Yiping Dai

List of Publications by Year
in descending order

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Version: 2024-02-01

183 papers	8,570 citations	31949 53 h-index	49868 87 g-index
183 all docs	183 docs citations	183 times ranked	3804 citing authors

#	Article	IF	Citations
1	Parametric optimization and comparative study of organic Rankine cycle (ORC) for low grade waste heat recovery. Energy Conversion and Management, 2009, 50, 576-582.	4.4	642
2	Exergoeconomic analysis of utilizing the transcritical CO2 cycle and the ORC for a recompression supercritical CO2 cycle waste heat recovery: A comparative study. Applied Energy, 2016, 170, 193-207.	5.1	251
3	Exergy analysis, parametric analysis and optimization for a novel combined power and ejector refrigeration cycle. Applied Thermal Engineering, 2009, 29, 1983-1990.	3.0	246
4	Exergy analyses and parametric optimizations for different cogeneration power plants in cement industry. Applied Energy, 2009, 86, 941-948.	5.1	236
5	Thermodynamic analysis and optimization of an (organic Rankine cycle) ORC using low grade heat source. Energy, 2013, 49, 356-365.	4.5	221
6	Thermodynamic analysis and optimization of a solar-driven regenerative organic Rankine cycle (ORC) based on flat-plate solar collectors. Applied Thermal Engineering, 2013, 50, 816-825.	3.0	205
7	Multi-objective optimization of an organic Rankine cycle (ORC) for low grade waste heat recovery using evolutionary algorithm. Energy Conversion and Management, 2013, 71, 146-158.	4.4	203
8	Parametric optimization design for supercritical CO2 power cycle using genetic algorithm and artificial neural network. Applied Energy, 2010, 87, 1317-1324.	5.1	196
9	Multi-objective optimization of a combined cooling, heating and power system driven by solar energy. Energy Conversion and Management, 2015, 89, 289-297.	4.4	164
10	Thermodynamic analysis of a transcritical CO2 power cycle driven by solar energy with liquified natural gas as its heat sink. Applied Energy, 2012, 92, 194-203.	5.1	145
11	Parametric analysis of a hybrid power system using organic Rankine cycle to recover waste heat from proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2012, 37, 3382-3391.	3.8	144
12	Parametric analysis of a new combined cooling, heating and power system with transcritical CO2 driven by solar energy. Applied Energy, 2012, 94, 58-64.	5.1	141
13	Design and thermodynamic analysis of a hybrid energy storage system based on A-CAES (adiabatic) Tj ETQq1 1 0.784314 rgBT /Overlock application. Energy, 2014, 70, 674-684.	4.5	130
14	Off-design performance analysis of a solar-powered organic Rankine cycle. Energy Conversion and Management, 2014, 80, 150-157.	4.4	126
15	Parametric analysis and optimization for a combined power and refrigeration cycle. Applied Energy, 2008, 85, 1071-1085.	5.1	122
16	A theoretical study on a novel combined power and ejector refrigeration cycle. International Journal of Refrigeration, 2009, 32, 1186-1194.	1.8	120
17	Thermodynamic analysis of an SOFCâ€“GTâ€“ORC integrated power system with liquefied natural gas as heat sink. International Journal of Hydrogen Energy, 2013, 38, 3352-3363.	3.8	118
18	A new combined cooling, heating and power system driven by solar energy. Renewable Energy, 2009, 34, 2780-2788.	4.3	117

#	Article	IF	Citations
19	Thermodynamic analysis of a new combined cooling and power system using ammoniaâ€“water mixture. Energy Conversion and Management, 2016, 117, 335-342.	4.4	111
20	Energy efficiency analysis and off-design analysis of two different discharge modes for compressed air energy storage system using axial turbines. Renewable Energy, 2016, 85, 1164-1177.	4.3	108
21	Performance analysis of a novel energy storage system based on liquid carbon dioxide. Applied Thermal Engineering, 2015, 91, 812-823.	3.0	107
