

# Yiping Dai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2942994/publications.pdf>

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	Multi-objective optimization of a renewable power supply system with underwater compressed air energy storage for seawater reverse osmosis under two different operation schemes. <i>Renewable Energy</i> , 2022, 181, 71-90.	4.3	29
2	Thermodynamic, Economic Analysis, and Multiobjective Optimization of a Novel Transcritical CO <sub>2</sub> Rankine Cycle with a Vortex Tube. <i>Journal of Energy Engineering - ASCE</i> , 2022, 148, .	1.0	6
3	Comparison of control strategies and dynamic behaviour analysis of a Kalina cycle driven by a low-grade heat source. <i>Energy</i> , 2022, 242, 122958.	4.5	7
4	Performance Improvement of a Solar-Powered Recompression Supercritical Carbon Dioxide Cycle by Introducing an Ammonia-Water Cooling-Power System. <i>Frontiers in Energy Research</i> , 2022, 9, .	1.2	1
5	Comparative analysis on design and off-design performance of novel cascade CO <sub>2</sub> combined cycles for gas turbine waste heat utilization. <i>Energy</i> , 2022, 254, 124222.	4.5	11
6	Off-Design Analysis of a Supercritical CO <sub>2</sub> Brayton Cycle with Ambient Air as the Cold Source Driven by Waste Heat from Gas Turbine. <i>Heat Transfer Engineering</i> , 2021, 42, 1321-1331.	1.2	4
7	Thermodynamic and economic comparison of novel parallel and serial combined cooling and power systems based on sCO <sub>2</sub> cycle. <i>Energy</i> , 2021, 215, 119008.	4.5	20
8	Preliminary design and performance assessment of compressed supercritical carbon dioxide energy storage system. <i>Applied Thermal Engineering</i> , 2021, 183, 116153.	3.0	46
9	Components design and performance analysis of a novel compressed carbon dioxide energy storage system: A pathway towards realizability. <i>Energy Conversion and Management</i> , 2021, 229, 113679.	4.4	36
10	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. <i>Energy</i> , 2021, 215, 119167.	4.5	35
11	Exergy loss characteristics of a recuperated gas turbine and Kalina combined cycle system using different inlet guide vanes regulation approaches. <i>Energy Conversion and Management</i> , 2021, 230, 113805.	4.4	15
12	Comparative analysis on off-design performance of a novel parallel dual-pressure Kalina cycle for low-grade heat utilization. <i>Energy Conversion and Management</i> , 2021, 234, 113912.	4.4	23
13	The feasibility survey of an autonomous renewable seawater reverse osmosis system with underwater compressed air energy storage. <i>Desalination</i> , 2021, 505, 114981.	4.0	21
14	Machine Learning-Based Fault Detection and Diagnosis of Organic Rankine Cycle System for Waste-Heat Recovery. <i>Journal of Energy Engineering - ASCE</i> , 2021, 147, .	1.0	1
15	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. <i>Energy Conversion and Management</i> , 2021, 244, 114473.	4.4	16
16	Thermo-economic optimization and part-load analysis of the combined supercritical CO <sub>2</sub> and Kalina cycle. <i>Energy Conversion and Management</i> , 2021, 245, 114572.	4.4	34
17	Transient behavior investigation of a regenerative dual-evaporator organic Rankine cycle with different forms of disturbances: Towards coordinated feedback control realization. <i>Energy</i> , 2021, 235, 121437.	4.5	5
18	Off-design behavior investigation of the combined supercritical CO <sub>2</sub> and organic Rankine cycle. <i>Energy</i> , 2021, 237, 121529.	4.5	25

#	ARTICLE	IF	CITATIONS
19	Aerodynamic design and multi-dimensional performance optimization of supercritical CO <sub>2</sub> centrifugal compressor. <i>Energy Conversion and Management</i> , 2021, 248, 114810.	4.4	23
20	Performance enhancement comparison of a gas turbine combined cycle system by introducing a refrigeration cycle using environment-friendly refrigerants to recover waste heat. <i>The Proceedings of the International Conference on Power Engineering (ICOPE)</i> , 2021, 2021.15, 2021-0280.	0.0	0
