

Adnan Darwish Ahmad

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An integrated photovoltaic/wind/biomass and hybrid energy storage systems towards 100% renewable energy microgrids in university campuses. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101273.	2.7	61
2	A Demand-Supply Matching-Based Approach for Mapping Renewable Resources Towards 100% Renewable Grids in 2050. <i>IEEE Access</i> , 2021, 9, 58634-58651.	4.2	49
3	Superposition of Renewable-Energy Supply from Multiple Sites Maximizes Demand-Matching: Towards 100% Renewable Grids in 2050. <i>Applied Energy</i> , 2021, 284, 116402.	10.1	43
4	Exploring the feasibility of green hydrogen production using excess energy from a country-scale 100% solar-wind renewable energy system. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 21613-21633.	7.1	40
5	Schlieren Visualization of Shaping Air during Operation of an Electrostatic Rotary Bell Sprayer: Impact of Shaping Air on Droplet Atomization and Transport. <i>Coatings</i> , 2018, 8, 279.	2.6	29
6	Study of Near-Cup Droplet Breakup of an Automotive Electrostatic Rotary Bell (ESRB) Atomizer Using High-Speed Shadowgraph Imaging. <i>Coatings</i> , 2018, 8, 174.	2.6	25
7	Multi-objective linear-regression-based optimization of a hybrid solar-gas turbine combined cycle with absorption inlet-air cooling unit. <i>Energy Conversion and Management</i> , 2021, 240, 114266.	9.2	21
8	Techno-economic feasibility of thermal storage systems for the transition to 100% renewable grids. <i>Renewable Energy</i> , 2022, 189, 800-812.	8.9	21
9	Power boosting of a combined cycle power plant in Jordan: An integration of hybrid inlet cooling & solar systems. <i>Energy Conversion and Management</i> , 2020, 214, 112894.	9.2	20
10	100% Renewable Energy Grid for Rural Electrification of Remote Areas: A Case Study in Jordan. <i>Energies</i> , 2020, 13, 4908.	3.1	18
11	Spatial Positioning and Operating Parameters of a Rotary Bell Sprayer: 3D Mapping of Droplet Size Distributions. <i>Fluids</i> , 2019, 4, 165.	1.7	16
12	Aggregated independent forecasters of half-hourly global horizontal irradiance. <i>Renewable Energy</i> , 2022, 181, 365-383.	8.9	12
13	A novel solar combined cycle integration: An exergy-based optimization using artificial neural network. <i>Renewable Energy</i> , 2022, 181, 914-932.	8.9	12
14	A Uniquely Finned Tube Heat Exchanger Design of a Condenser for Heavy-Duty Air Conditioning Systems. <i>International Journal of Air-Conditioning and Refrigeration</i> , 2020, 28, 2050004.	0.7	11
15	Ignition and burning mechanisms of live spruce needles. <i>Fuel</i> , 2021, 304, 121371.	6.4	8
16	Efficiency Boosting and Steam Saving for a Steam-Injected Gas Turbine Engine: Optimization Study of the Running Conditions. <i>Journal of Energy Engineering - ASCE</i> , 2021, 147, .	1.9	5
17	Assessment of integrating hybrid solar-combined cycle with thermal energy storage for shaving summer peak load and improving sustainability. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101505.	2.7	4