Tao Yu

List of Publications by Year in Descending Order

174 papers	3,240 citations	29 h-index	49 g-index
191 ext. papers	4,717 ext. citations	5.5 avg, IF	6.35 L-index

#	Paper	IF	Citations
174	Stochastic Robust Real-Time Power Dispatch with Wind Uncertainty using Difference-of-Convexity Optimization. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	1
173	A multi-agent deep reinforcement learning-based Octopus cooperative load frequency control for an interconnected grid with various renewable units. *Sustainable Energy Technologies and Assessments*, **2022**, 51, 101899	4.7	1
172	Large-scale multi-agent reinforcement learning-based method for coordinated output voltage control of solid oxide fuel cell. *Case Studies in Thermal Engineering*, **2022**, 30, 101752	5.6	1
171	Distributed deep reinforcement learning-based coordination performance optimization method for proton exchange membrane fuel cell system. *Sustainable Energy Technologies and Assessments*, **2022**, 50, 101814	4.7	3
170	Grid-area coordinated load frequency control strategy using large-scale multi-agent deep reinforcement learning. *Energy Reports*, **2022**, 8, 255-274	4.6	5
169	Data-driven coordinated control method for multiple systems in proton exchange membrane fuel cells using deep reinforcement learning. *Energy Reports*, **2022**, 8, 290-311	4.6	0
168	Coordinated load frequency control of multi-area integrated energy system using multi-agent deep reinforcement learning. *Applied Energy*, **2022**, 306, 117900	10.7	19
167	Coordinated automatic generation control of interconnected power system with imitation guided exploration multi-agent deep reinforcement learning. *International Journal of Electrical Power and Energy Systems*, **2022**, 136, 107471	5.1	9
166	An efficient multi-agent negotiation algorithm for multi-period photovoltaic array reconfiguration with a hydrogen energy storage system. *Energy Conversion and Management*, **2022**, 256, 115376	10.6	0
165	Analytical reliability assessment of cyber-physical distribution system with distributed feeder automation. *Electric Power Systems Research*, **2022**, 208, 107864	3.5	1
164	Data-driven cooperative load frequency control method for microgrids using effective exploration-distributed multi-agent deep reinforcement learning. *IET Renewable Power Generation*, **2022**, 16, 655-670	2.9	
163	Coevolutionary Framework-Based Constrained Multi-Objective Optimization for Optimal Carbon-Energy Combined Flow of a Power Grid. *Mathematical Problems in Engineering*, **2022**, 2022, 1-10	1.1	
162	Multi-objective optimal control for proton exchange membrane fuel cell via large-scale deep reinforcement learning. *Energy Reports*, **2021**, 7, 6422-6437	4.6	0
161	Emergency fault affected wide-area automatic generation control via large-scale deep reinforcement learning. *Engineering Applications of Artificial Intelligence*, **2021**, 106, 104500	7.2	8
160	Large-scale multi-agent deep reinforcement learning-based coordination strategy for energy optimization and control of proton exchange membrane fuel cell. *Sustainable Energy Technologies and Assessments*, **2021**, 48, 101568	4.7	3
159	Optimal adaptive control for solid oxide fuel cell with operating constraints via large-scale deep reinforcement learning. *Control Engineering Practice*, **2021**, 117, 104951	3.9	0
158	Optimal mileage-based PV array reconfiguration using swarm reinforcement learning. *Energy Conversion and Management*, **2021**, 232, 113892	10.6	14

157	Efficient experience replay based deep deterministic policy gradient for AGC dispatch in integrated energy system. *Applied Energy*, **2021**, 285, 116386	10.7	26
156	Photovoltaic cell parameter estimation based on improved equilibrium optimizer algorithm. *Energy Conversion and Management*, **2021**, 236, 114051	10.6	18