21	Thermodynamic and economic optimization of a double-pressure organic Rankine cycle driven by low-temperature heat source. <i>Renewable Energy</i> , 2020, 147, 2822-2832.	4.3	54
22	Thermodynamic analysis of a novel liquid carbon dioxide energy storage system and comparison to a liquid air energy storage system. <i>Journal of Cleaner Production</i> , 2020, 242, 118437.	4.6	64
23	Performance evaluation of a combined heat and compressed air energy storage system integrated with ORC for scaling up storage capacity purpose. <i>Energy</i> , 2020, 190, 116405.	4.5	24
24	Thermal design and CFD analysis of the radial inflow turbine for a CO <sub>2</sub> -based mixture transcritical Rankine cycle. <i>International Journal of Energy Research</i> , 2020, 44, 7938-7956.	2.2	4
25	Design and performance analysis of a supercritical CO <sub>2</sub> radial inflow turbine. <i>Applied Thermal Engineering</i> , 2020, 167, 114757.	3.0	23
26	Design and performance analysis of compressor and turbine in supercritical CO <sub>2</sub> power cycle based on system-component coupled optimization. <i>Energy Conversion and Management</i> , 2020, 221, 113179.	4.4	37
27	Dynamic performance of an organic Rankine cycle system with a dynamic turbine model: A comparison study. <i>Applied Thermal Engineering</i> , 2020, 181, 115940.	3.0	9
28	Near constant discharge performance analysis of a dual accumulator configuration quasi-isothermal compressed gas energy storage based on condensable gas. <i>Journal of Energy Storage</i> , 2020, 32, 101945.	3.9	5
29	Thermodynamic analysis and comparison study of two novel combined cooling and power systems with separators using CO <sub>2</sub> -based mixture for low grade heat source recovery. <i>Energy Conversion and Management</i> , 2020, 215, 112918.	4.4	24
30	Preliminary conceptual design and thermo-economic analysis of a combined cooling, heating and power system based on supercritical carbon dioxide cycle. <i>Energy</i> , 2020, 203, 117842.	4.5	41
31	Novel operation strategy for a gas turbine and high-temperature KCS combined cycle. <i>Energy Conversion and Management</i> , 2020, 217, 113000.	4.4	7
32	Preliminary design and CFD analysis of a radial inflow turbine and the turbine seal for an organic Rankine cycle using zeotropic mixture. <i>Energy Conversion and Management</i> , 2020, 209, 112647.	4.4	11
33	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. <i>Journal of Cleaner Production</i> , 2020, 256, 120720.	4.6	65
34	Technical feasibility assessment of a standalone photovoltaic/wind/adiabatic compressed air energy storage based hybrid energy supply system for rural mobile base station. <i>Energy Conversion and Management</i> , 2020, 206, 112486.	4.4	39
35	Preliminary design and part-load performance analysis of a recompression supercritical carbon dioxide cycle combined with a transcritical carbon dioxide cycle. <i>Energy Conversion and Management</i> , 2020, 212, 112758.	4.4	33
36	Thermodynamic and Exergoeconomic Analysis of a Supercritical CO <sub>2</sub> Cycle Integrated with a LiBr-H <sub>2</sub> O Absorption Heat Pump for Combined Heat and Power Generation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 323.	1.3	8

#	ARTICLE	IF	CITATIONS
37	Thermodynamic Analysis of a Novel Ammonia-Water Cogeneration System for Maritime Diesel Engines. , 2020, , .		0
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Comprehensive analysis and optimization of Kalina-Flash cycles for low-grade heat source. Applied Thermal Engineering, 2018, 131, 540-552.	3.0	43
56	Study on off-design performance of transcritical CO <sub>2</sub> power cycle for the utilization of geothermal energy. Geothermics, 2018, 71, 369-379.	1.5	62
57	Off-Design Performance Comparative Analysis Between Dual-Pressure Organic Rankine Cycles Using Pure and Mixture Working Fluids. , 2018, , .		2
58	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
59	Off-design performance comparative analysis of a transcritical CO <sub>2</sub> power cycle using a radial turbine by different operation methods. Energy Conversion and Management, 2018, 168, 529-544.	4.4	23
