

# Long term electric load forecasting based on particle sw

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A new fuzzy adaptive particle swarm optimization for daily Volt/Var control in distribution networks considering distributed generators. Applied Energy, 2010, 87, 1919-1928.	5.1	95
2	Congestion management enhancing transient stability of power systems. Applied Energy, 2010, 87, 971-981.	5.1	23
3	An enhanced radial basis function network for short-term electricity price forecasting. Applied Energy, 2010, 87, 3226-3234.	5.1	71
4	Research on Monthly Electric Energy Demand Forecasting under the Influence of Two Calendars. Applied Mechanics and Materials, 2010, 20-23, 963-968.	0.2	1
5	Modeling and forecasting short-term electricity load based on multi adaptive neural-fuzzy inference system by using temperature. , 2010, , .		4
6	Load forecasting based on kernel-based orthogonal projections to latent structures. , 2011, , .		1
7	A seasonal hybrid procedure for electricity demand forecasting in China. Applied Energy, 2011, 88, 3807-3815.	5.1	85
8	Cauchy mutation based on objective variable of Gaussian particle swarm optimization for parameters selection of SVM. Expert Systems With Applications, 2011, 38, 6405-6411.	4.4	25
9	Cauchy mutation for decision-making variable of Gaussian particle swarm optimization applied to parameters selection of SVM. Expert Systems With Applications, 2011, 38, 4929-4934.	4.4	13
10	Hybrid forecasting model based on support vector machine and particle swarm optimization with adaptive and Cauchy mutation. Expert Systems With Applications, 2011, 38, 9070-9075.	4.4	21
11	Optimization methods applied to renewable and sustainable energy: A review. Renewable and Sustainable Energy Reviews, 2011, 15, 1753-1766.	8.2	1,276
12	Electric Power System Planning. Power Systems, 2011, , .	0.3	160
13	Application of the largest Lyapunov exponent and non-linear fractal extrapolation algorithm to short-term load forecasting. Chaos, Solitons and Fractals, 2012, 45, 1277-1287.	2.5	27
14	Forecasting for demand response in smart grids: An analysis on use of anthropologic and structural data and short term multiple loads forecasting. Applied Energy, 2012, 96, 150-160.	5.1	158
15	Energy demand forecasting in Iranian metal industry using linear and nonlinear models based on evolutionary algorithms. Energy Conversion and Management, 2012, 58, 1-9.	4.4	46
16	A particle swarm optimization algorithm for optimization of thermal performance of a smooth flat plate solar air heater. Energy, 2012, 38, 406-413.	4.5	50
17	Energy models for demand forecasting – A review. Renewable and Sustainable Energy Reviews, 2012, 16, 1223-1240.	8.2	910
18	Stochastic techniques used for optimization in solar systems: A review. Renewable and Sustainable Energy Reviews, 2012, 16, 1399-1411.	8.2	66

#	ARTICLE	IF	CITATIONS
19	Mid-long term Algerian electric load forecasting using regression approach. , 2013, , .		10
20	A grey-forecasting interval-parameter mixed-integer programming approach for integrated electric-environmental managementâ€”A case study of Beijing. Energy, 2013, 63, 334-344.	4.5	21
21	Imperialist competitive algorithm combined with refined high-order weighted fuzzy time series (RHWFTSâ€”ICA) for short term load forecasting. Energy Conversion and Management, 2013, 76, 1104-1116.	4.4	60
22	Predicting and optimization of energy consumption using system dynamics-fuzzy multiple objective programming in world heritage areas. Energy, 2013, 49, 19-31.	4.5	64
23	Intelligent optimized wind resource assessment and wind turbines selection in Huitengxile of Inner Mongolia, China. Applied Energy, 2013, 109, 239-253.	5.1	65
24	A new hybrid day-ahead peak load forecasting method for Iranâ€™s National Grid. Applied Energy, 2013, 101, 489-501.	5.1	58
25	Sketch an ICT-based Data Management Scheme for liberalizing electricity market. , 2013, , .		0
26	Bio-Inspired Optimization of Sustainable Energy Systems: A Review. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	34
