
97	A multivariate analysis of carbon dioxide emissions, electricity consumption, economic growth, financial development, industrialization, and urbanization in Senegal. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017 , 12, 77-84	3.1	57
96	The potential and economic viability of solar photovoltaic power in Ghana. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016 , 38, 709-716	1.6	55
95	A review of Ghana's energy sector national energy statistics and policy framework. <i>Cogent Engineering</i> , 2016 , 3, 1155274	1.5	55
94	Trivariate modelling of the nexus between electricity consumption, urbanization and economic growth in Nigeria: fresh insights from Maki Cointegration and causality tests. <i>Heliyon</i> , 2020 , 6, e03400	3.6	52
93	A review of Ghana's water resource management and the future prospect. <i>Cogent Engineering</i> , 2016 , 3, 1164275	1.5	51
92	Environmental performance, biocapacity, carbon & ecological footprint of nations: Drivers, trends and mitigation options. <i>Science of the Total Environment</i> , 2021 , 751, 141912	10.2	50
91	Electricity access, human development index, governance and income inequality in Sub-Saharan Africa. <i>Energy Reports</i> , 2020 , 6, 455-466	4.6	49
90	Interrelationship of microplastic pollution in sediments and oysters in a seaport environment of the eastern coast of Australia. <i>Science of the Total Environment</i> , 2019 , 695, 133924	10.2	48

89	Foreign direct investment and renewable energy in climate change mitigation: Does governance matter?. <i>Journal of Cleaner Production</i> , 2020 , 263, 121262	10.3	48
88	Multivariate co-integration analysis of the Kaya factors in Ghana. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 9934-43	5.1	45
87	Fiscal policy and CO emissions from heterogeneous fuel sources in Thailand: Evidence from multiple structural breaks cointegration test. <i>Science of the Total Environment</i> , 2020 , 702, 134711	10.2	44
86	Modeling natural gas consumption, capital formation, globalization, CO2 emissions and economic growth nexus in Malaysia: Fresh evidence from combined cointegration and causality analysis. <i>Energy Strategy Reviews</i> , 2020 , 31, 100526	9.8	43
85	Determinants of energy consumption in Kenya: A NIPALS approach. <i>Energy</i> , 2018 , 159, 696-705	7.9	43
84	The potential and economic viability of wind farms in Ghana. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016 , 38, 695-701	1.6	42
83	Global effect of urban sprawl, industrialization, trade and economic development on carbon dioxide emissions. <i>Environmental Research Letters</i> , 2020 , 15, 034049	6.2	41
82	Bibliometric analysis of water-energy-food nexus: Sustainability assessment of renewable energy. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 13, 29-34	8.1	41
81	Dynamic linkage between renewable and conventional energy use, environmental quality and economic growth: Evidence from Emerging Market and Developing Economies. <i>Energy Reports</i> , 2020 , 6, 965-973	4.6	40
80	Energy use, carbon dioxide emissions, GDP, industrialization, financial development, and population, a causal nexus in Sri Lanka: With a subsequent prediction of energy use using neural network. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2016 , 11, 889-899	3.1	40
79	Proximate determinants of particulate matter (PM) emission, mortality and life expectancy in Europe, Central Asia, Australia, Canada and the US. <i>Science of the Total Environment</i> , 2019 , 683, 489-497	10.2	39
78	New insight into the causal linkage between economic expansion, FDI, coal consumption, pollutant emissions and urbanization in South Africa. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 18013-18024	5.1	39
77	Effect of temperature on heavy metal(loid) deportment during pyrolysis of <i>Avicennia marina</i> biomass obtained from phytoremediation. <i>Bioresource Technology</i> , 2019 , 278, 214-222	11	38
76	Waste generation, wealth and GHG emissions from the waste sector: Is Denmark on the path towards circular economy?. <i>Science of the Total Environment</i> , 2021 , 755, 142510	10.2	38
75	Recent evidence of the relationship between carbon dioxide emissions, energy use, GDP, and population in Ghana: A linear regression approach. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017 , 12, 495-503	3.1	37