22	Thermodynamic analysis and optimization of a transcritical CO2 geothermal power generation system based on the cold energy utilization of LNG. Applied Thermal Engineering, 2014, 70, 531-540.	3.0	105
23	Thermodynamic analysis and optimization of a flash-binary geothermal power generation system. Geothermics, 2015, 55, 69-77.	1.5	104
24	Construction and preliminary test of a low-temperature regenerative Organic Rankine Cycle (ORC) using R123. Renewable Energy, 2013, 57, 216-222.	4.3	103
25	Preliminary design and off-design performance analysis of an Organic Rankine Cycle for geothermal sources. Energy Conversion and Management, 2015, 96, 175-187.	4.4	103
26	Thermo-economic analysis and comparison of a CO2 transcritical power cycle and an organic Rankine cycle. Geothermics, 2014, 50, 101-111.	1.5	102
27	Performance evaluation and accuracy enhancement of a day-ahead wind power forecasting system in China. Renewable Energy, 2012, 43, 234-241.	4.3	101
28	Thermodynamic analysis and optimization of an ammonia-water power system with LNG (liquefied) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.5	97
29	Optimum design and thermodynamic analysis of a gas turbine and ORC combined cycle with recuperators. Energy Conversion and Management, 2016, 116, 32-41.	4.4	96
30	Parametric analysis for a new combined power and ejectorâ€“absorption refrigeration cycle. Energy, 2009, 34, 1587-1593.	4.5	93
31	Thermodynamic analysis of an integrated energy system based on compressed air energy storage (CAES) system and Kalina cycle. Energy Conversion and Management, 2015, 98, 161-172.	4.4	91
32	Capacity allocation of a hybrid energy storage system for power system peak shaving at high wind power penetration level. Renewable Energy, 2015, 75, 541-549.	4.3	91
33	Thermodynamic analysis of a new combined cooling, heat and power system driven by solid oxide fuel cell based on ammoniaâ€“water mixture. Journal of Power Sources, 2011, 196, 8463-8471.	4.0	90
34	Parametric analysis and optimization of a Kalina cycle driven by solar energy. Applied Thermal Engineering, 2013, 50, 408-415.	3.0	86
35	Exergy and exergoeconomic analyses of a supercritical CO2 cycle for a cogeneration application. Energy, 2017, 119, 971-982.	4.5	86
36	Thermodynamic analysis of a Kalina-based combined cooling and power cycle driven by low-grade heat source. Applied Thermal Engineering, 2017, 111, 8-19.	3.0	86

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37	Thermodynamic analysis and optimization of a gas turbine and cascade CO 2 combined cycle. Energy Conversion and Management, 2017, 144, 193-204.	4.4	79
38	Thermo-economic comparison of Kalina and CO2 transcritical power cycle for low temperature geothermal sources in China. Applied Thermal Engineering, 2014, 70, 139-152.	3.0	77
39	Off-design performance comparison of an organic Rankine cycle under different control strategies. Applied Energy, 2015, 156, 268-279.	5.1	76
40	Vibration analysis for tooth crack detection in a spur gear system with clearance nonlinearity. International Journal of Mechanical Sciences, 2019, 157-158, 648-661.	3.6	73
41	Thermodynamic analysis of an integrated power generation system driven by solid oxide fuel cell. International Journal of Hydrogen Energy, 2012, 37, 2535-2545.	3.8	69
42	Preliminary design and off-design performance analysis of an Organic Rankine Cycle radial-inflow turbine based on mathematic method and CFD method. Applied Thermal Engineering, 2017, 112, 25-37.	3.0	66
43	A preliminary dynamic behaviors analysis of a hybrid energy storage system based on adiabatic compressed air energy storage and flywheel energy storage system for wind power application. Energy, 2015, 84, 825-839.	4.5	65
44	A comprehensive investigation on the design and off-design performance of supercritical carbon dioxide power system based on the small-scale lead-cooled fast reactor. Journal of Cleaner Production, 2020, 256, 120720.	4.6	65