27	Forecasting Electrical Energy Consumption of Equipment Maintenance Using Neural Network and Particle Swarm Optimization. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	17
28	Prediction of full load electrical power output of a base load operated combined cycle power plant using machine learning methods. International Journal of Electrical Power and Energy Systems, 2014, 60, 126-140.	3.3	287
29	Long-term electrical energy consumption forecasting for developing and developed economies based on different optimized models and historical data types. Energy, 2014, 65, 452-461.	4.5	126
30	A hybrid forecasting model with parameter optimization for short-term load forecasting of micro-grids. Applied Energy, 2014, 129, 336-345.	5.1	186
31	A new short-term load forecasting method of power system based on EEMD and SS-PSO. Neural Computing and Applications, 2014, 24, 973-983.	3.2	43
32	Evaluating the performance of genetic and particle swarm optimization algorithms to select an appropriate scenario for forecasting energy demand using economic indicators: residential and commercial sectors of Iran. International Journal of Energy and Environmental Engineering, 2015, 6, 345-355.	1.3	14
33	Classification of electricity load forecasting based on the factors influencing the load consumption and methods used: An-overview. , 2015, , .		17
34	Multivariate statistical and similarity measure based semiparametric modeling of the probability distribution: A novel approach to the case study of mid-long term electricity consumption forecasting in China. Applied Energy, 2015, 156, 502-518.	5.1	30
35	A Fast and Stable Forecasting Model to Forecast Power Load. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1559005.	0.7	8
36	Using GM (1,1) Optimized by MFO with Rolling Mechanism to Forecast the Electricity Consumption of Inner Mongolia. Applied Sciences (Switzerland), 2016, 6, 20.	1.3	51

#	ARTICLE	IF	CITATIONS
37	Matrix based univariate and multivariate linear approach towards Long Term electrical Load Forecasting. , 2016, , .		3
38	Application of SVR with backtracking search algorithm for long-term load forecasting. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2341-2347.	0.8	6
39	Long-term load forecasting based on gravitational search algorithm. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3633-3643.	0.8	8
40	An optimized grey model for annual power load forecasting. Energy, 2016, 107, 272-286.	4.5	168
41	Forecasting the load of electrical power systems in mid- and long-term horizons: a review. IET Generation, Transmission and Distribution, 2016, 10, 3971-3977.	1.4	105
42	Development of an enhanced parametric model for wind turbine power curve. Applied Energy, 2016, 177, 544-552.	5.1	96
43	Big data driven smart energy management: From big data to big insights. Renewable and Sustainable Energy Reviews, 2016, 56, 215-225.	8.2	575
44	Optimization modeling to support renewables integration in power systems. Renewable and Sustainable Energy Reviews, 2016, 55, 316-325.	8.2	51
45	A new multi-objective solution approach to solve transmission congestion management problem of energy markets. Applied Energy, 2016, 165, 462-471.	5.1	43
46	An ensemble approach for short-term load forecasting by extreme learning machine. Applied Energy, 2016, 170, 22-29.	5.1	189
47	Support Vector Machine Modeling Using Particle Swarm Optimization Approach for the Retrieval of Atmospheric Ammonia Concentrations. Environmental Modeling and Assessment, 2016, 21, 531-546.	1.2	13
48	Experimental Analysis of Flexibility Change with Different Levels of Power Reduction by Demand Response Activation on Thermostatically Controlled Loads. Electric Power Components and Systems, 2017, 45, 88-98.	1.0	6
49	Energy model "A tool for preventing energy dysfunction. Renewable and Sustainable Energy Reviews, 2017, 73, 95-114.	8.2	30
50	Forecasting electricity demand for Turkey: Modeling periodic variations and demand segregation. Applied Energy, 2017, 193, 287-296.	5.1	79