74	Feasibility of biomass heating system in Middle East Technical University, Northern Cyprus Campus. <i>Cogent Engineering</i> , 2016 , 3, 1134304	1.5	33
73	Generation of energy and environmental-economic growth consequences: Is there any difference across transition economies?. <i>Energy Reports</i> , 2020 , 6, 1418-1427	4.6	31
72	The causal nexus between carbon dioxide emissions and agricultural ecosystem-an econometric approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 1608-1618	5.1	31

71	The nexus between COVID-19 deaths, air pollution and economic growth in New York state: Evidence from Deep Machine Learning. <i>Journal of Environmental Management</i> , 2021 , 286, 112241	7.9	29
70	Carbon dioxide emission, electricity consumption, industrialization, and economic growth nexus: The Beninese case. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2016 , 11, 1089-1096	3.1	29
69	Global estimation of mortality, disability-adjusted life years and welfare cost from exposure to ambient air pollution. <i>Science of the Total Environment</i> , 2020 , 742, 140636	10.2	26
68	The impact of tourism arrivals, tourism receipts and renewable energy consumption on quality of life: A panel study of Southern African region. <i>Heliyon</i> , 2020 , 6, e05351	3.6	25
67	Impact assessment of trade on environmental performance: accounting for the role of government integrity and economic development in 79 countries. <i>Heliyon</i> , 2020 , 6, e05046	3.6	24
66	Electricity access and income inequality in South Africa: Evidence from Bayesian and NARDL analyses. <i>Energy Strategy Reviews</i> , 2020 , 29, 100480	9.8	23
65	The causal effect of carbon dioxide emissions, electricity consumption, economic growth, and industrialization in Sierra Leone. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017 , 12, 32-39	3.1	22
64	Electricity production potential and social benefits from rice husk, a case study in Pakistan. <i>Cogent Engineering</i> , 2016 , 3, 1177156	1.5	22
63	Carbon dioxide emissions, GDP per capita, industrialization and population: An evidence from Rwanda. <i>Environmental Engineering Research</i> , 2017 , 22, 116-124	3.6	22
62	Forecasting Nigeria's energy use by 2030, an econometric approach. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2016 , 11, 990-997	3.1	22
61	Climate change and crop production nexus in Somalia: an empirical evidence from ARDL technique. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 19838-19850	5.1	22
60	The impact of energy, agriculture, macroeconomic and human-induced indicators on environmental pollution: evidence from Ghana. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 6622-6633	5.1	20
59	The prospects of decentralised solar energy home systems in rural communities: User experience, determinants, and impact of free solar power on the energy poverty cycle. <i>Energy Strategy Reviews</i> , 2019 , 26, 100424	9.8	20
58	Causal effect of environmental factors, economic indicators and domestic material consumption using frequency domain causality test. <i>Science of the Total Environment</i> , 2020 , 736, 139602	10.2	19
57	Testing the transport-induced environmental Kuznets curve hypothesis: The role of air and railway transport. <i>Journal of Air Transport Management</i> , 2020 , 89, 101935	5.1	19
56	Energy consumption and economic growth in Italy: A wavelet analysis. <i>Energy Reports</i> , 2021 , 7, 1520-1528	8.6	19
55	Is there a causal effect between agricultural production and carbon dioxide emissions in Ghana?. <i>Environmental Engineering Research</i> , 2017 , 22, 40-54	3.6	18
54	Panel heterogeneous distribution analysis of trade and modernized agriculture on CO2 emissions: The role of renewable and fossil fuel energy consumption. <i>Natural Resources Forum</i> , 2019 , 43, 135-153	2.2	17

53	The relationship between carbon dioxide emissions, electricity production and consumption in Ghana. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017 , 12, 547-558	3.1	16
52	A review of Ghana's solar energy potential. <i>AIMS Energy</i> , 2016 , 4, 675-696	1.8	16
