Identification of optimal operating strategy of direct air cycle based power plants

Citation Report

#	Article	IF	Citations
1	A data-driven strategy for economic analysis of peak regulation based on cyber physical system. , 2018, , .		0
2	Infinity Sensor: Temperature Sensing in GaN Power Devices using Peak di/dt. , 2018, , .		25
3	Comparative Evaluation of Integrated Waste Heat Utilization Systems for Coal-Fired Power Plants Based on In-Depth Boiler-Turbine Integration and Organic Rankine Cycle. Entropy, 2018, 20, 89.	2.2	13
4	The Application of Cyber Physical System for Thermal Power Plants: Data-Driven Modeling. Energies, 2018, 11, 690.	3.1	25
5	A Review of Evaluation, Optimization and Synthesis of Energy Systems: Methodology and Application to Thermal Power Plants. Energies, 2019, 12, 73.	3.1	31
6	Back pressure optimization of direct air-cooled condenser considering anti-freezing and low-load operation. IOP Conference Series: Materials Science and Engineering, 2019, 569, 032029.	0.6	1
7	Moisture recovery from gas-fired boiler exhaust using membrane module array. Journal of Cleaner Production, 2019, 231, 1110-1121.	9.3	41
8	Application and limits of a constant effectiveness model for predicting the pressure of steam condensers at off-design loads and cooling fluid temperatures. Applied Thermal Engineering, 2019, 158, 113779.	6.0	11
9	Analysis and comparison on condensation performance of core tubes in air-cooling condenser. International Journal of Heat and Mass Transfer, 2019, 135, 717-731.	4.8	6
10	Thermal Energy Processes in Direct Steam Generation Solar Systems: Boiling, Condensation and Energy Storage â€“ A Review. Frontiers in Energy Research, 2019, 6, .	2.3	25
11	A deep neural network coordination model for electric heating and cooling loads based on IoT data. CSEE Journal of Power and Energy Systems, 2020, , .	1.1	5
12	An Efficient Summer Operation Scheme for a Thermal Power Plant Air Cooling System based on Electric Peak Shaving. Journal of Thermal Science, 2020, 29, 393-407.	1.9	0
13	A simulation-based prediction model for coal-fired power plant condenser maintenance. Applied Thermal Engineering, 2020, 174, 115294.	6.0	14
14	Techno-economic comparison of wet and dry cooling systems for combined cycle power plants in different climatic zones. Energy Conversion and Management, 2021, 227, 113610.	9.2	5
15	Performance Prediction and Optimization of the Airâ€Cooled Condenser in a Largeâ€Scale Power Plant Using Machine Learning. Energy Technology, 2021, 9, 2100045.	3.8	5
16	Energy-Saving Strategies of Axial Flow Fans for Direct Dry Cooling System. Energies, 2021, 14, 3176.	3.1	5
17	Energy-efficient operation of a direct air-cooled condenser based on divisional regulation. International Journal of Refrigeration, 2021, 132, 233-242.	3.4	5
18	Dynamic modeling, validation and analysis of direct air-cooling condenser with integration to the coal-fired power plant for flexible operation. Energy Conversion and Management, 2021, 245, 114601.	9.2	17

#	Article	IF	Citations
19	Multiparametric optimization for reduced condenser cooling water consumption in a degraded combined cycle gas turbine power plant from a water-energy nexus perspective. Applied Energy, 2021, 304, 117764.	10.1	7
20	Optimization of cold-end system of thermal power plants based on entropy generation minimization. Frontiers in Energy, 2022, 16, 956-972.	2.3	1
21	Hybrid Modeling Based Digital Twin for Performance Optimization with Flexible Operation in the Direct Air-Cooling Power Unit. SSRN Electronic Journal, 0, , .	0.4	0
22	Stochastic modeling and availability optimization of condenser used in steam turbine power plants using GA and PSO. Quality and Reliability Engineering International, 2022, 38, 2670-2690.	2.3	14
23	Operational guide to stabilize, standardize and increase power plant efficiency. Applied Energy, 2022, 315, 118973.	10.1	2
24	Hybrid modeling-based digital twin for performance optimization with flexible operation in the direct air-cooling power unit. Energy, 2022, 254, 124492.	8.8	16
25	Multi-Model-Based Predictive Control for Divisional Regulation in the Direct Air-Cooling Condenser. Energies, 2022, 15, 4803.	3.1	0
26	Operation optimization of cold–end system of direct air–cooled units considering the effect of environmental wind. Heat Transfer, 0, , .	3.0	0
27	Performance optimization of the air-cooling system in a coal-fired power unit based on intelligent algorithms. Applied Thermal Engineering, 2023, 230, 120791.	6.0	1
28	Operation Optimization of Air Cooling System Based on Random Forest Algorithm. , 2023, , .		0