

Pk Dash

List of Publications by Year in descending order

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137
papers

5,997
citations

66234

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137
docs citations

137
times ranked

3347
citing authors

#	ARTICLE	IF	CITATIONS
1	Power quality analysis using s-transform. IEEE Transactions on Power Delivery, 2003, 18, 406-411.	2.9	387
2	Frequency estimation of distorted power system signals using extended complex Kalman filter. IEEE Transactions on Power Delivery, 1999, 14, 761-766.	2.9	237
3	Multiresolution S-Transform-Based Fuzzy Recognition System for Power Quality Events. IEEE Transactions on Power Delivery, 2004, 19, 323-330.	2.9	230
4	Power Quality Disturbance Classification Using Fuzzy C-Means Algorithm and Adaptive Particle Swarm Optimization. IEEE Transactions on Industrial Electronics, 2009, 56, 212-220.	5.2	229
5	S-transform-based intelligent system for classification of power quality disturbance signals. IEEE Transactions on Industrial Electronics, 2003, 50, 800-805.	5.2	189
6	An adaptive linear combiner for on-line tracking of power system harmonics. IEEE Transactions on Power Systems, 1996, 11, 1730-1735.	4.6	178
7	Adaptive relay setting for flexible AC transmission systems (FACTS). IEEE Transactions on Power Delivery, 2000, 15, 38-43.	2.9	150
8	An extended complex Kalman filter for frequency measurement of distorted signals. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 746-753.	2.4	149
9	Short-term wind speed and wind power prediction using hybrid empirical mode decomposition and kernel ridge regression. Applied Soft Computing Journal, 2018, 70, 1167-1188.	4.1	149
10	Detection and characterization of multiple power quality disturbances with a fast S-transform and decision tree based classifier. , 2013, 23, 1071-1083.		141
11	A radial basis function neural network controller for UPFC. IEEE Transactions on Power Systems, 2000, 15, 1293-1299.	4.6	121
12	Classification of power system disturbances using a fuzzy expert system and a Fourier linear combiner. IEEE Transactions on Power Delivery, 2000, 15, 472-477.	2.9	120
13	High impedance fault detection in power distribution networks using time-frequency transform and probabilistic neural network. IET Generation, Transmission and Distribution, 2008, 2, 261.	1.4	106
14	A novel fuzzy neural network based distance relaying scheme. IEEE Transactions on Power Delivery, 2000, 15, 902-907.	2.9	103
15	A PSO based integrated functional link net and interval type-2 fuzzy logic system for predicting stock market indices. Applied Soft Computing Journal, 2012, 12, 931-941.	4.1	102
16	Hybrid S-Transform and Kalman Filtering Approach for Detection and Measurement of Short Duration Disturbances in Power Networks. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 588-596.	2.4	101
17	Power quality time series data mining using S-transform and fuzzy expert system. Applied Soft Computing Journal, 2010, 10, 945-955.	4.1	98
18	Hybrid Variational Mode Decomposition and evolutionary robust kernel extreme learning machine for stock price and movement prediction on daily basis. Applied Soft Computing Journal, 2019, 74, 652-678.	4.1	98

