Ganapati K Panda

List of Publications by Year
in descending order

208 papers	6,504 citations	81743 39 h-index	76769 74 g-index
208 all docs	208 docs citations	208 times ranked	4190 citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on nature inspired metaheuristic algorithms for partitional clustering. Swarm and Evolutionary Computation, 2014, 16, 1-18.	4.5	450
2	Power quality analysis using s-transform. IEEE Transactions on Power Delivery, 2003, 18, 406-411.	2.9	387
3	Fault Classification and Section Identification of an Advanced Series-Compensated Transmission Line Using Support Vector Machine. IEEE Transactions on Power Delivery, 2007, 22, 67-73.	2.9	251
4	Frequency estimation of distorted power system signals using extended complex Kalman filter. IEEE Transactions on Power Delivery, 1999, 14, 761-766.	2.9	237
5	Active Mitigation of Nonlinear Noise Processes Using a Novel Filtered-s LMS Algorithm. IEEE Transactions on Speech and Audio Processing, 2004, 12, 313-322.	2.0	219
6	Solving multiobjective problems using cat swarm optimization. Expert Systems With Applications, 2012, 39, 2956-2964.	4.4	203
7	IIR system identification using cat swarm optimization. Expert Systems With Applications, 2011, 38, 12671-12683.	4.4	198
8	A novel feature representation method based on Chou's pseudo amino acid composition for protein structural class prediction. Computational Biology and Chemistry, 2010, 34, 320-327.	1.1	191
9	Adaptive relay setting for flexible AC transmission systems (FACTS). IEEE Transactions on Power Delivery, 2000, 15, 38-43.	2.9	150
10	An extended complex Kalman filter for frequency measurement of distorted signals. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 746-753.	2.4	149
11	Development and performance evaluation of FLANN based model for forecasting of stock markets. Expert Systems With Applications, 2009, 36, 6800-6808.	4.4	148
12	Advances in active noise control: A survey, with emphasis on recent nonlinear techniques. Signal Processing, 2013, 93, 363-377.	2.1	139
13	Efficient prediction of stock market indices using adaptive bacterial foraging optimization (ABFO) and BFO based techniques. Expert Systems With Applications, 2009, 36, 10097-10104.	4.4	126
14	A radial basis function neural network controller for UPFC. IEEE Transactions on Power Systems, 2000, 15, 1293-1299.	4.6	121
15	Artificial neural network-based nonlinearity estimation of pressure sensors. IEEE Transactions on Instrumentation and Measurement, 1994, 43, 874-881.	2.4	113
16	Power quality disturbance data compression, detection, and classification using integrated spline wavelet and S-transform. IEEE Transactions on Power Delivery, 2003, 18, 595-600.	2.9	113
17	A novel fuzzy neural network based distance relaying scheme. IEEE Transactions on Power Delivery, 2000, 15, 902-907.	2.9	103
18	An intelligent pressure sensor using neural networks. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 829-834.	2.4	100

#	Article	IF	Citations
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	Application of minimal radial basis function neural network to distance protection. IEEE Transactions on Power Delivery, 2001, 16, 68-74.	2.9	85
21	Efficient prediction of exchange rates with low complexity artificial neural network models. Expert Systems With Applications, 2009, 36, 181-189.	4.4	85
22	A robust filtered-s LMS algorithm for nonlinear active noise control. Applied Acoustics, 2012, 73, 836-841.	1.7	82
23	A Particle-Swarm-Optimization-Based Decentralized Nonlinear Active Noise Control System. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3378-3386.	2.4	69
24	Damping multimodal power system oscillation using a hybrid fuzzy controller for series connected FACTS devices. IEEE Transactions on Power Systems, 2000, 15, 1360-1366.	4.6	68
25	Forecasting of currency exchange rates using an adaptive ARMA model with differential evolution based training. Journal of King Saud University - Computer and Information Sciences, 2014, 26, 7-18.	2.7	64
26	Automatic clustering algorithm based on multi-objective Immunized PSO to classify actions of 3D human models. Engineering Applications of Artificial Intelligence, 2013, 26, 1429-1441.	4.3	63
27	Application of a multivariable feedback linearization scheme for STATCOM control. Electric Power Systems Research, 2002, 62, 81-91.	2.1	58
28	Particle Swarm Optimization Based Active Noise Control Algorithm Without Secondary Path Identification. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 554-563.	2.4	55
29	Improved identification of Hammerstein plants using new CPSO and IPSO algorithms. Expert Systems With Applications, 2010, 37, 6818-6831.	4.4	52
30	Detection of COVID-19 from speech signal using bio-inspired based cepstral features. Pattern Recognition, 2021, 117, 107999.	5.1	51
31	Distance relaying for transmission line using support vector machine and radial basis function neural network. International Journal of Electrical Power and Energy Systems, 2007, 29, 551-556.	3.3	49
32	New block filtered-X LMS algorithms for active noise control systems. IET Signal Processing, 2007, 1, 73-81.	0.9	48
33	Robust identification of nonlinear complex systems using low complexity ANN and particle swarm optimization technique. Expert Systems With Applications, 2011, 38, 321-333.	4.4	48
34	Heart disease detection using deep learning methods from imbalanced ECG samples. Biomedical Signal Processing and Control, 2021, 68, 102820.	3.5	48
35	Time–frequency transform approach for protection of parallel transmission lines. IET Generation, Transmission and Distribution, 2007, 1, 30.	1.4	47
36	A comparative performance assessment of a set of multiobjective algorithms for constrained portfolio assets selection. Swarm and Evolutionary Computation, 2014, 16, 38-51.	4.5	46