155	Distributed deep reinforcement learning for optimal voltage control of PEMFC. *IET Renewable Power Generation*, **2021**, 15, 2778-2798	2.9	1
154	Coordinated Planning and Energy Conservation for Distribution Network with Renewable Energy: Standardized Information Model and Software. *Mathematical Problems in Engineering*, **2021**, 2021, 1-10	1.1	
153	Parameter identification of proton exchange membrane fuel cell via Levenberg-Marquardt backpropagation algorithm. *International Journal of Hydrogen Energy*, **2021**, 46, 22998-23012	6.7	8
152	Behavioral decision-making in power demand-side response management: A multi-population evolutionary game dynamics perspective. *International Journal of Electrical Power and Energy Systems*, **2021**, 129, 106743	5.1	6
151	Recent advances and summarization of fault diagnosis techniques for proton exchange membrane fuel cell systems: A critical overview. *Journal of Power Sources*, **2021**, 500, 229932	8.9	7
150	Modelling, applications, and evaluations of optimal sizing and placement of distributed generations: A critical state-of-the-art survey. *International Journal of Energy Research*, **2021**, 45, 3615-3642	4.5	10
149	Robust fractional-order PID control of supercapacitor energy storage systems for distribution network applications: A perturbation compensation based approach. *Journal of Cleaner Production*, **2021**, 279, 123362	10.3	7
148	Adaptive distributed auction-based algorithm for optimal mileage based AGC dispatch with high participation of renewable energy. *International Journal of Electrical Power and Energy Systems*, **2021**, 124, 106371	5.1	36
147	State-of-the-art one-stop handbook on wind forecasting technologies: An overview of classifications, methodologies, and analysis. *Journal of Cleaner Production*, **2021**, 283, 124628	10.3	11
146	Energy cooperation between Myanmar and China under One Belt One Road: Current state, challenges and perspectives. *Energy*, **2021**, 215, 119130	7.9	9
145	Multi-agent Learning based Nearly Non-iterative Stochastic Dynamic Transactive Energy Control of Networked Microgrids. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	1
144	Adaptive Controller of PEMFC Output Voltage Based on Ambient Intelligence Large-Scale Deep Reinforcement Learning. *IEEE Access*, **2021**, 9, 6063-6075	3.5	3
143	Multidimensional Intelligent Distribution Network Load Analysis and Forecasting Management System Based on Multidata Fusion Technology. *Mathematical Problems in Engineering*, **2021**, 2021, 1-24	1.1	0
142	Parameter extraction of PEMFC via Bayesian regularization neural network based meta-heuristic algorithms. *Energy*, **2021**, 228, 120592	7.9	12
141	A novel data-driven controller for solid oxide fuel cell via deep reinforcement learning. *Journal of Cleaner Production*, **2021**, 321, 128929	10.3	16
140	Distributed deep reinforcement learning-based multi-objective integrated heat management method for water-cooling proton exchange membrane fuel cell. *Case Studies in Thermal Engineering* , **2021**, 27, 101284	5.6	2

139	Adaptive rapid neural optimization: A data-driven approach to MPPT for centralized TEG systems. *Electric Power Systems Research*, **2021**, 199, 107426	3.5	4
138	Coordinated control of gas supply system in PEMFC based on multi-agent deep reinforcement learning. *International Journal of Hydrogen Energy*, **2021**, 46, 33899-33914	6.7	4
137	A Random Forest-Assisted Fast Distributed Auction-Based Algorithm for Hierarchical Coordinated Power Control in a Large-Scale PV Power Plant. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 2471-2481	8.2	2
136	A new adaptive controller based on distributed deep reinforcement learning for PEMFC air supply system. *Energy Reports*, **2021**, 7, 1267-1279	4.6	28
135	An optimal coordinated proton exchange membrane fuel cell heat management method based on large-scale multi-agent deep reinforcement learning. *Energy Reports*, **2021**, 7, 6054-6068	4.6	2