45	Thermodynamic analysis of a novel liquid carbon dioxide energy storage system and comparison to a liquid air energy storage system. Journal of Cleaner Production, 2020, 242, 118437.	4.6	64
46	Study on off-design performance of transcritical CO2 power cycle for the utilization of geothermal energy. Geothermics, 2018, 71, 369-379.	1.5	62
47	Nonlinear dynamic response of a spur gear pair based on the modeling of periodic mesh stiffness and static transmission error. Applied Mathematical Modelling, 2019, 72, 444-469.	2.2	62
48	Thermo-economic analysis and optimization of a combined cooling and power (CCP) system for engine waste heat recovery. Energy Conversion and Management, 2016, 128, 303-316.	4.4	61
49	Comparative analysis on off-design performance of a gas turbine and ORC combined cycle under different operation approaches. Energy Conversion and Management, 2017, 135, 84-100.	4.4	59
50	Off-design analysis of a CO2 Rankine cycle for the recovery of LNG cold energy with ambient air as heat source. Energy Conversion and Management, 2019, 183, 116-125.	4.4	58
51	Thermo-economic analysis and comparative study of transcritical power cycles using CO2-based mixtures as working fluids. Applied Thermal Engineering, 2018, 144, 31-44.	3.0	57
52	Preliminary conceptual design and thermodynamic comparative study on vapor absorption refrigeration cycles integrated with a supercritical CO2 power cycle. Energy Conversion and Management, 2018, 161, 162-171.	4.4	56
53	Exergy analysis and optimization of a combined cooling and power system driven by geothermal energy for ice-making and hydrogen production. Energy Conversion and Management, 2018, 174, 886-896.	4.4	56
54	Thermodynamic and economic optimization of a double-pressure organic Rankine cycle driven by low-temperature heat source. Renewable Energy, 2020, 147, 2822-2832.	4.3	54

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55	Exergy analysis and optimization of a hydrogen production process by a solar-liquefied natural gas hybrid driven transcritical CO2 power cycle. International Journal of Hydrogen Energy, 2012, 37, 18731-18739.	3.8	53
56	Performance analysis of energy storage system based on liquid carbon dioxide with different configurations. Energy, 2015, 93, 1931-1942.	4.5	47
57	Multi-objective optimization design of condenser in an organic Rankine cycle for low grade waste heat recovery using evolutionary algorithm. International Communications in Heat and Mass Transfer, 2013, 45, 47-54.	2.9	46
58	Preliminary design and performance assessment of compressed supercritical carbon dioxide energy storage system. Applied Thermal Engineering, 2021, 183, 116153.	3.0	46
59	Performance assessment and optimization of a combined heat and power system based on compressed air energy storage system and humid air turbine cycle. Energy Conversion and Management, 2015, 103, 562-572.	4.4	45
60	Thermodynamic and economic analysis and multi-objective optimization of a novel transcritical CO2 Rankine cycle with an ejector driven by low grade heat source. Energy, 2018, 161, 337-351.	4.5	45
61	Comprehensive analysis and optimization of Kalina-Flash cycles for low-grade heat source. Applied Thermal Engineering, 2018, 131, 540-552.	3.0	43
62	Off-design performance analysis of Kalina cycle for low temperature geothermal source. Applied Thermal Engineering, 2016, 107, 728-737.	3.0	42
63	Construction and preliminary test of a geothermal ORC system using geothermal resource from abandoned oil wells in the Huabei oilfield of China. Energy, 2017, 140, 633-645.	4.5	42
64	Preliminary conceptual design and thermo-economic analysis of a combined cooling, heating and power system based on supercritical carbon dioxide cycle. Energy, 2020, 203, 117842.	4.5	41
