

Josephine Kaviti Musango

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2219681/publications.pdf>

Version: 2024-02-01

48
papers

1,281
citations

304602

22
h-index

377752

34
g-index

48
all docs

48
docs citations

48
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofuels and sustainability in Africa. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1360-1372.	8.2	210
2	Developmental States and Sustainability Transitions: Prospects of a Just Transition in South Africa. <i>Journal of Environmental Policy and Planning</i> , 2016, 18, 650-672.	1.5	124
3	A conceptual framework for energy technology sustainability assessment. <i>Energy for Sustainable Development</i> , 2011, 15, 84-91.	2.0	77
4	Mediating household energy transitions through co-design in urban Kenya, Uganda and South Africa. <i>Energy Research and Social Science</i> , 2019, 55, 208-217.	3.0	53
5	Modelling the transition towards a green economy in South Africa. <i>Technological Forecasting and Social Change</i> , 2014, 87, 257-273.	6.2	49
6	Conceptualising slum in an urban African context. <i>Cities</i> , 2017, 62, 107-119.	2.7	47
7	Towards connecting green economy with informal economy in South Africa: A review and way forward. <i>Ecological Economics</i> , 2015, 116, 154-159.	2.9	46
8	Community perspectives on the introduction of biodiesel production in the Eastern Cape Province of South Africa. <i>Energy</i> , 2011, 36, 2502-2508.	4.5	44
9	A system dynamics approach to technology sustainability assessment: The case of biodiesel developments in South Africa. <i>Technovation</i> , 2012, 32, 639-651.	4.2	42
10	Sustainable energy transition framework for unmet electricity markets. <i>Energy Policy</i> , 2019, 129, 1090-1099.	4.2	41
11	African Urbanization: Assimilating Urban Metabolism into Sustainability Discourse and Practice. <i>Journal of Industrial Ecology</i> , 2017, 21, 1262-1276.	2.8	39
12	Urban metabolism: A review with reference to Cape Town. <i>Cities</i> , 2017, 70, 91-110.	2.7	38
13	A dynamic ecological-economic modeling approach for aquaculture management. <i>Ecological Economics</i> , 2009, 68, 3007-3017.	2.9	36
14	Probing uncertainty levels of electrification in informal urban settlements: A case from South Africa. <i>Habitat International</i> , 2016, 56, 212-221.	2.3	35
15	Understanding electricity legitimacy dynamics in an urban informal settlement in South Africa: A Community Based System Dynamics approach. <i>Energy for Sustainable Development</i> , 2019, 49, 39-52.	2.0	33
16	Technology sustainability assessment of biodiesel development in South Africa: A system dynamics approach. <i>Energy</i> , 2011, 36, 6922-6940.	4.5	32
17	Household electricity access and consumption behaviour in an urban environment: The case of Gauteng in South Africa. <i>Energy for Sustainable Development</i> , 2014, 23, 305-316.	2.0	32
18	Perpetuating energy poverty: Assessing roadmaps for universal energy access in unmet African electricity markets. <i>Energy Research and Social Science</i> , 2019, 55, 1-13.	3.0	31