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37	A Multiobjective Optimization Based Fast and Robust Design Methodology for Low Power and Low Phase Noise Current Starved VCO. IEEE Transactions on Semiconductor Manufacturing, 2014, 27, 43-50.	1.4	46
38	Power transformer protection using S-transform with complex window and pattern recognition approach. IET Generation, Transmission and Distribution, 2007, 1, 278.	1.4	44
39	Connectivity constrained wireless sensor deployment using multiobjective evolutionary algorithms and fuzzy decision making. Ad Hoc Networks, 2012, 10, 1134-1145.	3.4	44
40	Data compression of power quality events using the slantlet transform. IEEE Transactions on Power Delivery, 2002, 17, 662-667.	2.9	42
41	Identification of Protein-Coding Regions in DNA Sequences Using A Time-Frequency Filtering Approach. Genomics, Proteomics and Bioinformatics, 2011, 9, 45-55.	3.0	41
42	On the development of adaptive hybrid active noise control system for effective mitigation of nonlinear noise. Signal Processing, 2012, 92, 509-516.	2.1	41
43	Design of computationally efficient density-based clustering algorithms. Data and Knowledge Engineering, 2015, 95, 23-38.	2.1	38
44	New Binary Hausdorff Symmetry measure based seeded region growing for retinal vessel segmentation. Biocybernetics and Biomedical Engineering, 2016, 36, 119-129.	3.3	38
45	Lane detection under artificial colored light in tunnels and on highways: an IoT-based framework for smart city infrastructure. Complex & Intelligent Systems, 2023, 9, 3601-3612.	4.0	37
46	Development of efficient identification scheme for nonlinear dynamic systems using swarm intelligence techniques. Expert Systems With Applications, 2010, 37, 556-566.	4.4	36
47	An Improved S-Transform for Time-Frequency Analysis. , 2009, , .		35
48	A Novel Method of Extending the Linearity Range of Linear Variable Differential Transformer Using Artificial Neural Network. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 947-953.	2.4	35
49	Handwritten numeral recognition using non–redundant Stockwell transform and bio–inspired optimal zoning. IET Image Processing, 2015, 9, 874-882.	1.4	34
50	Prioritizing barriers in reverse logistics of E-commerce supply chain using fuzzy-analytic hierarchy process. Electronic Commerce Research, 2020, 20, 381-403.	3.0	33
51	Distribution system planning considering reliable feeder routing. IET Generation, Transmission and Distribution, 2012, 6, 503.	1.4	32
52	New robust forecasting models for exchange rates prediction. Expert Systems With Applications, 2012, 39, 12658-12670.	4.4	32
53	A self-orthogonalizing efficient block adaptive filter. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1986, 34, 1573-1582.	2.0	31
54	Comparative performance analysis of evolutionary algorithm based parameter optimization in cognitive radio engine: A survey. Ad Hoc Networks, 2014, 17, 129-146.	3.4	31