51	The relationship between carbon dioxide, crop and food production index in Ghana: By estimating the long-run elasticities and variance decomposition. <i>Environmental Engineering Research</i> , 2017 , 22, 193-202	3.6	16
50	The casual nexus between child mortality rate, fertility rate, GDP, household final consumption expenditure, and food production index. <i>Cogent Economics and Finance</i> , 2016 , 4, 1191985	1.4	15
49	How to apply the novel dynamic ARDL simulations (dynardl) and Kernel-based regularized least squares (krls). <i>MethodsX</i> , 2020 , 7, 101160	1.9	15
48	Does biomass energy drive environmental sustainability? An SDG perspective for top five biomass consuming countries. <i>Biomass and Bioenergy</i> , 2021 , 149, 106076	5.3	15
47	Achieving a cleaner environment via the environmental Kuznets curve hypothesis: determinants of electricity access and pollution in India. <i>Clean Technologies and Environmental Policy</i> , 2019 , 21, 1883-1889	4.3	14
46	Situational Analysis of Flood and Drought in Rwanda. <i>International Journal of Scientific and Engineering Research</i> , 2015 , 6, 960-970	1.8	14
45	The causal nexus between energy use, carbon dioxide emissions, and macroeconomic variables in Ghana. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017 , 12, 533-546	3.1	13
44	A hybrid solar photovoltaic-wind turbine-Rankine cycle for electricity generation in Turkish Republic of Northern Cyprus. <i>Cogent Engineering</i> , 2016 , 3, 1180740	1.5	13
43	The relationship between financial development and income inequality in Turkey. <i>Journal of Economic Structures</i> , 2020 , 9,	3.2	12
42	Energy-Climate-Economy-Population Nexus: An Empirical Analysis in Kenya, Senegal, and Eswatini. <i>Sustainability</i> , 2020 , 12, 6202	3.6	12
41	Global effect of city-to-city air pollution, health conditions, climatic & socio-economic factors on COVID-19 pandemic. <i>Science of the Total Environment</i> , 2021 , 778, 146394	10.2	12
40	The nCOVID-19 and financial stress in the USA: health is wealth. <i>Environment, Development and Sustainability</i> , 2020 , 23, 1-12	4.5	12
39	Mitigating human-induced emissions in Argentina: role of renewables, income, globalization, and financial development. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 67764-67778	5.1	11
38	Does energy consumption follow asymmetric behavior? An assessment of Ghana's energy sector dynamics. <i>Science of the Total Environment</i> , 2019 , 651, 2886-2898	10.2	11
37	Fuel choice and tradition: Why fuel stacking and the energy ladder are out of step?. <i>Solar Energy</i> , 2021 , 214, 491-501	6.8	11
36	COVID-19 pandemic improves market signals of cryptocurrencies-evidence from Bitcoin, Bitcoin Cash, Ethereum, and Litecoin.. <i>Finance Research Letters</i> , 2022 , 44, 102049	8.1	10

35	Conflicts and ecological footprint in MENA countries: implications for sustainable terrestrial ecosystem. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 59988-59999	5.1	10
34	Modeling the Effects of Agricultural Innovation and Biocapacity on Carbon Dioxide Emissions in an Agrarian-Based Economy: Evidence From the Dynamic ARDL Simulations. <i>Frontiers in Energy Research</i> , 2021 , 8,	3.8	10
33	Relationship between mortality and health care expenditure: Sustainable assessment of health care system. <i>PLoS ONE</i> , 2021 , 16, e0247413	3.7	10
32	Do dependence on fossil fuels and corruption spur ecological footprint?. <i>Environmental Impact Assessment Review</i> , 2021 , 90, 106641	5.3	10
31	Examining the external-factors-led growth hypothesis for the South African economy. <i>Heliyon</i> , 2020 , 6, e04009	3.6	9
30	Estimating Ghana's electricity consumption by 2030: An ARIMA forecast. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017 , 12, 936-944	3.1	9
29	Novel derivatives of regioisomerically pure 1,7-disubstituted perylene diimide dyes bearing phenoxy and pyrrolidinyl substituents: Synthesis, photophysical, thermal, and structural properties. <i>Journal of Luminescence</i> , 2017 , 192, 414-423	3.8	9
28	Energy Conversion Efficiency of Pyrolysis of Chicken Litter and Rice Husk Biomass. <i>Energy & Fuels</i> , 2019 , 33, 6509-6514	4.1	8
27	Are fluctuations in coal, oil and natural gas consumption permanent or transitory? Evidence from OECD countries. <i>Heliyon</i> , 2020 , 6, e03391	3.6	8
