

# Andrea Micangeli

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

555  
citations

623734

14  
h-index

642732

23  
g-index

39  
all docs

39  
docs citations

39  
times ranked

523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple design options for sizing off-grid microgrids: A novel single-objective approach to support multi-criteria decision making. <i>Sustainable Energy, Grids and Networks</i> , 2022, 30, 100644.	3.9	15
2	Triple Helix as a Strategic Tool to Fast-Track Climate Change Adaptation in Rural Kenya: Case Study of Marsabit County. , 2021, , 1873-1895.		0
3	Mini-grid hybridization and demand side management on non-interconnected small islands: the case study of Ustica, Italy. <i>E3S Web of Conferences</i> , 2021, 238, 02008.	0.5	0
4	Coupling economic multi-objective optimization and multiple design options: A business-oriented approach to size an off-grid hybrid microgrid. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 127, 106686.	5.5	21
5	Real time power management strategy for hybrid energy storage systems coupled with variable energy sources in power smoothing applications. <i>Energy Reports</i> , 2021, 7, 2872-2882.	5.1	23
6	Classification and modeling of load profiles of isolated mini-grids in developing countries: A data-driven approach. <i>Energy for Sustainable Development</i> , 2020, 59, 208-225.	4.5	19
7	Optimal Design of Isolated Mini-Grids with Deterministic Methods: Matching Predictive Operating Strategies with Low Computational Requirements. <i>Energies</i> , 2020, 13, 4214.	3.1	10
8	Triple Helix as a Strategic Tool to Fast-Track Climate Change Adaptation in Rural Kenya: Case Study of Marsabit County. , 2020, , 1-23.		1
9	Optimal sizing and operation of isolated microgrids for developing countries: hedging uncertainties with Monte Carlo techniques. , 2020, , .		2
10	Ramp rate abatement for wind power plants: A techno-economic analysis. <i>Applied Energy</i> , 2019, 254, 113600.	10.1	19
11	How Hybridization of Energy Storage Technologies Can Provide Additional Flexibility and Competitiveness to Microgrids in the Context of Developing Countries. <i>Energies</i> , 2019, 12, 3138.	3.1	21
12	Ramp rate abatement for wind energy integration in microgrids. <i>Energy Procedia</i> , 2019, 159, 292-297.	1.8	2
13	Methodology for the Energy Need Assessment to Effectively Design and Deploy Mini-Grids for Rural Electrification. <i>Energies</i> , 2019, 12, 574.	3.1	23
14	Optimal design of off-grid power systems operated by a rolling-horizon strategy: a method to reduce computational requirements. , 2019, , .		1
15	Comparison among deterministic methods to design rural mini-grids: effect of operating strategies. , 2019, , .		3
16	Stochastic sizing of isolated rural mini-grids, including effects of fuel procurement and operational strategies. <i>Electric Power Systems Research</i> , 2018, 160, 419-428.	3.6	37
17	Rural Electrification in Central America and East Africa, two case studies of sustainable microgrids. <i>Iberoamerican Journal of Development Studies</i> , 2018, 7, 82-113.	0.2	3
18	Energy Production Analysis and Optimization of Mini-Grid in Remote Areas: The Case Study of Habaswein, Kenya. <i>Energies</i> , 2017, 10, 2041.	3.1	46

#	ARTICLE	IF	CITATIONS
19	Experimental Tests of Solar Collectors Prototypes Systems. Energy Procedia, 2015, 82, 744-751.	1.8	11
20	Efficient energy harvesting for Microbial Fuel Cell dedicated to Wireless Sensor Network. , 2015, , .		11
21	A Sustainable and Resilient Housing Model for Indigenous Populations of the Mosquitia Region (Honduras). Sustainability, 2014, 6, 4931-4948.	3.2	6
22	Wireless Sensor Network Powered by a Terrestrial Microbial Fuel Cell as a Sustainable Land Monitoring Energy System. Sustainability, 2014, 6, 7263-7275.	3.2	31
23	State of Art of Small Scale Solar Powered ORC Systems: A Review of the Different Typologies and Technology Perspectives. Energy Procedia, 2014, 45, 257-267.	1.8	51
24	Attitudes toward Sustainability and Green Economy Issues Related to Some Students Learning Their Characteristics: A Preliminary Study. Sustainability, 2014, 6, 3484-3503.	3.2	18
25	Exergy-Based Analysis of an Isolated Honduras Community. , 2014, , .		0
26	Energy optimisation and layout of a membrane-free OSEC system for the hypochlorite self-production in Developing Countries. Energy Conversion and Management, 2013, 75, 446-452.	9.2	14
27	Hydrogen-Rich Gas Production by Sorption Enhanced Steam Reforming of Woodgas Containing TAR over a Commercial Ni Catalyst and Calcined Dolomite as CO2 Sorbent. Energies, 2013, 6, 3167-3181.	3.1	39
28	Sustainability after the Thermal Energy Supply in Emergency Situations: The Case Study of Abruzzi Earthquake (Italy). Sustainability, 2013, 5, 3513-3525.	3.2	15
29	Sustainable Rehabilitation of Water Infrastructures in Southern Iraq After the Second Gulf War. , 2013, , 211-245.		3
30	Chlorine Self-Production Plant Solution for Effluent Water to be Used in Irrigation in Gaza Strip. , 2013, , 117-136.		3
31	Micro Hydro in Emergency Situations: A Sustainable Energy Solution at La Realidad (Chiapas, Mexico). , 2013, , 163-179.		3
32	The Potential in Water Supply and Sanitation Services of the On Site Production of Sodium Hypochlorite (OSEC) Driven by PV Solar Source. Journal of Sustainable Development of Energy, Water and Environment Systems, 2013, 1, 311-325.	1.9	3
33	Experimental and computational investigation of a new solar integrated collector storage system. Applied Energy, 2012, 97, 982-989.	10.1	22
34	Post-earthquake rehabilitation of the rural water systems in Kashmir's Jehlum Valley. Disasters, 2010, 34, 684-694.	2.2	7
35	Electricity privatizations in Sahel: A U-turn?. Energy Policy, 2009, 37, 4189-4207.	8.8	11
36	Checking an integrated model of web accessibility and usability evaluation for disabled people. Disability and Rehabilitation, 2005, 27, 781-790.	1.8	42

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37	Water purification in the Middle East crisis: a survey on WTP and CU in Basrah (Iraq) area within a research and development program. <i>Desalination</i> , 2004, 165, 73-79.	8.2	12
38	Sustainable water treatment and chlorine production in emergency conditions in South Iraq. <i>Desalination</i> , 2004, 165, 123-132.	8.2	4