Introducing a hybrid photovoltaic solar, proton exchan thermoelectric device system

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Citation Report

#	Article	IF	Citations
1	Influences of different barrier films on microstructures and electrical properties of Bi2Te3-based joints. Journal of Materials Science: Materials in Electronics, 2020, 31, 14714-14729.	1.1	7
2	Performance Prediction of Proton Exchange Membrane Fuel Cells (PEMFC) Using Adaptive Neuro Inference System (ANFIS). Sustainability, 2020, 12, 4952.	1.6	31
3	Thermodynamic performance of a new hybrid system based on concentrating solar system, molten carbonate fuel cell and organic Rankine cycle with CO2 capturing analysis. Chemical Engineering Research and Design, 2021, 146, 531-551.	2.7	43
4	Numerical study on heat loss from the surface of solar collector tube filled by oil-NE-PCM/Al2O3 in the presence of the magnetic field. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2627.	2.0	11
5	Recycling fuel cell waste heat to the thermoelectric cooler for enhanced combined heat, power and water production. Energy, 2021, 223, 119922.	4.5	7
6	Numerical investigation of a new combined energy system includes parabolic dish solar collector, Stirling engine and thermoelectric device. International Journal of Energy Research, 2021, 45, 16436-16455.	2.2	181
7	Numerical evaluation of energy system based on Fresnel concentrating solar collector, Stirling engine, and thermoelectric generator with electrical energy storage. International Journal of Energy Research, 2021, 45, 19423-19438.	2.2	10
8	Performance evaluation of two proton exchange membrane and alkaline fuel cells for use in UAVs by investigating the effect of operating altitude. International Journal of Energy Research, 0, , .	2.2	14
9	Performance evaluation of a polygeneration system based on fuel cell technology and solar photovoltaic and use of waste heat. Sustainable Cities and Society, 2021, 72, 103055.	5.1	40
10	Energy generation and storing electrical energy in an energy hybrid system consisting of solar thermal collector, Stirling engine and thermoelectric generator. Sustainable Cities and Society, 2021, 75, 103357.	5.1	22
11	Optimum Design and Performance Simulation of a Multi-Device Integrated System Based on a Proton Exchange Membrane Fuel Cell. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	1.4	0
12	A combined energy system for generating electrical and thermal energies using concentrating Solar System, fuel cell and organic Rankine cycle; energy and exergy assessment. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-20.	1.2	2
13	A hybrid-electric propulsion system for an unmanned aerial vehicle based on proton exchange membrane fuel cell, battery, and electric motor. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 934-950.	1.2	17
14	Introducing and evaluation of a new propulsion system composed of solid oxide fuel cell and downstream cycles; usage in Unmanned Aerial Vehicles. International Journal of Hydrogen Energy, 2022, 47, 13693-13709.	3.8	45
15	A new coupled energy system consisting of fuel cell, solar thermal collector, and organic Rankine cycle; Generation and storing of electrical energy. Sustainable Cities and Society, 2022, 81, 103824.	5.1	33
16	Assessment and comparison of the operation of an unmanned aerial vehicleâ€™s propulsion system based on the different fuel cells. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 3294-3312.	1.2	5
17	Assessment and conceptual design of a <scp>SOFC</scp> / <scp>TIG</scp> / <scp>TEG</scp> â€based hybrid propulsion system for a small <scp>UAV</scp>. International Journal of Energy Research, 2022, 46, 13336-13355.	2.2	2
18	A hybrid system integrating photovoltaic module and thermoelectric devices for power and cooling cogeneration. Solar Energy, 2022, 239, 350-358.	2.9	15

#	Article	IF	Citations
19	Environmental and exergoeconomic assessments of a novel biomass gasification based solid oxide fuel cell and heat engine hybrid energy system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 8490-8511.	1.2	3
20	A review of water electrolysisâ€“based systems for hydrogen production using hybrid/solar/wind energy systems. Environmental Science and Pollution Research, 2022, 29, 86994-87018.	2.7	52
21	IoT-Based Monitoring System of PEMFC-Solar Cell Hybrid Prototype Power Plant. , 2022, , .		2
22	How to use renewable energy sources in polygeneration systems?. , 2024, , 11-123.		0
23	Solar-based hybrid energy systems. , 2024, , 167-191.		0
24	Control Strategy of Hybrid PV/ FC/ Battery System For A Malaysian Household Application. , 2023, , .		0