26	Energy Diversification and Economic Development in Emergent Countries: Evidence From Fourier Function-Driven Bootstrap Panel Causality Test. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	8
25	Failure to control economic sectoral inefficiencies through policy stringency disrupts environmental performance. <i>Science of the Total Environment</i> , 2021 , 772, 145603	10.2	8
24	Predicting the influence of climate on grassland area burned in Xilingol, China with dynamic simulations of autoregressive distributed lag models. <i>PLoS ONE</i> , 2020 , 15, e0229894	3.7	6
23	Soil-to-cassava transfer of naturally occurring radionuclides from communities along Ghana's oil and gas rich Tano Basin. <i>Journal of Environmental Radioactivity</i> , 2018 , 182, 138-141	2.4	6
22	Econometrics of Anthropogenic Emissions, Green Energy-Based Innovations, and Energy Intensity across OECD Countries. <i>Sustainability</i> , 2021 , 13, 4118	3.6	6
21	Escalation effect of fossil-based CO emissions improves green energy innovation. <i>Science of the Total Environment</i> , 2021 , 785, 147257	10.2	6
20	COVID-19 pandemic and economic policy uncertainty regimes affect commodity market volatility. <i>Resources Policy</i> , 2021 , 74, 102303	7.2	6
19	Rethinking electricity consumption and economic growth nexus in Turkey: environmental pros and cons. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 39222-39240	5.1	5
18	Analyzing asymmetric effects of cryptocurrency demand on environmental sustainability.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	5

17	Global FDI Inflow and Its Implication across Economic Income Groups. <i>Journal of Risk and Financial Management</i> , 2020 , 13, 291	2.4	5
16	Ambient air pollution and meteorological factors escalate electricity consumption. <i>Science of the Total Environment</i> , 2021 , 795, 148841	10.2	5
15	Winners and losers of energy sustainability-Global assessment of the Sustainable Development Goals.. <i>Science of the Total Environment</i> , 2022 , 154945	10.2	4
14	How to apply dynamic panel bootstrap-corrected fixed-effects (xtbctfe) and heterogeneous dynamics (panelhetero). <i>MethodsX</i> , 2020 , 7, 101045	1.9	3
13	Investigating the Cases of Novel Coronavirus Disease (COVID-19) in China Using Dynamic Statistical Techniques. <i>SSRN Electronic Journal</i> ,	1	3
12	How COVID-19 pandemic may hamper sustainable economic development. <i>Journal of Public Affairs</i> , 2021 , e2675	1.3	3
11	Counterfactual shock in energy commodities affects stock market dynamics: Evidence from the United States. <i>Resources Policy</i> , 2021 , 72, 102083	7.2	3
10	Asymmetric impact of energy utilization and economic development on environmental degradation in Somalia. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
9	Sustaining Economic Growth in Sub-Saharan Africa: Do FDI Inflows and External Debt Count?. <i>Journal of Risk and Financial Management</i> , 2021 , 14, 146	2.4	2
8	Heterogeneous effects of temperature and emissions on economic productivity across climate regimes. <i>Science of the Total Environment</i> , 2021 , 775, 145893	10.2	2
7	Dataset on bitcoin carbon footprint and energy consumption. <i>Data in Brief</i> , 2022 , 108252	1.2	2
6	Evaluating the Success of Renewable Energy and Energy Efficiency Policies in Ghana: Matching the Policy Objectives against Policy Instruments and Outcomes 2020 ,		1
5	Monitoring the Impact of COVID-19 Lockdown on the Production of Nitrogen Dioxide (NO ₂) Pollutants Using Satellite Imagery: A Case Study of South Asia. <i>Sustainability</i> , 2021 , 13, 7184	3.6	1
4	Towards mitigating ecological degradation in G-7 countries: accounting for economic effect dynamics, renewable energy consumption, and innovation.. <i>Heliyon</i> , 2021 , 7, e08592	3.6	1
3	Extreme climatic effects hamper livestock production in Somalia.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
2	Seasonal weather and climate prediction over area burned in grasslands of northeast China. <i>Scientific Reports</i> , 2020 , 10, 19961	4.9	0
1	The Impact Assessment of Energy, Agriculture, and Socioeconomic Indicators on Carbon Dioxide Emissions in Ghana. <i>Handbook of Environment and Waste Management</i> , 2020 , 137-201	0.4	