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19	Fault classification and location using HS-transform and radial basis function neural network. Electric Power Systems Research, 2006, 76, 897-905.	2.1	96
20	Prediction interval forecasting of wind speed and wind power using modes decomposition based low rank multi-kernel ridge regression. Renewable Energy, 2018, 129, 357-383.	4.3	92
21	A hybrid evolutionary dynamic neural network for stock market trend analysis and prediction using unscented Kalman filter. Applied Soft Computing Journal, 2014, 19, 41-56.	4.1	87
22	Characterization of rice straw from major cultivars for best alternative industrial uses to cutoff the menace of straw burning. Industrial Crops and Products, 2020, 143, 111919.	2.5	85
23	Fast estimation of voltage and current phasors in power networks using an adaptive neural network. IEEE Transactions on Power Systems, 1997, 12, 1494-1499.	4.6	77
24	A self adaptive differential harmony search based optimized extreme learning machine for financial time series prediction. Swarm and Evolutionary Computation, 2014, 19, 25-42.	4.5	77
25	Turn the wheel from waste to wealth: Economic and environmental gain of sustainable rice straw management practices over field burning in reference to India. Science of the Total Environment, 2021, 775, 145896.	3.9	73
26	Modes decomposition method in fusion with robust random vector functional link network for crude oil price forecasting. Applied Soft Computing Journal, 2019, 80, 475-493.	4.1	71
27	A hybrid time-frequency approach based fuzzy logic system for power island detection in grid connected distributed generation. International Journal of Electrical Power and Energy Systems, 2012, 42, 453-464.	3.3	69
28	Estimation of power quality indices in distributed generation systems during power islanding conditions. International Journal of Electrical Power and Energy Systems, 2012, 36, 18-30.	3.3	69
29	Genetically optimized neuro-fuzzy IPFC for damping modal oscillations of power system. IEEE Transactions on Power Systems, 2002, 17, 1140-1147.	4.6	68
30	Variational mode decomposition based low rank robust kernel extreme learning machine for solar irradiation forecasting. Energy Conversion and Management, 2018, 171, 787-806.	4.4	62
31	Harmonic estimation in a power system using adaptive perceptrons. IET Generation, Transmission and Distribution, 1996, 143, 565.	1.1	61
32	Non-stationary power signal processing for pattern recognition using HS-transform. Applied Soft Computing Journal, 2009, 9, 107-117.	4.1	59
33	TS-fuzzy controller for UPFC in a multimachine power system. IET Generation, Transmission and Distribution, 2000, 147, 15.	1.1	58
34	Detection, classification, and location of faults in power transmission lines. International Journal of Electrical Power and Energy Systems, 2015, 67, 76-86.	3.3	56
35	Classification of power quality data using decision tree and chemotactic differential evolution based fuzzy clustering. Swarm and Evolutionary Computation, 2012, 4, 12-24.	4.5	54
36	A real-time short-term load forecasting system using functional link network. IEEE Transactions on Power Systems, 1997, 12, 675-680.	4.6	53

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37	Hybrid signal processing and machine intelligence techniques for detection, quantification and classification of power quality disturbances. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 442-454.	4.3	52
38	Distance relaying for transmission line using support vector machine and radial basis function neural network. <i>International Journal of Electrical Power and Energy Systems</i> , 2007, 29, 551-556.	3.3	49
39	Time-frequency transform approach for protection of parallel transmission lines. <i>IET Generation, Transmission and Distribution</i> , 2007, 1, 30.	1.4	47
40	A fuzzy variable structure controller for STATCOM. <i>Electric Power Systems Research</i> , 2003, 65, 23-34.	2.1	44
41	Power transformer protection using S-transform with complex window and pattern recognition approach. <i>IET Generation, Transmission and Distribution</i> , 2007, 1, 278.	1.4	44
42	Transmission line distance relaying using a variable window short-time Fourier transform. <i>Electric Power Systems Research</i> , 2008, 78, 595-604.	2.1	44
43	A new backstepping finite time sliding mode control of grid connected PV system using multivariable dynamic VSC model. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 82, 314-330.	3.3	44
44	Mining for similarities in time series data using wavelet-based feature vectors and neural networks. <i>Engineering Applications of Artificial Intelligence</i> , 2007, 20, 185-201.	4.3	43
45	Fuzzy neural network and fuzzy expert system for load forecasting. <i>IET Generation, Transmission and Distribution</i> , 1996, 143, 106.	1.1	41
46	NARX model based nonlinear dynamic system identification using low complexity neural networks and robust H _∞ filter. <i>Applied Soft Computing Journal</i> , 2013, 13, 3324-3334.	4.1	41
47	Fast adaptive backstepping terminal sliding mode power control for both the rotor side as well as grid side converter of the doubly fed induction generator based wind farms. <i>IET Renewable Power Generation</i> , 2016, 10, 598-610.	1.7	40
48	A hybrid ant colony optimization technique for power signal pattern classification. <i>Expert Systems With Applications</i> , 2011, 38, 6368-6375.	4.4	39
49	Data decomposition based fast reduced kernel extreme learning machine for currency exchange rate forecasting and trend analysis. <i>Expert Systems With Applications</i> , 2018, 96, 427-449.	4.4	39
50	Power quality event characterization using support vector machine and optimization using advanced immune algorithm. <i>Neurocomputing</i> , 2013, 103, 75-86.	3.5	37
51	High-performance controllers for HVDC transmission links. <i>IET Generation, Transmission and Distribution</i> , 1994, 141, 422.	1.1	35
52	Adaptive VMD based optimized deep learning mixed kernel ELM autoencoder for single and multistep wind power forecasting. <i>Energy</i> , 2022, 244, 122585.	4.5	35
53	A fuzzy self-tuning PI controller for HVDC links. <i>IEEE Transactions on Power Electronics</i> , 1996, 11, 669-679.	5.4	33
54	Wavelet packet-based digital relaying for advanced series compensated line. <i>IET Generation, Transmission and Distribution</i> , 2007, 1, 784.	1.4	33