60	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
61	Thermodynamic and economic analysis and multi-objective optimization of a novel transcritical CO <sub>2</sub> Rankine cycle with an ejector driven by low grade heat source. Energy, 2018, 161, 337-351.	4.5	45
62	Preliminary conceptual exploration about performance improvement on supercritical CO <sub>2</sub> power system via integrating with different absorption power generation systems. Energy Conversion and Management, 2018, 173, 219-232.	4.4	35
63	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
64	Thermoeconomic analysis of a gas turbine and cascaded CO <sub>2</sub> combined cycle using thermal oil as an intermediate heat-transfer fluid. Energy, 2018, 162, 1253-1268.	4.5	38
65	Thermo-economic analysis and comparative study of transcritical power cycles using CO <sub>2</sub> -based mixtures as working fluids. Applied Thermal Engineering, 2018, 144, 31-44.	3.0	57
66	Thermodynamic analysis and optimization of a gas turbine and cascade CO <sub>2</sub> combined cycle. Energy Conversion and Management, 2017, 144, 193-204.	4.4	79
67	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
68	Off-design performance analysis of a transcritical CO <sub>2</sub> Rankine cycle with LNG as cold source. International Journal of Green Energy, 2017, 14, 774-783.	2.1	9
69	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
70	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
71	Thermodynamic Optimization of a Double-pressure Organic Rankine Cycle Driven by Geothermal Heat Source. Energy Procedia, 2017, 129, 591-598.	1.8	16
72	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

#	ARTICLE	IF	CITATIONS
73	Assessment of off-design performance of a Kalina cycle driven by low-grade heat source. <i>Energy</i> , 2017, 138, 459-472.	4.5	39
74	Preliminary design and off-design performance analysis of an Organic Rankine Cycle radial-inflow turbine based on mathematic method and CFD method. <i>Applied Thermal Engineering</i> , 2017, 112, 25-37.	3.0	66
75	Comparison of a Basic Organic Rankine Cycle and a Parallel Double-Evaporator Organic Rankine Cycle. <i>Heat Transfer Engineering</i> , 2017, 38, 990-999.	1.2	16
76	Exergoeconomic Analysis and Optimization of a Supercritical CO <sub>2</sub> Cycle Coupled with a Kalina Cycle. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, .	1.0	35
77	Exergy and exergoeconomic analyses of a supercritical CO <sub>2</sub> cycle for a cogeneration application. <i>Energy</i> , 2017, 119, 971-982.	4.5	86
78	Thermodynamic analysis of a Kalina-based combined cooling and power cycle driven by low-grade heat source. <i>Applied Thermal Engineering</i> , 2017, 111, 8-19.	3.0	86
79	Optimum Control Strategy for a Low-Temperature Solar Kalina Cycle Power Generation Under Off-Design Conditions. , 2017, , .		0
80	Off-design performance analysis of Kalina cycle for low temperature geothermal source. <i>Applied Thermal Engineering</i> , 2016, 107, 728-737.	3.0	42
81	Exergoeconomic analysis of utilizing the transcritical CO <sub>2</sub> cycle and the ORC for a recompression supercritical CO <sub>2</sub> cycle waste heat recovery: A comparative study. <i>Applied Energy</i> , 2016, 170, 193-207.	5.1	251
82	Conceptual design and parametric study of combined carbon dioxide/organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2016, 103, 759-772.	3.0	24
83	Thermo-economic analysis and optimization of a combined cooling and power (CCP) system for engine waste heat recovery. <i>Energy Conversion and Management</i> , 2016, 128, 303-316.	4.4	61
84	An exergoeconomic assessment of waste heat recovery from a Gas Turbine-Modular Helium Reactor using two transcritical CO <sub>2</sub> cycles. <i>Energy Conversion and Management</i> , 2016, 126, 561-572.	4.4	34
85	A general method to predict unbalance responses of geared rotor systems. <i>Journal of Sound and Vibration</i> , 2016, 381, 246-263.	2.1	10