134	Interacted collective intelligence based energy harvesting of centralized thermoelectric generation systems under non-uniform temperature gradient. *Sustainable Energy Technologies and Assessments*, **2021**, 48, 101600	4.7	0
133	A data-driven output voltage control of solid oxide fuel cell using multi-agent deep reinforcement learning. *Applied Energy*, **2021**, 304, 117541	10.7	21
132	Extreme learning machine based meta-heuristic algorithms for parameter extraction of solid oxide fuel cells. *Applied Energy*, **2021**, 303, 117630	10.7	4
131	Stochastic Dynamic Programming-Based Online Algorithm for Energy Management of Integrated Energy Buildings With Electric Vehicles and Flexible Thermal Loads. *IEEE Access*, **2021**, 9, 58780-58789	3.5	0
130	Interactive Equilibrium of Electricity-Gas Energy Distribution System and Integrated Load Aggregators Considering Energy Pricings: A Master-Slave Approach. *IEEE Access*, **2020**, 8, 70527-70541	3.5	3
129	Distributed Optimal Dispatching of Interconnected Electricity-Gas-Heating System. *IEEE Access*, **2020**, 8, 93309-93321	3.5	1
128	Stochastic Transactive Control for Electric Vehicle Aggregators Coordination: A Decentralized Approximate Dynamic Programming Approach. *IEEE Transactions on Smart Grid*, **2020**, 11, 4261-4277	10.7	21
127	Improved Generative Adversarial Network-Based Super Resolution Reconstruction for Low-Frequency Measurement of Smart Grid. *IEEE Access*, **2020**, 8, 85257-85270	3.5	4
126	Decentralized Optimization of Electricity-Natural Gas Flow Considering Dynamic Characteristics of Networks. *Applied Sciences (Switzerland)*, **2020**, 10, 3348	2.6	1
125	Risk-averse real-time dispatch of integrated electricity and heat system using a modified approximate dynamic programming approach. *Energy*, **2020**, 198, 117347	7.9	8
124	Distributed Optimal Scheduling of Electricity□Gas□Heating System Based on Improved Alternating Direction Method of Multipliers. *Applied Sciences (Switzerland)*, **2020**, 10, 1214	2.6	0
123	Optimal Placement of Multiple Feeder Terminal Units Using Intelligent Algorithms. *Applied Sciences (Switzerland)*, **2020**, 10, 299	2.6	2
122	Comprehensive overview of meta-heuristic algorithm applications on PV cell parameter identification. *Energy Conversion and Management*, **2020**, 208, 112595	10.6	107

121	Optimal Mileage Based AGC Dispatch of a GenCo. *IEEE Transactions on Power Systems*, **2020**, 35, 2516-2526	7	36
120	Dynamic Surrogate Model Based Optimization for MPPT of Centralized Thermoelectric Generation Systems Under Heterogeneous Temperature Difference. *IEEE Transactions on Energy Conversion*, **2020**, 35, 966-976	5.4	16
119	Asynchronous Fault Location Scheme Based on Voltage Distribution for Three-Terminal Transmission Lines. *IEEE Transactions on Power Delivery*, **2020**, 35, 2530-2540	4.3	8
118	A state-of-the-art survey of solid oxide fuel cell parameter identification: Modelling, methodology, and perspectives. *Energy Conversion and Management*, **2020**, 213, 112856	10.6	27
117	A critical survey on proton exchange membrane fuel cell parameter estimation using meta-heuristic algorithms. *Journal of Cleaner Production*, **2020**, 265, 121660	10.3	19
116	Multi-Objective Optimization Dispatching Strategy for Wind-Thermal-Storage Generation System Incorporating Temporal and Spatial Distribution Control of Air Pollutant Dispersion. *IEEE Access*, **2020**, 8, 44263-44275	3.5	2
115	A Practical Large-Scale Distribution Network Planning Model Based on Elite Ant-Q. *IEEE Access*, **2020**, 8, 58912-58922	3.5	7
114	An Exploratory Investigation on Modelling Technologies to Flexible Loads Dispatching in A Smart Grid Environment. *E3S Web of Conferences*, **2020**, 194, 03013	0.5	