65	Thermodynamic analysis of a hybrid energy system based on CAES system and CO 2 transcritical power cycle with LNG cold energy utilization. Applied Thermal Engineering, 2015, 91, 718-730.	3.0	39
66	Assessment of off-design performance of a Kalina cycle driven by low-grade heat source. Energy, 2017, 138, 459-472.	4.5	39
67	Performance analysis and optimization of a combined cooling and power system using low boiling point working fluid driven by engine waste heat. Energy Conversion and Management, 2019, 180, 962-976.	4.4	39
68	Technical feasibility assessment of a standalone photovoltaic/wind/adiabatic compressed air energy storage based hybrid energy supply system for rural mobile base station. Energy Conversion and Management, 2020, 206, 112486.	4.4	39
69	Thermoeconomic analysis of a gas turbine and cascaded CO2 combined cycle using thermal oil as an intermediate heat-transfer fluid. Energy, 2018, 162, 1253-1268.	4.5	38
70	Design and performance analysis of compressor and turbine in supercritical CO2 power cycle based on system-component coupled optimization. Energy Conversion and Management, 2020, 221, 113179.	4.4	37
71	Thermodynamic analysis of a biomass-fired Kalina cycle with regenerative heater. Energy, 2014, 77, 760-770.	4.5	36
72	Components design and performance analysis of a novel compressed carbon dioxide energy storage system: A pathway towards realizability. Energy Conversion and Management, 2021, 229, 113679.	4.4	36

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73	Nozzle passage aerodynamic design to reduce solid particle erosion of a supercritical steam turbine control stage. Wear, 2007, 262, 104-111.	1.5	35
74	Exergoeconomic Analysis and Optimization of a Supercritical CO2 Cycle Coupled with a Kalina Cycle. Journal of Energy Engineering - ASCE, 2017, 143, .	1.0	35
75	Preliminary conceptual exploration about performance improvement on supercritical CO2 power system via integrating with different absorption power generation systems. Energy Conversion and Management, 2018, 173, 219-232.	4.4	35
76	Performance analysis of a combined heat and compressed air energy storage system with packed bed unit and electrical heater. Applied Thermal Engineering, 2019, 162, 114321.	3.0	35
77	Preliminary conceptual design and performance assessment of combined heat and power systems based on the supercritical carbon dioxide power plant. Energy Conversion and Management, 2019, 199, 111939.	4.4	35
78	The survey of the combined heat and compressed air energy storage (CH-CAES) system with dual power levels turbomachinery configuration for wind power peak shaving based spectral analysis. Energy, 2021, 215, 119167.	4.5	35
79	An exergoeconomic assessment of waste heat recovery from a Gas Turbine-Modular Helium Reactor using two transcritical CO2 cycles. Energy Conversion and Management, 2016, 126, 561-572.	4.4	34
80	Thermo-economic optimization and part-load analysis of the combined supercritical CO2 and Kalina cycle. Energy Conversion and Management, 2021, 245, 114572.	4.4	34
81	Thermodynamic analysis of a low-temperature waste heat recovery system based on the concept of solar chimney. Energy Conversion and Management, 2014, 80, 78-86.	4.4	33
82	Preliminary design and part-load performance analysis of a recompression supercritical carbon dioxide cycle combined with a transcritical carbon dioxide cycle. Energy Conversion and Management, 2020, 212, 112758.	4.4	33
83	Wind speed prediction using support vector regression. , 2010, , .		31
84	Off-design performance comparative analysis between basic and parallel dual-pressure organic Rankine cycles using radial inflow turbines. Applied Thermal Engineering, 2018, 138, 18-34.	3.0	31
85	Proposal and thermodynamic assessment of a new ammonia-water based combined heating and power (CHP) system. Energy Conversion and Management, 2019, 184, 277-289.	4.4	31