86	Simulation of the airborne radioactive substance distribution and monitoring of coolant leakage in a typical Nuclear Reactor Containment. <i>Annals of Nuclear Energy</i> , 2016, 87, 462-470.	0.9	8
87	Thermodynamic analysis of a new combined cooling and power system using ammonia-water mixture. <i>Energy Conversion and Management</i> , 2016, 117, 335-342.	4.4	111
88	Optimum design and thermodynamic analysis of a gas turbine and ORC combined cycle with recuperators. <i>Energy Conversion and Management</i> , 2016, 116, 32-41.	4.4	96
89	Energy efficiency analysis and off-design analysis of two different discharge modes for compressed air energy storage system using axial turbines. <i>Renewable Energy</i> , 2016, 85, 1164-1177.	4.3	108
90	Thermodynamic Comparison and Optimization of Supercritical CO <sub>2</sub> Brayton Cycles with a Bottoming Transcritical CO <sub>2</sub> Cycle. <i>Journal of Energy Engineering - ASCE</i> , 2016, 142, .	1.0	28

#	ARTICLE	IF	CITATIONS
91	Thermodynamic comparison among double-flash flash-Kalina and flash-ORC geothermal power plants. International Journal of Thermodynamics, 2016, 19, 53.	0.4	6
92	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
93	Thermo-Economic Analysis of a Recompression Supercritical CO2 Cycle Combined With a Transcritical CO2 Cycle. , 2015, , .		11
94	Numerical Simulation Study on Characteristics of Vertical Gravity Separator in a Kalina Cycle System. , 2015, , .		0
95	Study of the Speed Control System of a Heavy-Duty Gas Turbine. , 2015, , .		4
96	Thermodynamic analysis and optimization of a flash-binary geothermal power generation system. Geothermics, 2015, 55, 69-77.	1.5	104
97	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
98	Off-design performance comparison of an organic Rankine cycle under different control strategies. Applied Energy, 2015, 156, 268-279.	5.1	76
99	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
100	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
101	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
102	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
103	Performance analysis of a novel energy storage system based on liquid carbon dioxide. Applied Thermal Engineering, 2015, 91, 812-823.	3.0	107
104	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
105	Performance analysis of energy storage system based on liquid carbon dioxide with different configurations. Energy, 2015, 93, 1931-1942.	4.5	47
106	Thermo-Economic Analysis of Waste Heat Recovery ORC Using Zeotropic Mixtures. Journal of Energy Engineering - ASCE, 2015, 141, .	1.0	17
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	Thermodynamic Analysis and Comparison Study of an Organic Rankine Cycle (ORC) and a Kalina Cycle for Waste Heat Recovery of Compressor Intercooling. , 2014, , .		3
110	Investigation of the Combination of Bypass System and OPC Logic for ORC System Stability Under Load Reduction Disturbance. , 2014, , .		0
111	Design and thermodynamic analysis of a hybrid energy storage system based on A-CAES (adiabatic) Tj ETQq1 1 0.784314 rgBT /Overl application. Energy, 2014, 70, 674-684.	4.5	130
112	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
113	Thermo-economic analysis and comparison of a CO2 transcritical power cycle and an organic Rankine cycle. Geothermics, 2014, 50, 101-111.	1.5	102
114	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
115	Off-design performance analysis of a solar-powered organic Rankine cycle. Energy Conversion and Management, 2014, 80, 150-157.	4.4	126
116	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
117	Thermodynamic analysis of a biomass-fired Kalina cycle with regenerative heater. Energy, 2014, 77, 760-770.	4.5	36
118	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
119	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
120	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
121	Construction and preliminary test of a low-temperature regenerative Organic Rankine Cycle (ORC) using R123. Renewable Energy, 2013, 57, 216-222.	4.3	103
