

Andrea Micangeli

List of Publications by Year in descending order

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38
papers

555
citations

623734

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g-index

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all docs

39
docs citations

39
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	State of Art of Small Scale Solar Powered ORC Systems: A Review of the Different Typologies and Technology Perspectives. <i>Energy Procedia</i> , 2014, 45, 257-267.	1.8	51
2	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
3	Checking an integrated model of web accessibility and usability evaluation for disabled people. <i>Disability and Rehabilitation</i> , 2005, 27, 781-790.	1.8	42
4	Hydrogen-Rich Gas Production by Sorption Enhanced Steam Reforming of Woodgas Containing TAR over a Commercial Ni Catalyst and Calcined Dolomite as CO ₂ Sorbent. <i>Energies</i> , 2013, 6, 3167-3181.	3.1	39
5	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
6	Wireless Sensor Network Powered by a Terrestrial Microbial Fuel Cell as a Sustainable Land Monitoring Energy System. <i>Sustainability</i> , 2014, 6, 7263-7275.	3.2	31
7	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
8	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
9	Experimental and computational investigation of a new solar integrated collector storage system. <i>Applied Energy</i> , 2012, 97, 982-989.	10.1	22
10	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
11	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
12	Ramp rate abatement for wind power plants: A techno-economic analysis. <i>Applied Energy</i> , 2019, 254, 113600.	10.1	19
13	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
14	Attitudes toward Sustainability and Green Economy Issues Related to Some Students Learning Their Characteristics: A Preliminary Study. <i>Sustainability</i> , 2014, 6, 3484-3503.	3.2	18
15	Sustainability after the Thermal Energy Supply in Emergency Situations: The Case Study of Abruzzi Earthquake (Italy). <i>Sustainability</i> , 2013, 5, 3513-3525.	3.2	15
16	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
17	Energy optimisation and layout of a membrane-free OSEC system for the hypochlorite self-production in Developing Countries. <i>Energy Conversion and Management</i> , 2013, 75, 446-452.	9.2	14
18	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

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19	Electricity privatizations in Sahel: A U-turn?. Energy Policy, 2009, 37, 4189-4207.	8.8	11
20	Experimental Tests of Solar Collectors Prototypes Systems. Energy Procedia, 2015, 82, 744-751.	1.8	11
21	Efficient energy harvesting for Microbial Fuel Cell dedicated to Wireless Sensor Network. , 2015, , .		11
22	Optimal Design of Isolated Mini-Grids with Deterministic Methods: Matching Predictive Operating Strategies with Low Computational Requirements. Energies, 2020, 13, 4214.	3.1	10
23	Post-earthquake rehabilitation of the rural water systems in Kashmir's Jehlum Valley. Disasters, 2010, 34, 684-694.	2.2	7
24	A Sustainable and Resilient Housing Model for Indigenous Populations of the Mosquitia Region (Honduras). Sustainability, 2014, 6, 4931-4948.	3.2	6
25	Sustainable water treatment and chlorine production in emergency conditions in South Iraq. Desalination, 2004, 165, 123-132.	8.2	4
26	Comparison among deterministic methods to design rural mini-grids: effect of operating strategies. , 2019, , .		3
27	Sustainable Rehabilitation of Water Infrastructures in Southern Iraq After the Second Gulf War. , 2013, , 211-245.		3
28	Chlorine Self-Production Plant Solution for Effluent Water to be Used in Irrigation in Gaza Strip. , 2013, , 117-136.		3
29	Rural Electrification in Central America and East Africa, two case studies of sustainable microgrids. Iberoamerican Journal of Development Studies, 2018, 7, 82-113.	0.2	3
30	Micro Hydro in Emergency Situations: A Sustainable Energy Solution at La Realidad (Chiapas, Mexico). , 2013, , 163-179.		3
31	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
32	Ramp rate abatement for wind energy integration in microgrids. Energy Procedia, 2019, 159, 292-297.	1.8	2
33	Optimal sizing and operation of isolated microgrids for developing countries: hedging uncertainties with Monte Carlo techniques. , 2020, , .		2
34	Optimal design of off-grid power systems operated by a rolling-horizon strategy: a method to reduce computational requirements. , 2019, , .		1
35	Triple Helix as a Strategic Tool to Fast-Track Climate Change Adaptation in Rural Kenya: Case Study of Marsabit County. , 2020, , 1-23.		1
36	Exergy-Based Analysis of an Isolated Honduras Community. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Triple Helix as a Strategic Tool to Fast-Track Climate Change Adaptation in Rural Kenya: Case Study of Marsabit County. , 2021, , 1873-1895.		0
38	Mini-grid hybridization and demand side management on non-interconnected small islands: the case study of Ustica, Italy. E3S Web of Conferences, 2021, 238, 02008.	0.5	0