86	Off-design performance analysis of a combined cooling and power system driven by low-grade heat source. Energy Conversion and Management, 2018, 159, 327-341.	4.4	30
87	Three-dimensional performance analysis of a radial-inflow turbine for an organic Rankine cycle driven by low grade heat source. Energy Conversion and Management, 2018, 169, 22-33.	4.4	29
88	Multi-objective optimization of a renewable power supply system with underwater compressed air energy storage for seawater reverse osmosis under two different operation schemes. Renewable Energy, 2022, 181, 71-90.	4.3	29
89	Thermodynamic Comparison and Optimization of Supercritical CO2 Brayton Cycles with a Bottoming Transcritical CO2 Cycle. Journal of Energy Engineering - ASCE, 2016, 142, .	1.0	28
90	Influence from the rotating speed of the windward axial fans on the performance of an air-cooled power plant. Applied Thermal Engineering, 2014, 65, 14-23.	3.0	27

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91	Off-design behavior investigation of the combined supercritical CO2 and organic Rankine cycle. Energy, 2021, 237, 121529.	4.5	25
92	Conceptual design and parametric study of combined carbon dioxide/organic Rankine cycles. Applied Thermal Engineering, 2016, 103, 759-772.	3.0	24
93	Performance evaluation of a combined heat and compressed air energy storage system integrated with ORC for scaling up storage capacity purpose. Energy, 2020, 190, 116405.	4.5	24
94	Thermodynamic analysis and comparison study of two novel combined cooling and power systems with separators using CO2-based mixture for low grade heat source recovery. Energy Conversion and Management, 2020, 215, 112918.	4.4	24
95	Off-design performance comparative analysis of a transcritical CO2 power cycle using a radial turbine by different operation methods. Energy Conversion and Management, 2018, 168, 529-544.	4.4	23
96	A study of the optimal control approach for a Kalina cycle system using a radial-inflow turbine with variable nozzles at off-design conditions. Applied Thermal Engineering, 2019, 149, 1008-1022.	3.0	23
97	Design and performance analysis of a supercritical CO2 radial inflow turbine. Applied Thermal Engineering, 2020, 167, 114757.	3.0	23
98	Comparative analysis on off-design performance of a novel parallel dual-pressure Kalina cycle for low-grade heat utilization. Energy Conversion and Management, 2021, 234, 113912.	4.4	23
99	Aerodynamic design and multi-dimensional performance optimization of supercritical CO2 centrifugal compressor. Energy Conversion and Management, 2021, 248, 114810.	4.4	23
100	The feasibility survey of an autonomous renewable seawater reverse osmosis system with underwater compressed air energy storage. Desalination, 2021, 505, 114981.	4.0	21
101	Parametric analysis and optimization of a building cooling heating power system driven by solar energy based on organic working fluid. International Journal of Energy Research, 2013, 37, 1465-1474.	2.2	20
102	Thermodynamic and economic comparison of novel parallel and serial combined cooling and power systems based on sCO2 cycle. Energy, 2021, 215, 119008.	4.5	20
103	A New Linear Model of Fossil Fired Steam Unit for Power System Dynamic Analysis. IEEE Transactions on Power Systems, 2011, 26, 2390-2397.	4.6	19
104	Influence from the blade installation angle of the windward axial fans on the performance of an air-cooled power plant. Energy, 2013, 60, 416-425.	4.5	19
105	Dynamic optimal design of a power generation system utilizing industrial waste heat considering parameter fluctuations of exhaust gas. Energy, 2012, 44, 1035-1043.	4.5	18
106	Mechanism of the air temperature rise at the forced draught fan inlets in an air-cooled steam condenser. Applied Thermal Engineering, 2014, 71, 355-363.	3.0	18
107	Experimental Evaluation of the Regenerative and Basic Organic Rankine Cycles for Low-Grade Heat Source Utilization. Journal of Energy Engineering - ASCE, 2013, 139, 190-197.	1.0	17