122	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
123	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
124	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
125	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
126	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



#	ARTICLE	IF	CITATIONS
127	Thermodynamic analysis and optimization of an (organic Rankine cycle) ORC using low grade heat source. <i>Energy</i> , 2013, 49, 356-365.	4.5	221
128	Thermodynamic analysis and optimization of a solar-driven regenerative organic Rankine cycle (ORC) based on flat-plate solar collectors. <i>Applied Thermal Engineering</i> , 2013, 50, 816-825.	3.0	205
129	Parametric analysis and optimization of a Kalina cycle driven by solar energy. <i>Applied Thermal Engineering</i> , 2013, 50, 408-415.	3.0	86
130	Parametric analysis and optimization of a building cooling heating power system driven by solar energy based on organic working fluid. <i>International Journal of Energy Research</i> , 2013, 37, 1465-1474.	2.2	20
131	Theoretical Study of a Building Cooling Heating Power (BCHP) System Driven by Solar Energy Based on Organic Working Fluid. , 2013, , .		2
132	Modeling and Simulation of Micro-Grid System Coupled With Small Wind Turbine. , 2013, , .		1
133	Experimental Evaluation of the Regenerative and Basic Organic Rankine Cycles for Low-Grade Heat Source Utilization. <i>Journal of Energy Engineering - ASCE</i> , 2013, 139, 190-197.	1.0	17
134	Operation and Simulation of Hybrid Wind and Gas Turbine Power System Employing Wind Power Forecasting. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012, 134, .	0.5	4
135	Operation and Simulation of Hybrid Wind and Gas Turbine Power System Employing Wind Power Forecasting. , 2012, , .		2
136	Performance Evaluation of a Turbine Used in a Regenerative Organic Rankine Cycle. , 2012, , .		4
137	Influence mechanism on flow and heat transfer characteristics for air-cooled steam condenser cells. <i>Heat and Mass Transfer</i> , 2012, 48, 1663-1674.	1.2	4
138	Participation of variable speed wind turbines in primary frequency control. , 2012, , .		3
139	Exergy analysis and optimization of a hydrogen production process by a solar-liquefied natural gas hybrid driven transcritical CO <sub>2</sub> power cycle. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18731-18739.	3.8	53
140	Dynamic optimal design of a power generation system utilizing industrial waste heat considering parameter fluctuations of exhaust gas. <i>Energy</i> , 2012, 44, 1035-1043.	4.5	18
141	Capacity limitation of nuclear units in grid based on analysis of frequency regulation. <i>Frontiers in Energy</i> , 2012, 6, 148-154.	1.2	4
142	Thermodynamic analysis of an integrated power generation system driven by solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2535-2545.	3.8	69
143	Parametric analysis of a hybrid power system using organic Rankine cycle to recover waste heat from proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 3382-3391.	3.8	144
144	Thermodynamic analysis of a transcritical CO <sub>2</sub> power cycle driven by solar energy with liquified natural gas as its heat sink. <i>Applied Energy</i> , 2012, 92, 194-203.	5.1	145

#	ARTICLE	IF	CITATIONS
145	Parametric analysis of a new combined cooling, heating and power system with transcritical CO <sub>2</sub> driven by solar energy. <i>Applied Energy</i> , 2012, 94, 58-64.	5.1	141
146	Performance evaluation and accuracy enhancement of a day-ahead wind power forecasting system in China. <i>Renewable Energy</i> , 2012, 43, 234-241.	4.3	101
147	Research on system modeling and control of turbine-driven centrifugal compressor. , 2011, , .		3
148	Modeling and control system design of a marine electric power generating system. , 2011, , .		1
149	A New Linear Model of Fossil Fired Steam Unit for Power System Dynamic Analysis. <i>IEEE Transactions on Power Systems</i> , 2011, 26, 2390-2397.	4.6	19
150	Modeling and Control System Design of a Marine Condensing System. , 2011, , .		0
