

# Adolf A Acquaye

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

4,049  
citations

236925

25  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable supply chain management and the transition towards a circular economy: Evidence and some applications. <i>Omega</i> , 2017, 66, 344-357.	5.9	789
2	A critical analysis of the impacts of COVID-19 on the global economy and ecosystems and opportunities for circular economy strategies. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105169.	10.8	483
3	Operational vs. embodied emissions in buildings—A review of current trends. <i>Energy and Buildings</i> , 2013, 66, 232-245.	6.7	400
4	Comparing linear and circular supply chains: A case study from the construction industry. <i>International Journal of Production Economics</i> , 2017, 183, 443-457.	8.9	292
5	Perovskite solar cells: An integrated hybrid lifecycle assessment and review in comparison with other photovoltaic technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 1321-1344.	16.4	240
6	Application of Hybrid Life Cycle Approaches to Emerging Energy Technologies – The Case of Wind Power in the UK. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5900-5907.	10.0	234
7	Input–output analysis of Irish construction sector greenhouse gas emissions. <i>Building and Environment</i> , 2010, 45, 784-791.	6.9	207
8	Identification of “Carbon Hot-Spots”™ and Quantification of GHG Intensities in the Biodiesel Supply Chain Using Hybrid LCA and Structural Path Analysis. <i>Environmental Science &amp; Technology</i> , 2011, 45, 2471-2478.	10.0	153
9	Measuring the environmental sustainability performance of global supply chains: A multi-regional input-output analysis for carbon, sulphur oxide and water footprints. <i>Journal of Environmental Management</i> , 2017, 187, 571-585.	7.8	146
10	Developing sustainable supply chains in the UK construction industry: A case study. <i>International Journal of Production Economics</i> , 2015, 164, 271-284.	8.9	122
11	Integrated hybrid life cycle assessment and supply chain environmental profile evaluations of lead-based (lead zirconate titanate) versus lead-free (potassium sodium niobate) piezoelectric ceramics. <i>Energy and Environmental Science</i> , 2016, 9, 3495-3520.	30.8	116
12	Decarbonising product supply chains: design and development of an integrated evidence-based decision support system – the supply chain environmental analysis tool (SCEnAT). <i>International Journal of Production Research</i> , 2013, 51, 2092-2109.	7.5	88
13	Are lead-free piezoelectrics more environmentally friendly?. <i>MRS Communications</i> , 2017, 7, 1-7.	1.8	84
14	A quantitative model for environmentally sustainable supply chain performance measurement. <i>European Journal of Operational Research</i> , 2018, 269, 188-205.	5.7	77
15	Benchmarking carbon emissions performance in supply chains. <i>Supply Chain Management</i> , 2014, 19, 306-321.	6.4	70
16	Integrating economic considerations with operational and embodied emissions into a decision support system for the optimal ranking of building retrofit options. <i>Building and Environment</i> , 2014, 72, 82-101.	6.9	64
17	Unravelling the attitude-behaviour gap paradox for sustainable food consumption: Insight from the UK apple market. <i>Journal of Cleaner Production</i> , 2019, 217, 172-184.	9.3	61
18	Life cycle assessment and environmental profile evaluation of lead-free piezoelectrics in comparison with lead zirconate titanate. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4922-4938.	5.7	56

#	ARTICLE	IF	CITATIONS
19	An application of hybrid life cycle assessment as a decision support framework for green supply chains. <i>International Journal of Production Research</i> , 2015, 53, 6495-6521.	7.5	49
20	Biofuels and their potential to aid the UK towards achieving emissions reduction policy targets. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5414-5422.	16.4	44
21	Energy efficiency retrofitting services supply chains: Evidence about stakeholders and configurations from the Yorkshire and Humber region case. <i>International Journal of Production Economics</i> , 2013, 144, 20-43.	8.9	33
22	Stochastic hybrid embodied CO <sub>2</sub> -eq analysis: An application to the Irish apartment building sector. <i>Energy and Buildings</i> , 2011, 43, 1295-1303.	6.7	31
23	Embodied emissions abatement—A policy assessment using stochastic analysis. <i>Energy Policy</i> , 2011, 39, 429-441.	8.8	30
24	How do end of life scenarios influence the environmental impact of product supply chains? comparing biomaterial and petrochemical products. <i>Journal of Cleaner Production</i> , 2012, 29-30, 122-131.	9.3	30
25	Drivers of U.S. toxicological footprints trajectory 1998–2013. <i>Scientific Reports</i> , 2016, 6, 39514.	3.3	29
26	Sustainability assessment of energy production: A critical review of methods, measures and issues. <i>Journal of Environmental Management</i> , 2020, 264, 110464.	7.8	29
27	Modelling Multi-regional Ecological Exchanges: The Case of UK and Africa. <i>Ecological Economics</i> , 2018, 147, 422-435.	5.7	26
28	An integrated environmental and fairtrade labelling scheme for product supply chains. <i>International Journal of Production Economics</i> , 2015, 164, 472-483.	8.9	21
29	Stakeholder Collaboration in Climate-Smart Agricultural Production Innovations: Insights from the Cocoa Industry in Ghana. <i>Environmental Management</i> , 2020, 66, 600-613.	2.7	13
30	Towards sustainable agroforestry management: Harnessing the nutritional soil value through cocoa mix waste. <i>Waste Management</i> , 2021, 124, 264-272.	7.4	12
31	Green supply chain management: the development of supply chain carbon maps. <i>Journal of Evidence-Based Medicine</i> , 2012, 3, 175.	1.8	9
32	A Decision Support Framework for Evaluation of Environmentally and Economically Optimal Retrofit of Non-domestic Buildings. <i>Smart Innovation, Systems and Technologies</i> , 2013, , 209-227.	0.6	4
33	Regional development, innovation systems and service companies™ performance. <i>Technological Forecasting and Social Change</i> , 2022, 174, 121258.	11.6	3
34	Evaluating the Potential for Harmonized Prediction and Comparison of Disposal-Stage Greenhouse Gas Emissions for Biomaterial Products. <i>Journal of Industrial Ecology</i> , 2017, 21, 101-115.	5.5	2
35	An investigation into design and performance of supply chains for public procurement projects. <i>Production Planning and Control</i> , 2020, , 1-20.	8.8	2
36	Using Policy Instruments to Drive Optimal Living and Sustainable Consumption in the Built and Natural Environment. <i>Springer Optimization and Its Applications</i> , 2015, , 183-200.	0.9	0