108	Thermo-Economic Analysis of Waste Heat Recovery ORC Using Zeotropic Mixtures. Journal of Energy Engineering - ASCE, 2015, 141, .	1.0	17

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109	Off-design performance analysis of a power-cooling cogeneration system combining a Kalina cycle with an ejector refrigeration cycle. Energy, 2018, 161, 233-250.	4.5	17
110	Thermodynamic Optimization of a Double-pressure Organic Rankine Cycle Driven by Geothermal Heat Source. Energy Procedia, 2017, 129, 591-598.	1.8	16
111	Comparison of a Basic Organic Rankine Cycle and a Parallel Double-Evaporator Organic Rankine Cycle. Heat Transfer Engineering, 2017, 38, 990-999.	1.2	16
112	Multi-objective optimization of an innovative power-cooling integrated system based on gas turbine cycle with compressor inlet air precooling, Kalina cycle and ejector refrigeration cycle. Energy Conversion and Management, 2021, 244, 114473.	4.4	16
113	Research on the Primary Frequency Control Characteristics of Generators in Power System. , 2007, , .		15
114	Exergy loss characteristics of a recuperated gas turbine and Kalina combined cycle system using different inlet guide vanes regulation approaches. Energy Conversion and Management, 2021, 230, 113805.	4.4	15
115	Thermodynamic Comparison of Gas Turbine and ORC Combined Cycle with Pure and Mixture Working Fluids. Journal of Energy Engineering - ASCE, 2019, 145, .	1.0	13
116	Dynamic analysis of nonlinear time-varying spur gear system subjected to multi-frequency excitation. JVC/Journal of Vibration and Control, 2019, 25, 1210-1226.	1.5	12
117	Research on the Influence of Primary Frequency Control Distribution on Power System Security and Stability. , 2007, , .		11
118	Thermo-Economic Analysis of a Recompression Supercritical CO2 Cycle Combined With a Transcritical CO2 Cycle. , 2015, , .		11
119	Preliminary design and CFD analysis of a radial inflow turbine and the turbine seal for an organic Rankine cycle using zeotropic mixture. Energy Conversion and Management, 2020, 209, 112647.	4.4	11
120	Comparative analysis on design and off-design performance of novel cascade CO2 combined cycles for gas turbine waste heat utilization. Energy, 2022, 254, 124222.	4.5	11
121	A general method to predict unbalance responses of geared rotor systems. Journal of Sound and Vibration, 2016, 381, 246-263.	2.1	10
122	Neuro-fuzzy networks for short-term wind power forecasting. , 2010, , .		9
123	Off-design performance analysis of a transcritical CO₂ Rankine cycle with LNG as cold source. International Journal of Green Energy, 2017, 14, 774-783.	2.1	9
124	Dynamic performance of an organic Rankine cycle system with a dynamic turbine model: A comparison study. Applied Thermal Engineering, 2020, 181, 115940.	3.0	9
125	Impact of Overspeed Protection Control on Stability for Islanded Power System. International Journal of Emerging Electric Power Systems, 2009, 10, .	0.6	8
126	Simulation of the airborne radioactive substance distribution and monitoring of coolant leakage in a typical Nuclear Reactor Containment. Annals of Nuclear Energy, 2016, 87, 462-470.	0.9	8

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127	Performance comparison of different combined heat and compressed air energy storage systems integrated with organic Rankine cycle. International Journal of Energy Research, 2019, 43, 8410.	2.2	8
128	Nonlinear vibration characteristics of spur gear system subjected to multiple harmonic excitations. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 6026-6050.	1.1	8
129	Thermodynamic and Exergoeconomic Analysis of a Supercritical CO2 Cycle Integrated with a LiBr-H2O Absorption Heat Pump for Combined Heat and Power Generation. Applied Sciences (Switzerland), 2020, 10, 323.	1.3	8