113	Multi-Agent Cooperation Based Reduced-Dimension Q() Learning for Optimal Carbon-Energy Combined-Flow. *Energies*, **2020**, 13, 4778	3.1	0
112	Mesh Method for Distribution Network Planning Model Based on Bi-level Planning. *Lecture Notes in Electrical Engineering*, **2020**, 205-216	0.2	
111	Two-population Asymmetric Evolutionary Game Dynamics-based Decision-making Behavior Analysis for A Supply-side Electric Power Bidding Market. *E3S Web of Conferences*, **2020**, 194, 03009	0.5	
110	Control of SMES systems in distribution networks with renewable energy integration: A perturbation estimation approach. *Energy*, **2020**, 202, 117753	7.9	12
109	Comprehensive overview of maximum power point tracking algorithms of PV systems under partial shading condition. *Journal of Cleaner Production*, **2020**, 268, 121983	10.3	51
108	Analysis of electrical length compensation types for tuned half-wavelength transmission lines. *International Journal of Electrical Power and Energy Systems*, **2020**, 115, 105520	5.1	4
107	Fast atom search optimization based MPPT design of centralized thermoelectric generation system under heterogeneous temperature difference. *Journal of Cleaner Production*, **2020**, 248, 119301	10.3	29
106	Multi-timescale and multi-objective power dispatch strategy incorporating air pollutant temporal and spatial distribution control. *Journal of Cleaner Production*, **2020**, 253, 119453	10.3	2
105	Greedy search based data-driven algorithm of centralized thermoelectric generation system under non-uniform temperature distribution. *Applied Energy*, **2020**, 260, 114232	10.7	16
104	Applications of battery/supercapacitor hybrid energy storage systems for electric vehicles using perturbation observer based robust control. *Journal of Power Sources*, **2020**, 448, 227444	8.9	39

103	Design and implementation of Battery/SMES hybrid energy storage systems used in electric vehicles: A nonlinear robust fractional-order control approach. *Energy*, **2020**, 191, 116510	7.9	33
102	Dynamic space vector based discontinuous PWM for three-level inverters. *International Journal of Electrical Power and Energy Systems*, **2020**, 117, 105638	5.1	4
101	Optimal sizing and placement of energy storage system in power grids: A state-of-the-art one-stop handbook. *Journal of Energy Storage*, **2020**, 32, 101814	7.8	18
100	Environmental Economic Dispatch Strategy for Power-Gas Interconnection System Considering Spatiotemporal Diffusion of Air Pollutant and P2G in Coastal Areas. *IEEE Access*, **2020**, 8, 123662-123672	3.5	1
99	Elaborate Reliability Evaluation of Cyber Physical Distribution Systems Considering Fault Location, Isolation and Supply Restoration Process. *IEEE Access*, **2020**, 8, 128574-128590	3.5	3
98	Real-Time Optimal Scheduling of Large-Scale Electric Vehicles: A Dynamic Non-Cooperative Game Approach. *IEEE Access*, **2020**, 8, 133633-133644	3.5	3
97	Equilibrium analysis of general N-population multi-strategy games for generation-side long-term bidding: An evolutionary game perspective. *Journal of Cleaner Production*, **2020**, 276, 124123	10.3	17
96	Multi-objective electricity-gas flow with stochastic dispersion control for air pollutants using two-stage Pareto optimization. *Applied Energy*, **2020**, 279, 115773	10.7	3
95	Point estimate-based stochastic robust dispatch for electricity-gas combined system under wind uncertainty using iterative convex optimization. *Energy*, **2020**, 211, 118986	7.9	2
94	An Approach of Electrical Load Profile Analysis Based on Time Series Data Mining. *IEEE Access*, **2020**, 8, 209915-209925	3.5	4
93	Deep Reinforcement Learning Based Multi-Objective Integrated Automatic Generation Control for Multiple Continuous Power Disturbances. *IEEE Access*, **2020**, 8, 156839-156850	3.5	5
92	Multi-Agent Deep Reinforcement Learning for Sectional AGC Dispatch. *IEEE Access*, **2020**, 8, 158067-158081	3.5	2