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55	Peak load forecasting using a fuzzy neural network. Electric Power Systems Research, 1995, 32, 19-23.	2.1	32
56	A new approach to monitoring electric power quality. Electric Power Systems Research, 1998, 46, 11-20.	2.1	32
57	Dynamic phasor and frequency estimation of time-varying power system signals. International Journal of Electrical Power and Energy Systems, 2013, 44, 971-980.	3.3	32
58	Fast generator protection against internal asymmetrical faults. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1977, 96, 1498-1506.	0.4	30
59	Differential equation-based fault locator for unified power flow controller-based transmission line using synchronised phasor measurements. IET Generation, Transmission and Distribution, 2009, 3, 86-98.	1.4	30
60	A new time-frequency approach for distance protection in parallel transmission lines operating with STATCOM. International Journal of Electrical Power and Energy Systems, 2014, 61, 606-619.	3.3	30
61	Adaptive differential relay coordination for PV DC microgrid using a new kernel based time-frequency transform. International Journal of Electrical Power and Energy Systems, 2019, 106, 56-67.	3.3	30
62	Digital Protection of Power Transformer Based on Weighted Least Square Algorithm. IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee, 1982, PAS-101, 4204-4210.	0.4	29
63	Damping of multimodal power system oscillations by FACTS devices using non-linear Takagi-Sugeno fuzzy controller. International Journal of Electrical Power and Energy Systems, 2003, 25, 481-490.	3.3	29
64	Estimation of time-varying power quality indices with an adaptive window-based fast generalised S-transform. IET Science, Measurement and Technology, 2012, 6, 189.	0.9	29
65	A differential harmony search based hybrid interval type2 fuzzy EGARCH model for stock market volatility prediction. International Journal of Approximate Reasoning, 2015, 59, 81-104.	1.9	29
66	A reduced and comprehensible polynomial neural network for classification. Pattern Recognition Letters, 2008, 29, 1705-1712.	2.6	28
67	Adaptive complex unscented Kalman filter for frequency estimation of time-varying signals. IET Science, Measurement and Technology, 2010, 4, 93-103.	0.9	28
68	Short term solar power forecasting using hybrid minimum variance expanded RVFLN and Sine-Cosine Levy Flight PSO algorithm. Renewable Energy, 2021, 174, 513-537.	4.3	28
69	A novel distance protection scheme using time-frequency analysis and pattern recognition approach. International Journal of Electrical Power and Energy Systems, 2007, 29, 129-137.	3.3	26
70	A fast time-frequency transform based differential relaying scheme for UPFC based double-circuit transmission line. International Journal of Electrical Power and Energy Systems, 2016, 77, 404-417.	3.3	26
71	Power signal classification using dynamic wavelet network. Applied Soft Computing Journal, 2009, 9, 118-125.	4.1	25
72	Transmission line distance relaying using machine intelligence technique. IET Generation, Transmission and Distribution, 2008, 2, 53.	1.4	24

