

# Abbas Khosravi

## List of Publications by Year in descending order

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189  
papers

9,966  
citations

34016

52  
h-index

39575

94  
g-index

191  
all docs

191  
docs citations

191  
times ranked

6684  
citing authors

#	ARTICLE	IF	CITATIONS
1	SpinalNet: Deep Neural Network With Gradual Input. IEEE Transactions on Artificial Intelligence, 2023, 4, 1165-1177.	3.4	36
2	Hybrid geneticâ€discretized algorithm to handle data uncertainty in diagnosing stenosis of coronary arteries. Expert Systems, 2022, 39, .	2.9	26
3	Automated Deep CNN-LSTM Architecture Design for Solar Irradiance Forecasting. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 54-65.	5.9	76
4	Uncertainty-Aware Management of Smart Grids Using Cloud-Based LSTM-Prediction Interval. IEEE Transactions on Cybernetics, 2022, 52, 9964-9977.	6.2	11
5	Effective Management of Energy Internet in Renewable Hybrid Microgrids: A Secured Data Driven Resilient Architecture. IEEE Transactions on Industrial Informatics, 2022, 18, 1896-1904.	7.2	43
6	Remodelling State-Space Prediction With Deep Neural Networks for Probabilistic Load Forecasting. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 628-637.	3.4	10
7	Towards novel deep neuroevolution models: chaotic levy grasshopper optimization for short-term wind speed forecasting. Engineering With Computers, 2022, 38, 1787-1811.	3.5	28
8	Uncertainty-aware Decisions in Cloud Computing. ACM Computing Surveys, 2022, 54, 1-30.	16.1	29
9	ANN-Based LUBE Model for Interval Prediction of Compressive Strength of Concrete. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 1225-1235.	1.0	1
10	MCUa: Multi-Level Context and Uncertainty Aware Dynamic Deep Ensemble for Breast Cancer Histology Image Classification. IEEE Transactions on Biomedical Engineering, 2022, 69, 818-829.	2.5	35
11	Application of artificial intelligence in wearable devices: Opportunities and challenges. Computer Methods and Programs in Biomedicine, 2022, 213, 106541.	2.6	100
12	New Hybrid Deep Neural Architectural Search-Based Ensemble Reinforcement Learning Strategy for Wind Power Forecasting. IEEE Transactions on Industry Applications, 2022, 58, 15-27.	3.3	29
13	Detection of epileptic seizures on EEG signals using ANFIS classifier, autoencoders and fuzzy entropies. Biomedical Signal Processing and Control, 2022, 73, 103417.	3.5	71
14	Aleatory-aware deep uncertainty quantification for transfer learning. Computers in Biology and Medicine, 2022, 143, 105246.	3.9	9
15	Factors associated with mortality in hospitalized cardiovascular disease patients infected with COVIDâ€™19. Immunity, Inflammation and Disease, 2022, 10, .	1.3	12
16	Predicting Cognitive Load of an Individual With Knowledge Gained From Others: Improvements in Performance Using Crowdsourcing. IEEE Systems, Man, and Cybernetics Magazine, 2022, 8, 4-15.	1.2	0
17	Novel Uncertainty-Aware Deep Neuroevolution Algorithm to Quantify Tidal Forecasting. IEEE Transactions on Industry Applications, 2022, 58, 3324-3332.	3.3	6
18	X-ray image based COVID-19 detection using evolutionary deep learning approach. Expert Systems With Applications, 2022, 201, 116942.	4.4	32