130	Design and Simulation Analysis of a Small-Scale Compressed Air Energy Storage System Directly Driven by Vertical Axis Wind Turbine for Isolated Areas. Journal of Energy Engineering - ASCE, 2015, 141, .	1.0	7
131	Experimental Study and Numerical Simulation of a Regenerative ORC Utilizing Low-Grade Heat Source. Journal of Energy Engineering - ASCE, 2015, 141, 04014011.	1.0	7
132	Thermoeconomic Analysis and Multi-Objective Optimization of a Combined Cooling and Power System Using Ammonia-Water Mixture: Case Study. Journal of Energy Engineering - ASCE, 2018, 144, .	1.0	7
133	Preliminary Analysis of Direct and Indirect Heat Rejection Systems for a Small sCO2 Brayton Cycle Using an Existing Natural Draft Dry Cooling Tower. Journal of Energy Engineering - ASCE, 2018, 144, 04018005.	1.0	7
134	Novel operation strategy for a gas turbine and high-temperature KCS combined cycle. Energy Conversion and Management, 2020, 217, 113000.	4.4	7
135	Comparison of control strategies and dynamic behaviour analysis of a Kalina cycle driven by a low-grade heat source. Energy, 2022, 242, 122958.	4.5	7
136	Primary Frequency Control Characteristic of a Grid. , 2008, , .		6
137	A new framework for power system identification based on an improved genetic algorithm. , 2009, , .		6
138	Thermodynamic comparison among double-flash flash-Kalina and flash-ORC geothermal power plants. International Journal of Thermodynamics, 2016, 19, 53.	0.4	6
139	Thermodynamic, Economic Analysis, and Multiobjective Optimization of a Novel Transcritical CO2 Rankine Cycle with a Vortex Tube. Journal of Energy Engineering - ASCE, 2022, 148, .	1.0	6
140	Rotordynamic Stability Under Partial Admission Conditions in a Large Power Steam Turbine. , 2009, , .		5
141	Modeling of combined cycle power plant based on a genetic algorithm parameter identification method. , 2010, , .		5
142	Analysis of power system frequency responses with hydro turbines incorporating load shedding. , 2010, , .		5
143	Preliminary System Design and Off-Design Analysis for a Gas Turbine and ORC Combined Cycle. Journal of Energy Engineering - ASCE, 2017, 143, 04017040.	1.0	5
144	Near constant discharge performance analysis of a dual accumulator configuration quasi-isothermal compressed gas energy storage based on condensable gas. Journal of Energy Storage, 2020, 32, 101945.	3.9	5

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145	Transient behavior investigation of a regenerative dual-evaporator organic Rankine cycle with different forms of disturbances: Towards coordinated feedback control realization. Energy, 2021, 235, 121437.	4.5	5
146	Parameter Identification of Hydro Generation System with Fluid Transients Based on Improved Genetic Algorithm. , 2009, , .		4
147	Operation and Simulation of Hybrid Wind and Gas Turbine Power System Employing Wind Power Forecasting. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	4
148	Performance Evaluation of a Turbine Used in a Regenerative Organic Rankine Cycle. , 2012, , .		4
149	Influence mechanism on flow and heat transfer characteristics for air-cooled steam condenser cells. Heat and Mass Transfer, 2012, 48, 1663-1674.	1.2	4
150	Capacity limitation of nuclear units in grid based on analysis of frequency regulation. Frontiers in Energy, 2012, 6, 148-154.	1.2	4
151	Study of the Speed Control System of a Heavy-Duty Gas Turbine. , 2015, , .		4
152	Thermal design and CFD analysis of the radial inflow turbine for a CO ₂ â€based mixture transcritical Rankine cycle. International Journal of Energy Research, 2020, 44, 7938-7956.	2.2	4
153	Off-Design Analysis of a Supercritical CO2 Brayton Cycle with Ambient Air as the Cold Source Driven by Waste Heat from Gas Turbine. Heat Transfer Engineering, 2021, 42, 1321-1331.	1.2	4
154	The influence of the over-speed protection control for the isolated grid stability. , 2010, , .		3
155	Research on system modeling and control of turbine-driven centrifugal compressor. , 2011, , .		3