91	Synergetic Power-Gas Flow With Space-Time Diffusion Control of Air Pollutants Using a Convex Multi-Objective Optimization. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 726-735	8.2	4
90	A study of reliability assessment and topology similarity: Methodology, relationship, and applications. *International Transactions on Electrical Energy Systems*, **2020**, 30, e12168	2.2	1
89	Passive Current Control Design for MMC in HVDC Systems through Energy Reshaping. *Electronics (Switzerland)*, **2019**, 8, 967	2.6	1
88	Reactive Power Optimization of Large-Scale Power Systems: A Transfer Bees Optimizer Application. *Processes*, **2019**, 7, 321	2.9	7
87	Optimal Nonlinear Adaptive Control for Voltage Source Converters via Memetic Salp Swarm Algorithm: Design and Hardware Implementation. *Processes*, **2019**, 7, 490	2.9	6
86	Reliability assessment of distribution networks through graph theory, topology similarity and statistical analysis. *IET Generation, Transmission and Distribution*, **2019**, 13, 37-45	2.5	5

85	Many-Objective Optimal Power Dispatch Strategy Incorporating Temporal and Spatial Distribution Control of Multiple Air Pollutants. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 5309-5319	11.9	12
84	A new generation of AI: A review and perspective on machine learning technologies applied to smart energy and electric power systems. *International Journal of Energy Research*, **2019**, 43, 1928-1973	4.5	74
83	Memetic reinforcement learning based maximum power point tracking design for PV systems under partial shading condition. *Energy*, **2019**, 174, 1079-1090	7.9	31
82	Game-Theoretic Approaches Applied to Transactions in the Open and Ever-Growing Electricity Markets From the Perspective of Power Demand Response: An Overview. *IEEE Access*, **2019**, 7, 25727-25762	3.5	34
81	. *IEEE Access*, **2019**, 7, 23127-23148	3.5	24
80	Smart dispatching for energy internet with complex cyber-physical-social systems: A parallel dispatch perspective. *International Journal of Energy Research*, **2019**, 43, 3080-3133	4.5	9
79	Multi-Searcher Optimization for the Optimal Energy Dispatch of Combined Heat and Power-Thermal-Wind-Photovoltaic Systems. *Applied Sciences (Switzerland)*, **2019**, 9, 537	2.6	1
78	Adaptive deep dynamic programming for integrated frequency control of multi-area multi-microgrid systems. *Neurocomputing*, **2019**, 344, 49-60	5.4	22
77	Adaptive fractional-order PID control of PMSG-based wind energy conversion system for MPPT using linear observers. *International Transactions on Electrical Energy Systems*, **2019**, 29, e2697	2.2	34
76	Fault Ride-Through Capability Enhancement of Type-4 WECS in Offshore Wind Farm via Nonlinear Adaptive Control of VSC-HVDC. *Processes*, **2019**, 7, 540	2.9	2
75	Applications of supercapacitor energy storage systems in microgrid with distributed generators via passive fractional-order sliding-mode control. *Energy*, **2019**, 187, 115905	7.9	26
74	Adaptive Distributed Consensus Protocol for Automatic Generation Control of Large-Scale Interconnected Power Systems. *IEEE Access*, **2019**, 7, 48167-48174	3.5	3
73	PCSMC design of permanent magnetic synchronous generator for maximum power point tracking. *IET Generation, Transmission and Distribution*, **2019**, 13, 3115-3126	2.5	14
72	Modified linear active disturbance rejection control for microgrid inverters: Design, analysis, and hardware implementation. *International Transactions on Electrical Energy Systems*, **2019**, 29, e12060	2.2	3
71	MPPT design of centralized thermoelectric generation system using adaptive compass search under non-uniform temperature distribution condition. *Energy Conversion and Management*, **2019**, 199, 111991	10.6	19
70	Adaptive Pitch Control of Variable-Pitch PMSG Based Wind Turbine. *Applied Sciences (Switzerland)*, **2019**, 9, 4109	2.6	0