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19	Uncertainty-aware skin cancer detection: The element of doubt. <i>Computers in Biology and Medicine</i> , 2022, 144, 105357.	3.9	6
20	An advanced short-term wind power forecasting framework based on the optimized deep neural network models. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 141, 108143.	3.3	33
21	The internet of medical things and artificial intelligence: trends, challenges, and opportunities. <i>Biocybernetics and Biomedical Engineering</i> , 2022, 42, 749-771.	3.3	33
22	Accurate Prediction Using Triangular Type-2 Fuzzy Linear Regression: Simplifying Complex T2F Calculations. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2022, 8, 51-60.	1.2	1
23	An advanced deep neuroevolution model for probabilistic load forecasting. <i>Electric Power Systems Research</i> , 2022, 211, 108351.	2.1	4
24	Partial Adversarial Training for Neural Network-Based Uncertainty Quantification. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021, 5, 595-606.	3.4	19
25	A comprehensive comparison of handcrafted features and convolutional autoencoders for epileptic seizures detection in EEG signals. <i>Expert Systems With Applications</i> , 2021, 163, 113788.	4.4	94
26	Risk factors prediction, clinical outcomes, and mortality in COVID-19 patients. <i>Journal of Medical Virology</i> , 2021, 93, 2307-2320.	2.5	104
27	Coronary artery disease detection using artificial intelligence techniques: A survey of trends, geographical differences and diagnostic features 1991-2020. <i>Computers in Biology and Medicine</i> , 2021, 128, 104095.	3.9	55
28	Stable Neural Adaptive Filters for Teleoperations With Uncertain Delays. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 8663-8670.	3.3	4
29	Analysis of Driver Performance Using Hybrid of Weighted Ensemble Learning Technique and Evolutionary Algorithms. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 3567-3580.	1.7	7
30	Optimal uncertainty-guided neural network training. <i>Applied Soft Computing Journal</i> , 2021, 99, 106878.	4.1	24
31	Cardiovascular diseases risk prediction in patients with diabetes: Posthoc analysis from a matched case-control study in Bangladesh. <i>Journal of Diabetes and Metabolic Disorders</i> , 2021, 20, 417-425.	0.8	10
32	Handling of uncertainty in medical data using machine learning and probability theory techniques: a review of 30 years (1991-2020). <i>Annals of Operations Research</i> , 2021, , 1-42.	2.6	56
33	An Uncertainty-Aware Transfer Learning-Based Framework for COVID-19 Diagnosis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 1408-1417.	7.2	95
34	The need for a prediction model assessment framework. <i>The Lancet Global Health</i> , 2021, 9, e404.	2.9	9
35	Epileptic Seizures Detection Using Deep Learning Techniques: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5780.	1.2	194
36	Ruptured Hydatid Cysts Resulted in Infectious Pericardial Effusion and Development of Cardiac Tamponade: A Rare Presentation. <i>Multidisciplinary Cardiovascular Annals</i> , 2021, 12, .	0.2	0

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37	NN-based Prediction Interval for Nonlinear Processes Controller. International Journal of Control, Automation and Systems, 2021, 19, 3239-3252.	1.6	5
38	Neural network-based interval forecasting of construction material prices. Journal of Building Engineering, 2021, 39, 102288.	1.6	28
39	Combining a convolutional neural network with autoencoders to predict the survival chance of COVID-19 patients. Scientific Reports, 2021, 11, 15343.	1.6	75
40	Fusion of convolution neural network, support vector machine and Sobel filter for accurate detection of COVID-19 patients using X-ray images. Biomedical Signal Processing and Control, 2021, 68, 102622.	3.5	117
41	Time series forecasting of new cases and new deaths rate for COVID-19 using deep learning methods. Results in Physics, 2021, 27, 104495.	2.0	92
42	Uncertainty quantification in skin cancer classification using three-way decision-based Bayesian deep learning. Computers in Biology and Medicine, 2021, 135, 104418.	3.9	117
43	Automated detection of shockable ECG signals: A review. Information Sciences, 2021, 571, 580-604.	4.0	40
44	A New Ensemble Reinforcement Learning Strategy for Solar Irradiance Forecasting using Deep Optimized Convolutional Neural Network Models. , 2021, , .		10
45	Neural Network Training for Uncertainty Quantification Over Time-Range. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 768-779.	3.4	8
46	A novel approach based on genetic algorithm to speed up the discovery of classification rules on GPUs. Knowledge-Based Systems, 2021, 231, 107419.	4.0	3
47	An oppositional-Cauchy based GSK evolutionary algorithm with a novel deep ensemble reinforcement learning strategy for COVID-19 diagnosis. Applied Soft Computing Journal, 2021, 111, 107675.	4.1	36
48	A Novel Evolutionary-Based Deep Convolutional Neural Network Model for Intelligent Load Forecasting. IEEE Transactions on Industrial Informatics, 2021, 17, 8243-8253.	7.2	105
49	A review of uncertainty quantification in deep learning: Techniques, applications and challenges. Information Fusion, 2021, 76, 243-297.	11.7	876
50	A novel deep neuroevolution-based image classification method to diagnose coronavirus disease (COVID-19). Computers in Biology and Medicine, 2021, 139, 104994.	3.9	20
51	Deep learning for neuroimaging-based diagnosis and rehabilitation of Autism Spectrum Disorder: A review. Computers in Biology and Medicine, 2021, 139, 104949.	3.9	119
52	An Advanced Generative Deep Learning Framework for Probabilistic Spatio-temporal Wind Power Forecasting. , 2021, , .		3
53	Uncertainty-Aware Semi-Supervised Method Using Large Unlabeled and Limited Labeled COVID-19 Data. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	33
54	A Fast and Reliable Approach for Driving Style Customization in Autonomous Vehicles. , 2021, , .		7