156	Participation of variable speed wind turbines in primary frequency control. , 2012, , .		3
157	Thermodynamic Analysis and Comparison Study of an Organic Rankine Cycle (ORC) and a Kalina Cycle for Waste Heat Recovery of Compressor Intercooling. , 2014, , .		3
158	Dynamic behaviors of helical geared multishaft rotor systems by modal synthesis. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 1410-1426.	1.1	3
159	Thermoeconomic analysis and optimization of a reverse osmosis desalination system driven by ocean thermal energy and solar energy. , 0, 77, 194-205.		3
160	Rotor Dynamic Analysis on Partial Admission Control Stage in a Large Power Steam Turbine. , 2010, , .		2
161	A new non-linear model of steam turbine unit for dynamic analysis of power system. , 2010, , .		2
162	Modeling large modern fossil-fueled steam-electric power plant and its coordinated control system for power system dynamic analysis. , 2010, , .		2

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163	Simulation and optimization of load shedding scheme for islanded power system. , 2010, , .		2
164	Analysis of effects on primary frequency control and power grid stability of different control logic. , 2010, , .		2
165	Operation and Simulation of Hybrid Wind and Gas Turbine Power System Employing Wind Power Forecasting. , 2012, , .		2
166	Theoretical Study of a Building Cooling Heating Power (BCHP) System Driven by Solar Energy Based on Organic Working Fluid. , 2013, , .		2
167	Off-Design Performance Comparative Analysis Between Dual-Pressure Organic Rankine Cycles Using Pure and Mixture Working Fluids. , 2018, , .		2
168	Modeling and control system design of a marine electric power generating system. , 2011, , .		1
169	Dynamic Analysis of a Wind Energy Storage System in Remote Offshore Areas. , 2011, , .		1
170	Numerical Investigation and Performance Optimization of an Air-Cooled Steam Condenser Cell Under Ambient Conditions. , 2011, , .		1
171	Modeling and Simulation of Micro-Grid System Coupled With Small Wind Turbine. , 2013, , .		1
172	Parameter identification of interconnected power system frequency after trip-out of high voltage transmission line. Frontiers in Energy, 2014, 8, 386-393.	1.2	1
173	Machine Learningâ€“Based Fault Detection and Diagnosis of Organic Rankine Cycle System for Waste-Heat Recovery. Journal of Energy Engineering - ASCE, 2021, 147, .	1.0	1
174	Performance Improvement of a Solar-Powered Recompression Supercritical Carbon Dioxide Cycle by Introducing an Ammonia-Water Cooling-Power System. Frontiers in Energy Research, 2022, 9, .	1.2	1
175	Parametric Analysis of a New CCHP System Utilizing Liquefied Natural Gas (LNG). , 2010, , .		0
176	Modeling and Control System Design of a Marine Condensing System. , 2011, , .		0
177	Numerical Investigation of Hot Air Recirculation in an Air-Cooled Steam Condenser Under Ambient Conditions. , 2011, , .		0
178	Generating unit and control system model for stability analysis of power system. , 2011, , .		0
179	Investigation of the Combination of Bypass System and OPC Logic for ORC System Stability Under Load Reduction Disturbance. , 2014, , .		0
180	Numerical Simulation Study on Characteristics of Vertical Gravity Separator in a Kalina Cycle System. , 2015, , .		0

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181	Optimum Control Strategy for a Low-Temperature Solar Kalina Cycle Power Generation Under Off-Design Conditions. , 2017, , .		0
182	Thermodynamic Analysis of a Novel Ammonia-Water Cogeneration System for Maritime Diesel Engines. , 2020, , .		0
183	Performance enhancement comparison of a gas turbine combined cycle system by introducing a refrigeration cycle using environment-friendly refrigerants to recover waste heat. The Proceedings of the International Conference on Power Engineering (ICOPE), 2021, 2021.15, 2021-0280.	0.0	0