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73	Robust estimation of power quality disturbances using unscented H $\hat{\alpha}$ filter. International Journal of Electrical Power and Energy Systems, 2015, 73, 438-447.	3.3	22
74	Fault location estimation for series-compensated double-circuit transmission line using parameter optimized variational mode decomposition and weighted P-norm random vector functional link network. Applied Soft Computing Journal, 2019, 85, 105860.	4.1	22
75	A real-time short-term peak and average load forecasting system using a self-organising fuzzy neural network. Engineering Applications of Artificial Intelligence, 1998, 11, 307-316.	4.3	21
76	Fast adaptive finite-time terminal sliding mode power control for the rotor side converter of the DFIG based wind energy conversion system. Sustainable Energy, Grids and Networks, 2015, 1, 63-84.	2.3	21
77	An evolutionary online sequential extreme learning machine for maximum power point tracking and control in multi-photovoltaic microgrid system. Renewable Energy Focus, 2017, 21, 33-53.	2.2	21
78	Time sequence data mining using time-frequency analysis and soft computing techniques. Applied Soft Computing Journal, 2008, 8, 202-215.	4.1	17
79	Impact of wind farms on disturbance detection and classification in distributed generation using modified Adaline network and an adaptive neuro-fuzzy information system. Applied Soft Computing Journal, 2015, 30, 549-566.	4.1	17
80	A quadratic polynomial signal model and fuzzy adaptive filter for frequency and parameter estimation of nonstationary power signals. Measurement: Journal of the International Measurement Confederation, 2016, 87, 274-293.	2.5	17
81	Simplified Polynomial Neural Network for classification task in data mining. , 2007, , ,		16
82	A hybrid unscented filtering and particle swarm optimization technique for harmonic analysis of nonstationary signals. Measurement: Journal of the International Measurement Confederation, 2010, 43, 1447-1457.	2.5	16
83	Estimation of time varying signal parameters using an improved Adaline learning algorithm. AEU - International Journal of Electronics and Communications, 2014, 68, 115-129.	1.7	16
84	Deep long short term memory based minimum variance kernel random vector functional link network for epileptic EEG signal classification. Engineering Applications of Artificial Intelligence, 2021, 105, 104426.	4.3	16
85	Fuzzy-logic-based VAr stabiliser for power system control. IET Generation, Transmission and Distribution, 1995, 142, 618.	1.1	15
86	A neural network based feedback linearising controller for HVDC links. Electric Power Systems Research, 1999, 50, 125-132.	2.1	15
87	Accurate tracking of harmonic signals in VSC-HVDC systems using PSO based unscented transformation. International Journal of Electrical Power and Energy Systems, 2011, 33, 1315-1325.	3.3	15
88	Differential energy based relaying for thyristor controlled series compensated line. International Journal of Electrical Power and Energy Systems, 2012, 43, 621-629.	3.3	15
89	Real-time Energy Management for PV-battery-wind based microgrid using on-line sequential Kernel Based Robust Random Vector Functional Link Network. Applied Soft Computing Journal, 2021, 101, 107059.	4.1	15
90	Fuzzy gain scheduled PI speed controller for switched reluctance motor drive. , 0, , ,		14

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91	Fast tracking of transient power system signals using fuzzy LMS algorithm. International Journal of Electrical Power and Energy Systems, 1998, 20, 555-561.	3.3	14
92	An effective battery management scheme for wind energy systems using multi Kernel Ridge regression algorithm. Journal of Energy Storage, 2019, 21, 418-434.	3.9	14
93	Multifuse multilayer multikernel RVFLN+ of process modes decomposition and approximate entropy data from iEEG/sEEG signals for epileptic seizure recognition. Computers in Biology and Medicine, 2021, 132, 104299.	3.9	14
94	Fuzzy and neural controllers for dynamic systems: an overview. , 0, , .		13
95	Pattern Classification using Polynomial Neural Network. , 2006, , .		13
96	Dynamic filter weights neural network model integrated with differential evolution for day-ahead price forecasting in energy market. Expert Systems With Applications, 2011, 38, 10974-10982.	4.4	13
97	Experimental investigation of variable structural PID control for switched reluctance motor drives. , 0, , .		12
98	Field programmable gate array implementation of fuzzy variable step size adaptive linear element for adaptive frequency estimation. IET Signal Processing, 2017, 11, 1083-1094.	0.9	12
99	A new Exponentially Expanded Robust Random Vector Functional Link Network based MPPT model for Local Energy Management of PV-Battery Energy Storage Integrated Microgrid. Engineering Applications of Artificial Intelligence, 2020, 91, 103633.	4.3	12
100	Frequency estimation of distorted non-stationary signals using complex H \hat{z} filter. AEU - International Journal of Electronics and Communications, 2012, 66, 267-274.	1.7	11
101	Islanding and non-islanding disturbance detection in microgrid using optimized modes decomposition based robust random vector functional link network. Engineering Applications of Artificial Intelligence, 2019, 85, 122-136.	4.3	11
102	Digital impedance protection of power transmission lines using a spectral observer. IEEE Transactions on Power Delivery, 1988, 3, 102-110.	2.9	9
103	Gain-scheduled PI speed controller for PMSM drive. , 0, , .		9
104	Hybrid Particle Swarm Optimization and Unscented Filtering Technique for Estimation of Non-stationary Signal Parameters. IETE Journal of Research, 2009, 55, 266.	1.8	9
105	A new approach to identification of transient power quality problems using linear combiners. Electric Power Systems Research, 1999, 51, 1-11.	2.1	8
106	Evolutionary extreme learning machine for energy price forecasting. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2016, 20, 75-96.	0.7	8
107	Fault analysis in photovoltaic generation based DC microgrid using multifractal detrended fluctuation analysis. International Transactions on Electrical Energy Systems, 2021, 31, .	1.2	8
108	Design of robust controllers for HVDC links in AC-DC power systems. Electric Power Systems Research, 1995, 33, 201-209.	2.1	7