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55	Integration of Deep Sparse Autoencoder and Particle Swarm Optimization to Develop a Recommender System. , 2021, , .		13
56	Deep Representation Learning using Multilayer Perceptron and Stacked Autoencoder for Recommendation Systems. , 2021, , .		14
57	A New Uncertainty-aware Deep Neuroevolution Model for Quantifying Tidal Prediction. , 2021, , .		0
58	A Comprehensive Study on Torchvision Pre-trained Models for Fine-grained Inter-species Classification. , 2021, , .		7
59	Challenges of Internet of Medical Things for Electronic Healthcare. , 2021, , .		4
60	Robust Adaptive Control Scheme for Teleoperation Systems With Delay and Uncertainties. IEEE Transactions on Cybernetics, 2020, 50, 3243-3253.	6.2	71
61	Adaptive Type-2 Fuzzy Neural-Network Control for Teleoperation Systems With Delay and Uncertainties. IEEE Transactions on Fuzzy Systems, 2020, 28, 2543-2554.	6.5	42
62	Model uncertainty quantification for diagnosis of each main coronary artery stenosis. Soft Computing, 2020, 24, 10149-10160.	2.1	22
63	A Survey of Computational Intelligence Techniques for Wind Power Uncertainty Quantification in Smart Grids. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4582-4599.	7.2	67
64	ANN-based prediction intervals to forecast labour productivity. Engineering, Construction and Architectural Management, 2020, 27, 2335-2351.	1.8	16
65	Adaptive Neural Network-based Perception and Awareness of Teleoperation Systems in Human-Machine Interactions. , 2020, , .		1
66	Neural Network Control of Teleoperation Systems with Delay and Uncertainties based on Multilayer Perceptron Estimations. , 2020, , .		3
67	Automated Detection of Presymptomatic Conditions in Spinocerebellar Ataxia Type 2 Using Monte Carlo Dropout and Deep Neural Network Techniques with Electrooculogram Signals. Sensors, 2020, 20, 3032.	2.1	20
68	A weight perturbation-based regularisation technique for convolutional neural networks and the application in medical imaging. Expert Systems With Applications, 2020, 149, 113196.	4.4	28
69	Neuroevolution-based autonomous robot navigation: A comparative study. Cognitive Systems Research, 2020, 62, 35-43.	1.9	36
70	Physical Fatigue Detection Using Entropy Analysis of Heart Rate Signals. Sustainability, 2020, 12, 2714.	1.6	18
71	Neural Network Training Using a Biogeography-Based Learning Strategy. Communications in Computer and Information Science, 2020, , 147-155.	0.4	18
72	Objective measurement of tinnitus using functional near-infrared spectroscopy and machine learning. PLoS ONE, 2020, 15, e0241695.	1.1	33