69	Fast Stackelberg equilibrium learning for real-time coordinated energy control of a multi-area integrated energy system. *Applied Thermal Engineering*, **2019**, 153, 225-241	5.8	13
68	A convex decentralized optimization for environmental-economic power and gas system considering diversified emission control. *Applied Energy*, **2019**, 240, 630-645	10.7	22

67	Development and application research of smart distribution district based on IDTT-B new-type transformer terminal unit. *International Journal of Information and Communication Technology*, **2019**, 14, 58	0.1	0
66	Control of superconducting magnetic energy storage systems in grid-connected microgrids via memetic salp swarm algorithm: An optimal passive fractional-order PID approach. *IET Generation, Transmission and Distribution*, **2019**, 13, 5511-5522	2.5	8
65	Analysis and hardware implementation of virtual resistance based PV inverters for harmonics suppression. *IET Generation, Transmission and Distribution*, **2019**, 13, 4592-4603	2.5	4
64	Overall Adaptive Controller Design of PMSG Under Whole Wind Speed Range: A Perturbation Compensation Based Approach. *Processes*, **2019**, 7, 732	2.9	2
63	Homogenized adjacent points method: A novel Pareto optimizer for linearized multi-objective optimal energy flow of integrated electricity and gas system. *Applied Energy*, **2019**, 233-234, 338-351	10.7	18
62	Convex decoupled-synergetic strategies for robust multi-objective power and gas flow considering power to gas. *Energy*, **2019**, 168, 753-771	7.9	15
61	Parallel Cyber-Physical-Social Systems Based Smart Energy Robotic Dispatcher and Knowledge Automation: Concepts, Architectures, and Challenges. *IEEE Intelligent Systems*, **2019**, 34, 54-64	4.2	12
60	Novel bio-inspired memetic salp swarm algorithm and application to MPPT for PV systems considering partial shading condition. *Journal of Cleaner Production*, **2019**, 215, 1203-1222	10.3	194
59	Dynamic leader based collective intelligence for maximum power point tracking of PV systems affected by partial shading condition. *Energy Conversion and Management*, **2019**, 179, 286-303	10.6	123
58	Decentralized optimal multi-energy flow of large-scale integrated energy systems in a carbon trading market. *Energy*, **2018**, 149, 779-791	7.9	49
57	Relaxed deep learning for real-time economic generation dispatch and control with unified time scale. *Energy*, **2018**, 149, 11-23	7.9	20
56	Design of a Novel Smart Generation Controller Based on Deep Q Learning for Large-Scale Interconnected Power System. *Journal of Energy Engineering - ASCE*, **2018**, 144, 04018033	1.7	10
55	Democratic joint operations algorithm for optimal power extraction of PMSG based wind energy conversion system. *Energy Conversion and Management*, **2018**, 159, 312-326	10.6	54
54	Passive control design for multi-terminal VSC-HVDC systems via energy shaping. *International Journal of Electrical Power and Energy Systems*, **2018**, 98, 496-508	5.1	19
53	Culture Evolution Learning for Optimal Carbon-Energy Combined-Flow. *IEEE Access*, **2018**, 6, 15521-15533	3.5	3
52	Interactive teaching-learning optimiser for parameter tuning of VSC-HVDC systems with offshore wind farm integration. *IET Generation, Transmission and Distribution*, **2018**, 12, 678-687	2.5	18
51	Lifelong Learning for Complementary Generation Control of Interconnected Power Grids With High-Penetration Renewables and EVs. *IEEE Transactions on Power Systems*, **2018**, 33, 4097-4110	7	36
50	Pareto tribe evolution with equilibrium-based decision for multi-objective optimization of multiple home energy management systems. *Energy and Buildings*, **2018**, 159, 11-23	7	15

49	Fast learning optimiser for real-time optimal energy management of a grid-connected microgrid. *IET Generation, Transmission and Distribution*, **2018**, 12, 2977-2987	2.5	12