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109	A signal processing adaptive algorithm for nonstationary power signal parameter estimation. International Journal of Adaptive Control and Signal Processing, 2013, 27, 166-181.	2.3	7
110	Forecasting foreign exchange rates using hybrid functional link RBF neural network and Levenberg-Marquardt learning algorithm. Intelligent Decision Technologies, 2016, 10, 299-313.	0.6	7
111	Hilbert Huang transform with fuzzy rules for feature selection and classification of power quality disturbances. , 2017, , .		7
112	Financial time series prediction using a hybrid functional link fuzzy neural network trained by adaptive unscented kalman filter. , 2015, , .		6
113	An efficient robust optimized functional link broad learning system for solar irradiance prediction. Applied Energy, 2022, 319, 119277.	5.1	6
114	A variable structure VAR stabilizer for power system control. Electric Power Systems Research, 1993, 26, 127-136.	2.1	5
115	Time frequency analysis and power signal disturbance classification using support vector machine and differential evolution algorithm. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2012, 16, 199-214.	0.7	5
116	A low complexity evolutionary computationally efficient recurrent Functional link Neural Network for time series forecasting. , 2015, , .		5
117	A new adaptive integral back stepping fractional order sliding mode control approach for PV and wind with battery system based DC microgrid. Sustainable Energy Technologies and Assessments, 2022, 52, 102261.	1.7	5
118	Estimation of time-varying power quality indices using a computationally efficient algorithm. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1436-1454.	2.5	4
119	Non-stationary power signal classification using local linear radial basis function neural networks. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2009, 13, 79-90.	0.7	3
120	Damping interarea oscillations in power systems using finite time terminal sliding mode control of the unified power flow controller. International Journal of Power and Energy Conversion, 2016, 7, 259.	0.2	3
121	Stability assessment and optimal state-feedback system design for PQ-Vf coordination in a PV/DFIG/DSG based microgrid. Renewable Energy Focus, 2018, 27, 14-32.	2.2	3
122	Nonstationary signal pattern recognition using fast time-time filtering and decision tree. Journal of Intelligent and Fuzzy Systems, 2014, 27, 1361-1373.	0.8	2
123	A hybrid decision tree and new frequency filtering S-transform for simultaneous power signal disturbance pattern recognition. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2014, 18, 229-245.	0.7	2
124	Software technique for a microcomputer-based digital instrumentation scheme using functional expansion. Microprocessors and Microsystems, 1985, 9, 218-225.	1.8	1
125	A microcomputer based adaptive regulator for power system applications. Computers and Electrical Engineering, 1987, 13, 195-205.	3.0	1
126	A new approach to monitoring power quality problems in power supply networks. , 0, , .		1

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127	Estimation of power quality using Complex H _∞ Filter. , 2009, , .		1
128	TT-ACO based power signal classifier. , 2009, , .		1
129	Time series forecasting using Fuzzy Functional link neural network trained by improved second order Levenberg-Marquardt algorithm. , 2015, , .		1
130	Diagnosing utility grid disturbances in photovoltaic integrated DC microgrid using adaptive multiscale morphology with DFA analysis. Sustainable Energy, Grids and Networks, 2022, 29, 100574.	2.3	1
131	Spectral observation of power network signals for digital signal processing. Microprocessors and Microsystems, 1984, 8, 475-480.	1.8	0
132	A software design for microcomputer based digital instrumentation scheme using a spectral observer. Computers and Electrical Engineering, 1994, 20, 467-478.	3.0	0
133	Frequency estimation of non-stationary signals using complex H _∞ filter. , 2011, , .		0
134	A PSO based time series data clustering using modified S-transform for data mining. International Journal of Data Mining, Modelling and Management, 2011, 3, 277.	0.1	0
135	Location of fault on UPFC based transmission lines using sparse S-Transform. , 2015, , .		0
136	A low rank robust kernel ridge regression classifier for power quality disturbance pattern recognition. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2020, 23, 219-240.	0.7	0
137	An Chaotic Pseduo Inverse Polynomial Perceptron Network for Short Term Solar Power Prediction. , 2021, , .		0