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73	Robust Collaboration of a Haptically-Enabled Double-Slave Teleoperation System under Random Communication Delays. , 2020, , .		3
74	Autonomous Navigation via Deep Imitation and Transfer Learning: A Comparative Study. , 2020, , .		3
75	A Deep Bayesian Ensembling Framework for COVID-19 Detection using Chest CT Images. , 2020, , .		3
76	Seeded transfer learning for regression problems with deep learning. Expert Systems With Applications, 2019, 115, 565-577.	4.4	44
77	A Cloud Bidding Framework for Deadline Constrained Jobs. , 2019, , .		3
78	Evaluating Architecture Impacts on Deep Imitation Learning Performance for Autonomous Driving. , 2019, , .		10
79	Integration of Ensemble and Evolutionary Machine Learning Algorithms for Monitoring Diver Behavior Using Physiological Signals. IEEE Access, 2019, 7, 98971-98992.	2.6	34
80	Experimental Comparison Study on Joint and Cartesian Space Control Schemes for a Teleoperation System Under Time-Varying Delay. , 2019, , .		11
81	Parsimonious Evolutionary-based Model Development for Detecting Artery Disease. , 2019, , .		16
82	A Knowledge Discovery in Motion Sickness: A Comprehensive Literature Review. IEEE Access, 2019, 7, 85755-85770.	2.6	51
83	Machine learning-based coronary artery disease diagnosis: A comprehensive review. Computers in Biology and Medicine, 2019, 111, 103346.	3.9	131
84	Estimation of prediction interval in ANN-based multi-GCMs downscaling of hydro-climatologic parameters. Journal of Hydrology, 2019, 579, 124226.	2.3	40
85	Adaptive Type-2 Fuzzy Control Scheme for Robust Teleoperation under Time-Varying Delay and Uncertainties. , 2019, , .		4
86	Drivers Awareness Evaluation using Physiological Measurement in a Driving Simulator. , 2019, , .		5
87	Type-2 Fuzzy Neural Network Synchronization of Teleoperation Systems with Delay and Uncertainties. , 2019, , .		4
88	Robust Adaptive Control of Internet-based Bilateral Teleoperation Systems with Time-Varying Delay and Model Uncertainties. , 2019, , .		8
89	Robust Adaptive Synchronisation of a Single-Master Multi-Slave Teleoperation System over Delayed Communication. , 2019, , .		11
90	Probability Density for Amazon Spot Instance Price. , 2019, , .		1

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91	Comparing the performance of different types of distributed fuzzy-based traffic signal controllers. Journal of Intelligent and Fuzzy Systems, 2019, 36, 6155-6166.	0.8	2
92	Probability Density Computation Neural Network for Time Series Data. , 2019, , .		0
93	A GA-Based Pruning Fully Connected Network for Tuned Connections in Deep Networks. , 2019, , .		0
94	Generalized Noise Patterns for (N+1)/N-factor Non-linear Down-sampling. , 2019, , .		0
95	Autonomous Robot Navigation System Using the Evolutionary Multi-Verse optimizer Algorithm. , 2019, , .		23
96	Optimal Autonomous Driving Through Deep Imitation Learning and Neuroevolution. , 2019, , .		19
97	Control Methods for Internet-Based Teleoperation Systems: A Review. IEEE Transactions on Human-Machine Systems, 2019, 49, 32-46.	2.5	76
98	A Predictive KH-Based Model to Enhance the Performance of Industrial Electric Arc Furnaces. IEEE Transactions on Industrial Electronics, 2019, 66, 7976-7985.	5.2	8
99	Batch Mode Query by Committee for Motor Imagery-Based BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 13-21.	2.7	8
100	Evolving Artificial Neural Networks Using Butterfly Optimization Algorithm for Data Classification. Lecture Notes in Computer Science, 2019, , 596-607.	1.0	33
101	A sequential search-space shrinking using CNN transfer learning and a Radon projection pool for medical image retrieval. Expert Systems With Applications, 2018, 100, 224-233.	4.4	84
102	Parallel deep solutions for image retrieval from imbalanced medical imaging archives. Applied Soft Computing Journal, 2018, 63, 197-205.	4.1	49
103	Neural Network Adaptive Control of Teleoperation Systems with Uncertainties and Time-Varying Delay. , 2018, , .		20
104	Drivers Performance Evaluation using Physiological Measurement in a Driving Simulator. , 2018, , .		5
105	Weighted Autocorrelation based Prediction Interval Optimization for Wind Power Generation. , 2018, , .		3
106	Deep Imitation Learning: The Impact of Depth on Policy Performance. Lecture Notes in Computer Science, 2018, , 172-181.	1.0	15
107	Partial Adversarial Training for Prediction Interval. , 2018, , .		11
108	Non-invasive detection of coronary artery disease in high-risk patients based on the stenosis prediction of separate coronary arteries. Computer Methods and Programs in Biomedicine, 2018, 162, 119-127.	2.6	82