#	ARTICLE	IF	CITATIONS
19	Mainstreaming gender to achieve security of energy services in poor urban environments. <i>Energy Research and Social Science</i> , 2020, 70, 101715.	3.0	30
20	Interrogating differences: A comparative analysis of Africa's informal settlements. <i>World Development</i> , 2019, 122, 614-627.	2.6	26
21	Developing building typologies to examine energy efficiency in representative low cost buildings in Cape Town townships. <i>Sustainable Cities and Society</i> , 2017, 33, 1-17.	5.1	23
22	Towards Urban Resource Flow Estimates in Data Scarce Environments: The Case of African Cities. <i>Journal of Environmental Protection</i> , 2015, 06, 1066-1083.	0.3	22
23	Urban metabolism of the informal city: Probing and measuring the "unmeasurable" to monitor Sustainable Development Goal 11 indicators. <i>Ecological Indicators</i> , 2020, 119, 106746.	2.6	18
24	Estimating current and future global urban domestic material consumption. <i>Environmental Research Letters</i> , 2018, 13, 065012.	2.2	17
25	Connecting energy services, carriers and flows: Rethinking household energy metabolism in Cape Town, South Africa. <i>Energy Research and Social Science</i> , 2020, 60, 101313.	3.0	16
26	Environmental and natural resource implications of sustainable urban infrastructure systems. <i>Environmental Research Letters</i> , 2017, 12, 125009.	2.2	13
27	Addressing gender dimensions in energy innovations: A gender analysis framework for informal urban settlements in Africa. <i>Energy Research and Social Science</i> , 2022, 88, 102476.	3.0	12
28	Building capacity towards what? Proposing a framework for the analysis of energy transition governance in the context of urban informality in Sub-Saharan Africa. <i>Local Environment</i> , 2021, 26, 364-378.	1.1	10
29	Implications of biofuel production in the Western Cape province, South Africa: A system dynamics modelling approach of South Africa: A system dynamics modelling approach. <i>Journal of Energy in Southern Africa</i> , 2017, 28, 1.	0.5	10
30	Assessing gender and energy in urban household energy transitions in South Africa: A quantitative storytelling from Groenheuwel informal settlement. <i>Energy Research and Social Science</i> , 2022, 88, 102525.	3.0	10
31	Development of living labs to support gendered energy technology innovation in poor urban environments. <i>Technology in Society</i> , 2022, 68, 101850.	4.8	9
32	Infrastructure implications of a green economy transition in the Western Cape Province of South Africa: A system dynamics modelling approach. <i>Development Southern Africa</i> , 2017, 34, 529-547.	1.1	7
33	Conceptualizing Household Energy Metabolism: A Methodological Contribution. <i>Energies</i> , 2019, 12, 4125.	1.6	7
34	An analysis of potential feedstock and location for biodiesel production in Southern Africa. <i>International Journal of Sustainable Energy</i> , 2011, 30, S35-S58.	1.3	6
35	Modelling gendered innovation for the security of energy services in poor urban environments. <i>Systems Research and Behavioral Science</i> , 0, , .	0.9	6
36	LEAPFROGGING TO RENEWABLE ENERGY: THE OPPORTUNITY FOR UNMET ELECTRICITY MARKETS. <i>South African Journal of Industrial Engineering</i> , 2017, 28, .	0.2	6

#	ARTICLE	IF	CITATIONS
37	Strategic Investment to Increase Access to Finance Among Mini-Grid ESCOs : Perspectives from sub-Saharan Africa. , 2018, , .		5
38	Towards a theoretical framework for gendered energy transition at the urban household level: A case of Mozambique. Renewable and Sustainable Energy Reviews, 2022, 157, 112029.	8.2	5
39	Towards a Systemic Assessment of Gendered Energy Transition in Urban Households. Energies, 2021, 14, 7251.	1.6	3
40	Proposing a masterâ€™s programme on participatory integrated assessment of energy systems to promote energy access and energy efficiency in Southern Africa. International Journal of Sustainability in Higher Education, 2018, 19, 622-641.	1.6	2
41	The Correlation between Energy Cost Share, Human, and Economic Development: Using Time Series Data from Australasia, Europe, North America, and the BRICS Nations. Energies, 2018, 11, 2405.	1.6	2
42	INVESTIGATING A GREEN ECONOMY TRANSITION OF THE ELECTRICITY SECTOR IN THE WESTERN CAPE PROVINCE OF SOUTH AFRICA: A SYSTEM DYNAMICS APPROACH. South African Journal of Industrial Engineering, 2016, 27, .	0.2	2
43	Energy price modeling in sub-Saharan Africa: an systematic literature review. Environmental Research: Infrastructure and Sustainability, 2022, 2, 015001.	0.9	2
44	Supporting the Development of Gendered Energy Innovations for Informal Urban Settlements: GENS Codesign Toolkit for Multistakeholder Collaboration. Sustainability, 2022, 14, 6291.	1.6	2
45	RETHINKING STRATEGIC SUSTAINABILITY PLANNING FOR THE ELECTRICITY SECTOR IN SOUTH AFRICA. South African Journal of Industrial Engineering, 0, , .	0.2	1
46	A system dynamics approach to modelling the management of the increased prediabetic prevalence of the South African population. , 2019, , .		0
47	IMPLICATIONS FOR THE AGRICULTURE SECTOR OF A GREEN ECONOMY TRANSITION IN THE WESTERN CAPE PROVINCE OF SOUTH AFRICA: A SYSTEM DYNAMICS MODELLING APPROACH TO FOOD CROP PRODUCTION. South African Journal of Industrial Engineering, 2017, 28, .	0.2	0
48	Control Theory and System Dynamics Simulations of Electric Vehicle Market Penetration in South Africa. Lecture Notes in Electrical Engineering, 2019, , 403-413.	0.3	0