51	Empirical mode decomposition based denoising method with support vector regression for time series prediction: A case study for electricity load forecasting. Measurement: Journal of the International Measurement Confederation, 2017, 103, 52-61.	2.5	118
52	Long-term electrical energy consumption formulating and forecasting via optimized gene expression programming. Energy, 2017, 126, 144-164.	4.5	128
53	A novel hybrid model based on least square support vector machine and weight coefficients optimization: A case study of short-term electric load forecasting. Journal of Renewable and Sustainable Energy, 2017, 9, .	0.8	5
54	Cloud computing platform for real-time measurement and verification of energy performance. Applied Energy, 2017, 188, 497-507.	5.1	37

#	ARTICLE	IF	CITATIONS
55	Electrical load forecasting models: A critical systematic review. <i>Sustainable Cities and Society</i> , 2017, 35, 257-270.	5.1	287
56	Hourly yield prediction of a double-slope solar still hybrid with rubber scrapers in low-latitude areas based on the particle swarm optimization technique. <i>Applied Energy</i> , 2017, 203, 280-303.	5.1	26
57	A review of the decomposition methodology for extracting and identifying the fluctuation characteristics in electricity demand forecasting. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 123-136.	8.2	45
58	Enhanced hybrid model for electricity load forecast through artificial neural network and Jaya algorithm. , 2017, , .		5
59	Forecasting of Chinese Primary Energy Consumption in 2021 with GRU Artificial Neural Network. <i>Energies</i> , 2017, 10, 1453.	1.6	60
60	Application of artificial neural networks and fuzzy logic to long-term load forecast considering the price elasticity of electricity demand. <i>International Transactions on Electrical Energy Systems</i> , 2018, 28, e2606.	1.2	14
61	Forecasting methods in energy planning models. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 88, 297-325.	8.2	219
62	Long-Term Electricity Load Forecasting Considering Volatility Using Multiplicative Error Model. <i>Energies</i> , 2018, 11, 3308.	1.6	18
63	Computational Intelligence Approaches for Energy Load Forecasting in Smart Energy Management Grids: State of the Art, Future Challenges, and Research Directions. <i>Energies</i> , 2018, 11, 596.	1.6	178
64	A Novel Hybrid Interval Prediction Approach Based on Modified Lower Upper Bound Estimation in Combination with Multi-Objective Salp Swarm Algorithm for Short-Term Load Forecasting. <i>Energies</i> , 2018, 11, 1561.	1.6	51
65	Multi-objective optimization design for airfoils with high lift-to-drag ratio based on geometric feature control. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 227, 032014.	0.2	3
66	Study on Selecting the Optimal Algorithm and the Effective Methodology to ANN-Based Short-Term Load Forecasting Model for the Southern Power Company in Vietnam. <i>Energies</i> , 2019, 12, 2283.	1.6	2
67	Survey and analysis of the quantitative methods used in electricity research on GCC countries: 1983â€“2018. <i>Heliyon</i> , 2019, 5, e02634.	1.4	7
68	Research on residential load optimization model based on the adaptive harmony search-particle swarm optimization algorithm. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 238, 012020.	0.2	0
69	A comparative study of long-term load forecasting techniques applied to Tunisian grid case. <i>Electrical Engineering</i> , 2019, 101, 1235-1247.	1.2	12
70	Hybrid ANN and Artificial Cooperative Search Algorithm to Forecast Short-Term Electricity Price in De-Regulated Electricity Market. <i>IEEE Access</i> , 2019, 7, 125369-125386.	2.6	40
71	Power load combination forecasting based on triangular fuzzy discrete difference equation forecasting model and PSO-SVR. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 5889-5898.	0.8	9
72	Short-Term Electricity Price Forecasting via Hybrid Backtracking Search Algorithm and ANFIS Approach. <i>IEEE Access</i> , 2019, 7, 77674-77691.	2.6	52

#	ARTICLE	IF	CITATIONS
73	Prediction of Metallic Conductor Voltage Owing to Electromagnetic Coupling Via a Hybrid ANFIS and Backtracking Search Algorithm. <i>Energies</i> , 2019, 12, 3651.	1.6	15