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109	Multiclass Informative Instance Transfer Learning Framework for Motor Imagery-Based Brain-Computer Interface. Computational Intelligence and Neuroscience, 2018, 2018, 1-12.	1.1	28
110	Neural Network-Based Uncertainty Quantification: A Survey of Methodologies and Applications. IEEE Access, 2018, 6, 36218-36234.	2.6	150
111	An expert system for selecting wart treatment method. Computers in Biology and Medicine, 2017, 81, 167-175.	3.9	112
112	Reactive Power Compensation in Electric Arc Furnaces Using Prediction Intervals. IEEE Transactions on Industrial Electronics, 2017, 64, 5295-5304.	5.2	21
113	Prediction interval-based controller for Chemical Reactor. , 2017, , .		2
114	Comparative analysis of three approaches of antecedent part generation for an IT2 TSK FLS. Applied Soft Computing Journal, 2017, 51, 130-144.	4.1	6
115	Prediction interval with examples of similar pattern and prediction strength. , 2017, , .		10
116	Medical image analysis using wavelet transform and deep belief networks. Expert Systems With Applications, 2017, 86, 190-198.	4.4	102
117	Influence of meta-heuristic optimization on the performance of adaptive interval type2-fuzzy traffic signal controllers. Expert Systems With Applications, 2017, 71, 493-503.	4.4	19
118	A new PSO-based approach to fire flame detection using K-Medoids clustering. Expert Systems With Applications, 2017, 68, 69-80.	4.4	80
119	A Deep Learning-Based Model for Tactile Understanding on Haptic Data Percutaneous Needle Treatment. Lecture Notes in Computer Science, 2017, , 317-325.	1.0	4
120	A Haptics Feedback Based-LSTM Predictive Model for Pericardiocentesis Therapy Using Public Intraoperative Data. Lecture Notes in Computer Science, 2017, , 810-818.	1.0	5
121	A Swarm Optimization-Based Kmedoids Clustering Technique for Extracting Melanoma Cancer Features. Lecture Notes in Computer Science, 2017, , 307-316.	1.0	2
122	Integration of renewable generation uncertainties into stochastic unit commitment considering reserve and risk: A comparative study. Energy, 2016, 103, 735-745.	4.5	56
123	Optimal design of adaptive type-2 neuro-fuzzy systems: A review. Applied Soft Computing Journal, 2016, 44, 134-143.	4.1	33
124	Prediction interval-based ANFIS controller for nonlinear processes. , 2016, , .		4
125	Coronary artery disease detection using computational intelligence methods. Knowledge-Based Systems, 2016, 109, 187-197.	4.0	104
126	A Wavelet Deep Belief Network-Based Classifier for Medical Images. Lecture Notes in Computer Science, 2016, , 467-474.	1.0	15