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55	Distance protection in the presence of unified power flow controller. Electric Power Systems Research, 2000, 54, 189-198.	2.1	30
56	Fault tolerant distributed estimation in wireless sensor networks. Journal of Network and Computer Applications, 2016, 69, 27-39.	5.8	30
57	Multivariable nonlinear control of STATCOM for synchronous generator stabilization. International Journal of Electrical Power and Energy Systems, 2004, 26, 37-48.	3.3	29
58	A reduced and comprehensible polynomial neural network for classification. Pattern Recognition Letters, 2008, 29, 1705-1712.	2.6	28
59	Prediction based mean-variance model for constrained portfolio assets selection using multiobjective evolutionary algorithms. Swarm and Evolutionary Computation, 2016, 28, 117-130.	4.5	28
60	Distributed DOA estimation using clustering of sensor nodes and diffusion PSO algorithm. Swarm and Evolutionary Computation, 2013, 9, 47-57.	4.5	27
61	Performance Evaluation of a New BP Algorithm for a Modified Artificial Neural Network. Neural Processing Letters, 2020, 51, 1869-1889.	2.0	26
62	An integrated data compression scheme for power quality events using spline wavelet and neural network. Electric Power Systems Research, 2004, 69, 213-220.	2.1	25
63	Efficient Localization of Hot Spots in Proteins Using a Novel S-Transform Based Filtering Approach. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 1235-1246.	1.9	25
64	Particle swarm optimized multiple regression linear model for data classification. Applied Soft Computing Journal, 2009, 9, 470-476.	4.1	24
65	Robust and accurate optic disk localization using vessel symmetry line measure in fundus images. Biocybernetics and Biomedical Engineering, 2017, 37, 466-476.	3.3	24
66	A Review of Independent Component Analysis Techniques and their Applications. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2008, 25, 320.	2.1	23
67	Pareto optimization of cognitive radio parameters using multiobjective evolutionary algorithms and fuzzy decision making. Swarm and Evolutionary Computation, 2012, 7, 7-20.	4.5	22
68	Effects of finite register length on fast ICA, bacterial foraging optimization based ICA and constrained genetic algorithm based ICA algorithm. , 2010, 20, 964-975.		21
69	Particle swarm optimization based nonlinear active noise control under saturation nonlinearity. Applied Soft Computing Journal, 2016, 41, 275-289.	4.1	21
70	Deep Neural Network and Extreme Gradient Boosting Based Hybrid Classifier for Improved Prediction of Protein-Protein Interaction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 155-165.	1.9	21
71	Active control of nonlinear noise processes using cascaded adaptive nonlinear filter. Applied Acoustics, 2013, 74, 217-222.	1.7	20
72	Constrained portfolio asset selection using multiobjective bacteria foraging optimization. Operational Research, 2014, 14, 113-145.	1.3	19

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73	PSO based adaptive narrowband ANC algorithm without the use of synchronization signal and secondary path estimate. Mechanical Systems and Signal Processing, 2019, 114, 378-398.	4.4	19
74	Deep convolutional neural network-based patch classification for retinal nerve fiber layer defect detection in early glaucoma. Journal of Medical Imaging, 2018, 5, 1.	0.8	19
75	Multi-objective particle swarm optimization approach to portfolio optimization. , 2009, , .		18
76	A robust evolutionary feedforward active noise control system using Wilcoxon norm and particle swarm optimization algorithm. Expert Systems With Applications, 2012, 39, 7574-7580.	4.4	18
77	Distributed and robust parameter estimation of IIR systems using incremental particle swarm optimization. , 2013, 23, 1303-1313.		18
78	Cooperative spectrum sensing in cognitive radio network using multiobjective evolutionary algorithms and fuzzy decision making. Ad Hoc Networks, 2013, 11, 1022-1036.	3.4	18
79	BESAC: Binary External Symmetry Axis Constellation for unconstrained handwritten character recognition. Pattern Recognition Letters, 2016, 83, 413-422.	2.6	18
80	Odia character recognition: a directional review. Artificial Intelligence Review, 2017, 48, 473-497.	9.7	18
81	Image Encryption by Novel Cryptosystem Using Matrix Transformation. , 2008, , .		17
82	Unconstrained handwritten digit recognition using perceptual shape primitives. Pattern Analysis and Applications, 2018, 21, 413-436.	3.1	17
83	De-Correlated Improved Adaptive Exponential FLAF-Based Nonlinear Adaptive Feedback Cancellation for Hearing Aids. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 650-662.	3.5	16
84	On the Linear Antenna Array Synthesis Techniques for Sum and Difference Patterns Using Flower Pollination Algorithm. Arabian Journal for Science and Engineering, 2018, 43, 3965-3977.	1.7	16
85	On the Classification of MR Images Using â€œELM-SSAâ€•Coated Hybrid Model. Mathematics, 2021, 9, 2095.	1.1	16
86	A fast and accurate distance relaying scheme using an efficient radial basis function neural network. Electric Power Systems Research, 2001, 60, 1-8.	2.1	15
87	Distributed bearing estimation technique using diffusion particle swarm optimisation algorithm. IET Wireless Sensor Systems, 2012, 2, 385-393.	1.3	15
88	A tri-stage cluster identification model for accurate analysis of seismic catalogs. Nonlinear Processes in Geophysics, 2013, 20, 143-162.	0.6	15
89	Automated retinal nerve fiber layer defect detection using fundus imaging in glaucoma. Computerized Medical Imaging and Graphics, 2018, 66, 56-65.	3.5	15
90	Improved Identification of Nonlinear MIMO Plants using New Hybrid FLANN-AIS Model. , 2009, , .		14

