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Techno-economic analysis of a stand-alone microgrid for a commercial building in eight different climate zones

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#	Paper	IF	Citations
43	Experimental Comparison of Three Real-Time Optimization Strategies Applied to Renewable/FC-Based Hybrid Power Systems Based on Load-Following Control. <i>Energies</i> , 2018 , 11, 3537	3.1	9
42	Optimal design and technical analysis of a grid-connected hybrid photovoltaic/diesel/biogas under different economic conditions: A case study. <i>Energy Conversion and Management</i> , 2019 , 198, 111810	10.6	51
41	Optimal impacts of combined fuel-cell/CHP/battery and power microgrid with real-time energy management. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-24	1.6	2
40	Experimental characterisation of a novel thermal energy storage based on open-cell copper foams immersed in organic phase change material. <i>Energy Conversion and Management</i> , 2019 , 200, 112101	10.6	15
39	Energy flexibility investigation of advanced grid-responsive energy control strategies with the static battery and electric vehicles: A case study of a high-rise office building in Hong Kong. <i>Energy Conversion and Management</i> , 2019 , 199, 111888	10.6	34
38	Performance Investigation of Stand-Alone Hybrid Wind-Solar Home-Microgrids with Battery Storage System. <i>Smart Science</i> , 2019 , 7, 239-251	1.5	3
37	Techno-economic analysis of metal hydride-based energy storage system in microgrid. <i>Energy Storage</i> , 2019 , 1, e62	2.8	9
36	Energy and exergy analysis of cold and power production from the geothermal reservoir of Torre Alfina. <i>Energy</i> , 2019 , 180, 807-818	7.9	24
35	Design and analysis of fuel cell and photovoltaic based 110 V DC microgrid using hydrogen energy storage. <i>Energy Storage</i> , 2019 , 1, e60	2.8	11
34	Reliability assessments of an islanded hybrid PV-diesel-battery system for a typical rural community in Nigeria. <i>Heliyon</i> , 2019 , 5, e01632	3.6	28
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31	Economic and Environmental Policy Analysis for Emission-Neutral Multi-Carrier Microgrid Deployment. <i>Applied Energy</i> , 2020 , 277, 115609	10.7	16
30	Techno-economic comparative study of hybrid microgrids in eight climate zones of Iran. <i>Energy Science and Engineering</i> , 2020 , 8, 3004-3026	3.4	15
29	A comprehensive study of techno-economic and environmental features of different solar tracking systems for residential photovoltaic installations. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 129, 109923	16.2	28
28	Life Cycle Assessment of a stand-alone solar-based polygeneration power plant for a commercial building in different climate zones. <i>Renewable Energy</i> , 2020 , 154, 1132-1143	8.1	11
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26	The nonlinear shift to renewable microgrids: Phase transitions in electricity systems. <i>International Journal of Energy Research</i> , 2021 , 45, 3016-3030	4.5	
25	Design and Economic Evaluation of Low Voltage DC Microgrid based on Hydrogen Storage. <i>International Journal of Green Energy</i> , 2021 , 18, 66-79	3	1
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21	Techno-economic analysis of the Li-ion batteries and reversible fuel cells as energy-storage systems used in green and energy-efficient buildings. <i>Clean Energy</i> , 2021 , 5, 273-287	4.7	3
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19	Grid Independent (Renewable) Hybrid Power Sources for the Supply of Transmission Switching Substation Auxiliaries. 2021 ,		
18	A biogas-solar based hybrid off-grid power plant with multiple storages for United States commercial buildings. <i>Renewable Energy</i> , 2021 , 179, 705-722	8.1	3
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