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127	A New Fuzzy-Based Combined Prediction Interval for Wind Power Forecasting. IEEE Transactions on Power Systems, 2016, 31, 18-26.	4.6	171
128	Effect of different initializations on EKM algorithm. , 2015, , .		4
129	The impact of FOU size and number of MFs on the prediction performance of Interval Type-2 Fuzzy Logic Systems. , 2015, , .		0
130	An efficient hybrid algorithm for fire flame detection. , 2015, , .		5
131	A New Color Space Based on K-Medoids Clustering for Fire Detection. , 2015, , .		7
132	Prediction interval estimation for wind farm power generation forecasts using support vector machines. , 2015, , .		5
133	Linear approximation of Karnik-Mendel type reduction algorithm. , 2015, , .		1
134	Incorporating Wind Power Forecast Uncertainties Into Stochastic Unit Commitment Using Neural Network-Based Prediction Intervals. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2123-2135.	7.2	88
135	Intelligent cuckoo search optimized traffic signal controllers for multi-intersection network. Expert Systems With Applications, 2015, 42, 4422-4431.	4.4	31
136	EEG signal classification for BCI applications by wavelets and interval type-2 fuzzy logic systems. Expert Systems With Applications, 2015, 42, 4370-4380.	4.4	82
137	Prediction Interval Estimation of Electricity Prices Using PSO-Tuned Support Vector Machines. IEEE Transactions on Industrial Informatics, 2015, 11, 322-331.	7.2	127
138	Medical data classification using interval type-2 fuzzy logic system and wavelets. Applied Soft Computing Journal, 2015, 30, 812-822.	4.1	93
139	Approximation of centroid end-points and switch points for replacing type reduction algorithms. International Journal of Approximate Reasoning, 2015, 66, 39-52.	1.9	2
140	A computational framework for uncertainty integration in stochastic unit commitment with intermittent renewable energy sources. Applied Energy, 2015, 152, 71-82.	5.1	153
141	Feature Selection for Interval Forecasting of Electricity Demand Time Series Data. Springer Series in Bio-/neuroinformatics, 2015, , 445-462.	0.1	9
142	A review on artificial intelligence based load demand forecasting techniques for smart grid and buildings. Renewable and Sustainable Energy Reviews, 2015, 50, 1352-1372.	8.2	682
143	Prediction interval-based neural network controller for nonlinear processes. , 2015, , .		5
144	Improving the Quality of Prediction Intervals Through Optimal Aggregation. IEEE Transactions on Industrial Electronics, 2015, 62, 4420-4429.	5.2	48

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145	Constructing Optimal Prediction Intervals by Using Neural Networks and Bootstrap Method. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1810-1815.	7.2	55
146	Examining performance of aggregation algorithms for neural network-based electricity demand forecasting. International Journal of Electrical Power and Energy Systems, 2015, 64, 1098-1105.	3.3	46
147	Effectiveness of evolutionary algorithms for optimization of heat exchangers. Energy Conversion and Management, 2015, 89, 281-288.	4.4	55
148	A review on computational intelligence methods for controlling traffic signal timing. Expert Systems With Applications, 2015, 42, 1538-1550.	4.4	88
149	Patient admission prediction using a pruned fuzzy min-max neural network with rule extraction. Neural Computing and Applications, 2015, 26, 277-289.	3.2	13
150	Distributed Q-learning Controller for a Multi-Intersection Traffic Network. Lecture Notes in Computer Science, 2015, , 337-344.	1.0	1
151	Prediction Interval-Based Control of Nonlinear Systems Using Neural Networks. Lecture Notes in Computer Science, 2015, , 101-110.	1.0	1
152	Hybrid Controller with the Combination of FLC and Neural Network-Based IMC for Nonlinear Processes. Lecture Notes in Computer Science, 2015, , 206-213.	1.0	0
153	Wind power forecasting using emotional neural networks. , 2014, , .		20
154	Prediction interval estimation for electricity price and demand using support vector machines. , 2014, , .		5
155	An optimized mean variance estimation method for uncertainty quantification of wind power forecasts. International Journal of Electrical Power and Energy Systems, 2014, 61, 446-454.	3.3	43
156	Prediction interval-based neural network modelling of polystyrene polymerization reactor – A new perspective of data-based modelling. Chemical Engineering Research and Design, 2014, 92, 2041-2051.	2.7	26
157	Particle swarm optimization for construction of neural network-based prediction intervals. Neurocomputing, 2014, 127, 172-180.	3.5	95
158	Effects of type reduction algorithms on forecasting accuracy of IT2FLS models. Applied Soft Computing Journal, 2014, 17, 32-38.	4.1	14
159	Load Forecasting Using Interval Type-2 Fuzzy Logic Systems: Optimal Type Reduction. IEEE Transactions on Industrial Informatics, 2014, 10, 1055-1063.	7.2	100
160	Short-Term Load and Wind Power Forecasting Using Neural Network-Based Prediction Intervals. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 303-315.	7.2	469
161	Closure to the Discussion of “Prediction Intervals for Short-Term Wind Farm Generation Forecasts” and “Combined Nonparametric Prediction Intervals for Wind Power Generation” and the Discussion of “Combined Nonparametric Prediction Intervals for Wind Power Generation”. IEEE Transactions on Sustainable Energy, 2014, 5, 1022-1023.	5.9	14
162	A novel fuzzy multi-objective framework to construct optimal prediction intervals for wind power forecast. , 2014, , .		7