74	Key technologies of ubiquitous power Internet of Things-aided smart grid. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, 062702.	0.8	26
75	Forecasting Uganda's Net Electricity Consumption Using a Hybrid PSO-ABC Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 3021-3031.	1.7	8
76	Flower pollination-based feedforward neural network for load flow forecasting in smart distribution grid. <i>Neural Computing and Applications</i> , 2019, 31, 6001-6012.	3.2	10
77	Optimal scheduling model for smart home energy management system based on the fusion algorithm of harmony search algorithm and particle swarm optimization algorithm. <i>Science and Technology for the Built Environment</i> , 2020, 26, 42-51.	0.8	22
78	Improving Load Forecasting of Electric Vehicle Charging Stations Through Missing Data Imputation. <i>Energies</i> , 2020, 13, 4893.	1.6	10
79	Upscaling of spatial energy planning, phases, methods, and techniques: A systematic review through meta-analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110036.	8.2	6
80	Power load forecasting in energy system based on improved extreme learning machine. <i>Energy Exploration and Exploitation</i> , 2020, 38, 1194-1211.	1.1	10
81	SVR-FFS: A novel forward feature selection approach for high-frequency time series forecasting using support vector regression. <i>Expert Systems With Applications</i> , 2020, 160, 113729.	4.4	40
82	How to model European electricity load profiles using artificial neural networks. <i>Applied Energy</i> , 2020, 277, 115564.	5.1	43
83	On the long-term density prediction of peak electricity load with demand side management in buildings. <i>Energy and Buildings</i> , 2020, 228, 110450.	3.1	18
84	Long-Term Forecasting of Electrical Loads in Kuwait Using Prophet and Holt-Winters Models. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5627.	1.3	46
85	Forecasting of Electrical Generation Using Prophet and Multiple Seasonality of Holt-Winters Models: A Case Study of Kuwait. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8412.	1.3	8
86	A Multi-Phase Ensemble Model for Long Term Hourly Load Forecasting. , 2020, , .		3
87	A hybrid data mining driven algorithm for long term electric peak load and energy demand forecasting. <i>Energy</i> , 2020, 204, 117948.	4.5	83
88	Mid-term electricity load forecasting by a new composite method based on optimal learning MLP algorithm. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 845-852.	1.4	37
89	Optimization, Learning, and Control for Interdependent Complex Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020, , .	0.5	2
90	A Survey on Investment Demand Assessment Models for Power Grid Infrastructure. <i>IEEE Access</i> , 2021, 9, 9048-9054.	2.6	15

#	ARTICLE	IF	CITATIONS
91	Data mining for energy systems: Review and prospect. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1406.	4.6	2
92	Short-Term Load Forecasting Using Neural Network and Particle Swarm Optimization (PSO) Algorithm. Mathematical Problems in Engineering, 2021, 2021, 1-10.	0.6	20
93	A-RESS new dynamic and smart system for renewable energy sharing problem. PeerJ Computer Science, 2021, 7, e610.	2.7	1
94	Equipping Seasonal Exponential Smoothing Models with Particle Swarm Optimization Algorithm for Electricity Consumption Forecasting. Energies, 2021, 14, 4036.	1.6	22
95	Medium-And Long-Term Load Forecasting Method for Group Objects Based on the Image Representation Learning. Frontiers in Energy Research, 2021, 9, .	1.2	2
96	Advances and bibliographic analysis of particle swarm optimization applications in electrical power system: concepts and variants. Evolutionary Intelligence, 2023, 16, 23-47.	2.3	21
97	Recent Development in Electricity Price Forecasting Based on Computational Intelligence Techniques in Deregulated Power Market. Energies, 2021, 14, 6104.	1.6	12
98	Electricity Load Forecasting Using Optimized Artificial Neural Network. Lecture Notes in Networks and Systems, 2021, , 665-676.	0.5	1