151	Numerical Investigation of Hot Air Recirculation in an Air-Cooled Steam Condenser Under Ambient Conditions. , 2011, , .		0
152	Dynamic Analysis of a Wind Energy Storage System in Remote Offshore Areas. , 2011, , .		1
153	Thermodynamic analysis of a new combined cooling, heat and power system driven by solid oxide fuel cell based on ammonia-water mixture. <i>Journal of Power Sources</i> , 2011, 196, 8463-8471.	4.0	90
154	Generating unit and control system model for stability analysis of power system. , 2011, , .		0
155	Numerical Investigation and Performance Optimization of an Air-Cooled Steam Condenser Cell Under Ambient Conditions. , 2011, , .		1
156	Parametric Analysis of a New CCHP System Utilizing Liquefied Natural Gas (LNG). , 2010, , .		0
157	Rotor Dynamic Analysis on Partial Admission Control Stage in a Large Power Steam Turbine. , 2010, , .		2
158	Parametric optimization design for supercritical CO <sub>2</sub> power cycle using genetic algorithm and artificial neural network. <i>Applied Energy</i> , 2010, 87, 1317-1324.	5.1	196
159	Modeling of combined cycle power plant based on a genetic algorithm parameter identification method. , 2010, , .		5
160	The influence of the over-speed protection control for the isolated grid stability. , 2010, , .		3
161	Analysis of power system frequency responses with hydro turbines incorporating load shedding. , 2010, , .		5
162	Neuro-fuzzy networks for short-term wind power forecasting. , 2010, , .		9

#	ARTICLE	IF	CITATIONS
163	A new non-linear model of steam turbine unit for dynamic analysis of power system. , 2010, , .		2
164	Modeling large modern fossil-fueled steam-electric power plant and its coordinated control system for power system dynamic analysis. , 2010, , .		2
165	Simulation and optimization of load shedding scheme for islanded power system. , 2010, , .		2
166	Analysis of effects on primary frequency control and power grid stability of different control logic. , 2010, , .		2
167	Wind speed prediction using support vector regression. , 2010, , .		31
168	A new framework for power system identification based on an improved genetic algorithm. , 2009, , .		6
169	Parameter Identification of Hydro Generation System with Fluid Transients Based on Improved Genetic Algorithm. , 2009, , .		4
170	Impact of Overspeed Protection Control on Stability for Islanded Power System. International Journal of Emerging Electric Power Systems, 2009, 10, .	0.6	8
171	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
172	A theoretical study on a novel combined power and ejector refrigeration cycle. International Journal of Refrigeration, 2009, 32, 1186-1194.	1.8	120
173	A new combined cooling, heating and power system driven by solar energy. Renewable Energy, 2009, 34, 2780-2788.	4.3	117
174	Exergy analyses and parametric optimizations for different cogeneration power plants in cement industry. Applied Energy, 2009, 86, 941-948.	5.1	236
175	Parametric analysis for a new combined power and ejectorâ€“absorption refrigeration cycle. Energy, 2009, 34, 1587-1593.	4.5	93
176	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
177	Rotordynamic Stability Under Partial Admission Conditions in a Large Power Steam Turbine. , 2009, , .		5
178	Parametric analysis and optimization for a combined power and refrigeration cycle. Applied Energy, 2008, 85, 1071-1085.	5.1	122
179	Primary Frequency Control Characteristic of a Grid. , 2008, , .		6
180	Research on the Primary Frequency Control Characteristics of Generators in Power System. , 2007, , .		15

#	ARTICLE	IF	CITATIONS
181	Research on the Influence of Primary Frequency Control Distribution on Power System Security and Stability. , 2007, , .		11
182	Nozzle passage aerodynamic design to reduce solid particle erosion of a supercritical steam turbine control stage. Wear, 2007, 262, 104-111.	1.5	35
183	Thermoeconomic analysis and optimization of a reverse osmosis desalination system driven by ocean thermal energy and solar energy. , 0, 77, 194-205.		3