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163	An interval type-2 fuzzy logic system-based method for prediction interval construction. Applied Soft Computing Journal, 2014, 24, 222-231.	4.1	14
164	Uncertainty handling using neural network-based prediction intervals for electrical load forecasting. Energy, 2014, 73, 916-925.	4.5	122
165	Prediction interval-based modelling of polymerization reactor: A new modelling strategy for chemical reactors. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2246-2257.	2.7	11
166	A neural network-GARCH-based method for construction of Prediction Intervals. Electric Power Systems Research, 2013, 96, 185-193.	2.1	72
167	Quantifying uncertainties of neural network-based electricity price forecasts. Applied Energy, 2013, 112, 120-129.	5.1	84
168	Construction of neural network-based prediction intervals for short-term electrical load forecasting. , 2013, , .		9
169	Prediction Intervals for Short-Term Wind Farm Power Generation Forecasts. IEEE Transactions on Sustainable Energy, 2013, 4, 602-610.	5.9	204
170	Combined Nonparametric Prediction Intervals for Wind Power Generation. IEEE Transactions on Sustainable Energy, 2013, 4, 849-856.	5.9	94
171	A novel modular Q-learning architecture to improve performance under incomplete learning in a grid soccer game. Engineering Applications of Artificial Intelligence, 2013, 26, 2164-2171.	4.3	7
172	Prediction intervals for electricity load forecasting using neural networks. , 2013, , .		14
173	Feature Selection for Neural Network-Based Interval Forecasting of Electricity Demand Data. Lecture Notes in Computer Science, 2013, , 389-396.	1.0	1
174	Wind farm power uncertainty quantification using a mean-variance estimation method. , 2012, , .		12
175	Prediction interval construction using interval type-2 Fuzzy Logic systems. , 2012, , .		11
176	Construction of neural network-based prediction intervals using particle swarm optimization. , 2012, , .		7
177	Uncertainty quantification for wind farm power generation. , 2012, , .		4
178	Interval Type-2 Fuzzy Logic Systems for Load Forecasting: A Comparative Study. IEEE Transactions on Power Systems, 2012, 27, 1274-1282.	4.6	164
179	Prediction Intervals to Account for Uncertainties in Travel Time Prediction. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 537-547.	4.7	139
180	Comprehensive Review of Neural Network-Based Prediction Intervals and New Advances. IEEE Transactions on Neural Networks, 2011, 22, 1341-1356.	4.8	430

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181	Short term load forecasting using Interval Type-2 Fuzzy Logic Systems. , 2011, , .		23
182	A genetic algorithm-based method for improving quality of travel time prediction intervals. Transportation Research Part C: Emerging Technologies, 2011, 19, 1364-1376.	3.9	75
183	Prediction Interval Construction and Optimization for Adaptive Neurofuzzy Inference Systems. IEEE Transactions on Fuzzy Systems, 2011, 19, 983-988.	6.5	101
184	Lower Upper Bound Estimation Method for Construction of Neural Network-Based Prediction Intervals. IEEE Transactions on Neural Networks, 2011, 22, 337-346.	4.8	509
185	Optimizing the quality of bootstrap-based prediction intervals. , 2011, , .		13
186	A prediction interval-based approach to determine optimal structures of neural network metamodels. Expert Systems With Applications, 2010, 37, 2377-2387.	4.4	80
187	Construction of Optimal Prediction Intervals for Load Forecasting Problems. IEEE Transactions on Power Systems, 2010, 25, 1496-1503.	4.6	195
188	Constructing prediction intervals for neural network metamodels of complex systems. , 2009, , .		12
189	Improving Prediction Interval Quality: A Genetic Algorithm-Based Method Applied to Neural Networks. Lecture Notes in Computer Science, 2009, , 141-149.	1.0	2