99	Forecasting Energy Demand Using Fuzzy Seasonal Time Series. Atlantis Computational Intelligence Systems, 2012, , 251-269.	0.5	5
100	A New Approach to Short-term Price Forecast Strategy with an Artificial Neural Network Approach: Application to the Nord Pool. Journal of Electrical Engineering and Technology, 2015, 10, 1480-1491.	1.2	8
101	Continuous Conditional Random Field Model for Predicting the Electrical Load of a Combined Cycle Power Plant. Industrial Engineering and Management Systems, 2016, 15, 148-155.	0.3	3
102	Electrical Load Forecasting Models for Different Generation Modalities: A Review. IEEE Access, 2021, 9, 142239-142263.	2.6	27
103	Applying Dynamic Programming Model to Biogas Investment Problem: Case Study in Sichuan. Advances in Intelligent Systems and Computing, 2014, , 893-903.	0.5	0
104	Principal Component Weighted Grey Relational Analysis Method for Power Load Characteristic Forecasting. Lecture Notes in Electrical Engineering, 2020, , 222-229.	0.3	0
105	Modelo Dinámico de Análisis de Evolución Endógena de la Demanda en Mercados Eléctricos. , 2020, , .		0
106	Predictive Analytics in Future Power Systems: A Panorama and State-Of-The-Art of Deep Learning Applications. Advances in Intelligent Systems and Computing, 2020, , 147-182.	0.5	1
108	Power Plant Energy Predictions Based on Thermal Factors Using Ridge and Support Vector Regressor Algorithms. Energies, 2021, 14, 7254.	1.6	30
109	Power system load forecasting using mobility optimization and multi-task learning in COVID-19. Applied Energy, 2022, 310, 118303.	5.1	17

#	ARTICLE	IF	CITATIONS
110	Load Forecasting of Residential Buildings Based on Deep Learning. , 2022, , 135-153.		0
111	Pakistan's electrical energy crises, a way forward towards 50% of sustain clean and green electricity generation. Energy Strategy Reviews, 2022, 40, 100813.	3.3	14
113	Forecasting the energy output from a combined cycle thermal power plant using deep learning models. Case Studies in Thermal Engineering, 2021, 28, 101693.	2.8	7
114	WHILE COVID-19 OUTBREAK AFFECTS ECONOMIES AND SOCIETIES; EXPLORING THE ENERGY DEMAND IN TURKEY. European Journal of Technic, 0, , .	0.2	1
115	Towards Avoiding Cascading Failures in Transmission Expansion Planning of Modern Active Power Systems Using Hybrid Snake-Sine Cosine Optimization Algorithm. Mathematics, 2022, 10, 1323.	1.1	12
116	Recent Survey of Electric Load Forecasting Techniques. Arab Gulf Journal of Scientific Research, 2015, , 197-210.	0.3	1
117	Forecasting highly fluctuating electricity load using machine learning models based on multimillion observations. Advanced Engineering Informatics, 2022, 53, 101707.	4.0	10
118	A fuzzy adaptive symbiotic organism search based hybrid wavelet transform-extreme learning machine model for load forecasting of power system: a case study. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 10833-10847.	3.3	17
119	Short-term residential load forecasting using Graph Convolutional Recurrent Neural Networks. Engineering Applications of Artificial Intelligence, 2022, 116, 105358.	4.3	18
120	Stability Analysis of Hybrid Energy System Using Optimization Technique. , 2022, , .		1
121	Optimizing the thermal performance of solar energy devices using meta-heuristic algorithms: A critical review. Renewable and Sustainable Energy Reviews, 2023, 173, 112903.	8.2	30
122	Short term energy consumption forecasting using neural basis expansion analysis for interpretable time series. Scientific Reports, 2022, 12, .	1.6	14
123	Load Forecasting Models in Smart Grid Using Smart Meter Information: A Review. Energies, 2023, 16, 1404.	1.6	30
124	Compound knowledge mining. , 2023, , 163-168.		0
125	Data-Driven Energy Waste Minimization at Energy Distribution Networks. , 2023, , 1413-1433.		0
126	Multi-Domain Electric Load Forecasting via Attention-Based Feature Fusion. , 2023, , .		0
129	Analyzing the Pattern of the Jordanian Electricity Peak Load Amid Renewable Energy Transition Considering the GDP and Population Growth. , 2023, , .		0