48	Perturbation observer based fractional-order sliding-mode controller for MPPT of grid-connected PV inverters: Design and real-time implementation. *Control Engineering Practice*, **2018**, 79, 105-125	3.9	51
47	Dissolved Gas Analysis Principle-Based Intelligent Approaches to Fault Diagnosis and Decision Making for Large Oil-Immersed Power Transformers: A Survey. *Energies*, **2018**, 11, 913	3.1	34
46	Local Energy Management and Optimization: A Novel Energy Universal Service Bus System Based on Energy Internet Technologies. *Energies*, **2018**, 11, 1160	3.1	14
45	Multi-Agent Bargaining Learning for Distributed Energy Hub Economic Dispatch. *IEEE Access*, **2018**, 6, 39564-39573	3.5	5
44	Passivity-based sliding-mode control design for optimal power extraction of a PMSG based variable speed wind turbine. *Renewable Energy*, **2018**, 119, 577-589	8.1	177
43	Robust sliding-mode control of wind energy conversion systems for optimal power extraction via nonlinear perturbation observers. *Applied Energy*, **2018**, 210, 711-723	10.7	226
42	. *IEEE Access*, **2018**, 6, 74204-74239	3.5	11
41	Deep Forest Reinforcement Learning for Preventive Strategy Considering Automatic Generation Control in Large-Scale Interconnected Power Systems. *Applied Sciences (Switzerland)*, **2018**, 8, 2185	2.6	10
40	Sliding-Mode Perturbation Observer-Based Sliding-Mode Control for VSC-HVDC Systems **2018**,		1
39	A Cyber-Physical-Social System with Parallel Learning for Distributed Energy Management of a Microgrid **2018**,		4
38	Ensemble learning for optimal active power control of distributed energy resources and thermostatically controlled loads in an islanded microgrid. *International Journal of Hydrogen Energy*, **2018**, 43, 22474-22486	6.7	5
37	A cyber-physical-social system with parallel learning for distributed energy management of a microgrid. *Energy*, **2018**, 165, 205-221	7.9	11
36	Hot Spot Temperature and Grey Target Theory-Based Dynamic Modelling for Reliability Assessment of Transformer Oil-Paper Insulation Systems: A Practical Case Study. *Energies*, **2018**, 11, 249	3.1	13
35	Smoothly Transitive Fixed Frequency Hysteresis Current Control Based on Optimal Voltage Space Vector. *Energies*, **2018**, 11, 1695	3.1	
34	Energy reshaping based passive fractional-order PID control design and implementation of a grid-connected PV inverter for MPPT using grouped grey wolf optimizer. *Solar Energy*, **2018**, 170, 31-46	6.8	44
33	Nash Equilibrium-Based Asymptotic Stability Analysis of Multi-Group Asymmetric Evolutionary Games in Typical Scenario of Electricity Market. *IEEE Access*, **2018**, 6, 32064-32086	3.5	33
32	Perturbation observer based fractional-order PID control of photovoltaics inverters for solar energy harvesting via Yin-Yang-Pair optimization. *Energy Conversion and Management*, **2018**, 171, 170-187	10.6	49

31	Passivity-based fractional-order sliding-mode control design and implementation of grid-connected photovoltaic systems. *Journal of Renewable and Sustainable Energy*, **2018**, 10, 043701	2.5	10
30	Passivity-based linear feedback control of permanent magnetic synchronous generator-based wind energy conversion system: design and analysis. *IET Renewable Power Generation*, **2018**, 12, 981-991	2.9	24
29	Deep transfer Q-learning with virtual leader-follower for supply-demand Stackelberg game of smart grid. *Energy*, **2017**, 133, 348-365	7.9	36
28	Equilibrium-inspired multiagent optimizer with extreme transfer learning for decentralized optimal carbon-energy combined-flow of large-scale power systems. *Applied Energy*, **2017**, 189, 157-176	10.7	20
27	Accelerating bio-inspired optimizer with transfer reinforcement learning for reactive power optimization. *Knowledge-Based Systems*, **2017**, 116, 26-38	7.3	32
26	Perturbation estimation based robust state feedback control for grid connected DFIG wind energy conversion system. *International Journal of Hydrogen Energy*, **2017**, 42, 20994-21005	6.7	31
25	Artificial emotional reinforcement learning for automatic generation control of large-scale interconnected power grids. *IET Generation, Transmission and Distribution*, **2017**, 11, 2305-2313	2.5	29
24	Grouped grey wolf optimizer for maximum power point tracking of doubly-fed induction generator based wind turbine. *Energy Conversion and Management*, **2017**, 133, 427-443	10.6	220
23	Bacteria Foraging Reinforcement Learning for Risk-Based Economic Dispatch via Knowledge Transfer. *Energies*, **2017**, 10, 638	3.1	6
22	Multiagent Stochastic Dynamic Game for Smart Generation Control. *Journal of Energy Engineering - ASCE*, **2016**, 142, 04015012	1.7	12
21	Wolf pack hunting strategy for automatic generation control of an islanding smart distribution network. *Energy Conversion and Management*, **2016**, 122, 10-24	10.6	30
20	A wolf pack hunting strategy based virtual tribes control for automatic generation control of smart grid. *Applied Energy*, **2016**, 178, 198-211	10.7	22
19	Robust collaborative consensus algorithm for decentralized economic dispatch with a practical communication network. *Electric Power Systems Research*, **2016**, 140, 597-610	3.5	21
18	Virtual generation tribe based robust collaborative consensus algorithm for dynamic generation command dispatch optimization of smart grid. *Energy*, **2016**, 101, 34-51	7.9	24
17	Dynamic equivalent-based reliability evaluation of distribution systems with DGs. *IET Generation, Transmission and Distribution*, **2016**, 10, 2285-2294	2.5	9
16	A review on the virtual power plant: Components and operation systems **2016**,		26
15	Hierarchically correlated equilibrium Q-learning for multi-area decentralized collaborative reactive power optimization. *CSEE Journal of Power and Energy Systems*, **2016**, 2, 65-72	2.3	33
14	Consensus Transfer ${Q}$ -Learning for Decentralized Generation Command Dispatch Based on Virtual Generation Tribe. *IEEE Transactions on Smart Grid*, **2016**, 1-1	10.7	7

13	A novel multi-agent decentralized win or learn fast policy hill-climbing with eligibility trace algorithm for smart generation control of interconnected complex power grids. *Energy Conversion and Management*, **2015**, 103, 82-93	10.6	25
12	Approximate ideal multi-objective solution Q(λ) learning for optimal carbon-energy combined-flow in multi-energy power systems. *Energy Conversion and Management*, **2015**, 106, 543-556	10.6	22
11	Lifetime Assessment and Optimized Maintenance System of Transformers Based on the HST Model. *Lecture Notes in Electrical Engineering*, **2015**, 417-430	0.2	2
10	. *IEEE Transactions on Industrial Informatics*, **2014**, 10, 1012-1022	11.9	26
9	Stochastic Optimal Relaxed Automatic Generation Control in Non-Markov Environment Based on Multi-Step $Q(lambda)$ Learning. *IEEE Transactions on Power Systems*, **2011**, 26, 1272-1282	7	59
8	Stochastic Optimal CPS Relaxed Control Methodology for Interconnected Power Systems Using Q-Learning Method. *Journal of Energy Engineering - ASCE*, **2011**, 137, 116-129	1.7	16
7	A reinforcement learning approach to power system stabilizer **2009**,		2
6	Damping analysis of primary and auxiliary control of HVDC systems. *European Transactions on Electrical Power*, **2009**, 20, n/a-n/a		1
5	Study on microturbine as a back-up power supply for power grid black-start **2009**,		4
4	Nonlinear PID control design for improving stability of micro-turbine systems **2008**,		3
3	Auto disturbance rejection control of microturbine system **2008**,		1
2	Adaptable nonlinear controller for a boiler-turbine system		1
1	Distributed deep reinforcement learning for integrated generation-control and power-dispatch of interconnected power grid with various renewable units. *IET Renewable Power Generation*,	2.9	3