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91	Recurrent neural network based retinal nerve fiber layer defect detection in early glaucoma. , 2017, , .		14
92	Energy Efficient Layout for a Wireless Sensor Network using Multi-Objective Particle Swarm Optimization. , 2009, , .		13
93	Hybrid approach using KPSO and RLS for RBFNN design for breast cancer detection. Neural Computing and Applications, 2014, 24, 745-753.	3.2	13
94	Error Saturation Nonlinearities for Robust Incremental LMS over Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2015, 11, 1-20.	2.3	13
95	Computationally efficient algorithm for high sampling-frequency operation of active noise control. Mechanical Systems and Signal Processing, 2015, 56-57, 302-319.	4.4	13
96	Development and assessment of machine learning based heart disease detection using imbalanced heart sound signal. Biomedical Signal Processing and Control, 2022, 76, 103730.	3.5	13
97	Development of an efficient hybrid model for range sidelobe suppression in pulse compression radar. Aerospace Science and Technology, 2013, 27, 156-162.	2.5	12
98	A robust adaptive hybrid feedback cancellation scheme for hearing aids in the presence of outliers. Applied Acoustics, 2016, 102, 146-155.	1.7	12
99	Mean curvature and texture constrained composite weighted random walk algorithm for optic disc segmentation towards glaucoma screening. Healthcare Technology Letters, 2018, 5, 31-37.	1.9	12
100	On the Development and Performance Evaluation of Improved Radial Basis Function Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3873-3884.	5.9	12
101	Identification of Glacial Isostatic Adjustment in Eastern Canada Using S Transform Filtering of GPS Observations. Pure and Applied Geophysics, 2012, 169, 1507-1517.	0.8	11
102	Development and performance evaluation of neural network classifiers for Indian internet shoppers. Expert Systems With Applications, 2012, 39, 2112-2118.	4.4	11
103	Development of robust distributed learning strategies for wireless sensor networks using rank based norms. Signal Processing, 2014, 101, 218-228.	2.1	11
104	Hardware Design for VLSI Implementation ofÂFxLMS- and FsLMS-Based Active Noise Controllers. Circuits, Systems, and Signal Processing, 2017, 36, 447-473.	1.2	11
105	Fast and improved backpropagation learning of multiâ€layer artificial neural network using adaptive activation function. Expert Systems, 2020, 37, e12555.	2.9	11
106	A Cybertwin-Based 6G Cooperative IoE Communication Network: Secrecy Outage Analysis. IEEE Transactions on Industrial Informatics, 2022, 18, 4922-4932.	7.2	11
107	Development of Frequency Domain Block Filtered-s LMS (FBFSLMS) Algorithm for Active Noise Control System. , 0, , .		10
108	Development of immunized pso algorithm and its application to hammerstein model identification. , 2009, , .		10

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109	Robust incremental adaptive strategies for distributed networks to handle outliers in both input and desired data. Signal Processing, 2014, 96, 300-309.	2.1	10
110	H-S-X Cryptosystem and Its Application to Image Encryption. , 2009, , .		9
111	Non-redundant stockwell transform based feature extraction for handwritten digit recognition. , 2014, , .		9
112	Reduced complexity diffusion filtered x least mean square algorithm for distributed active noise cancellation. Signal, Image and Video Processing, 2019, 13, 447-455.	1.7	9
113	GlaucoNet: Patch-Based Residual Deep Learning Network for Optic Disc and Cup Segmentation Towards Glaucoma Assessment. SN Computer Science, 2021, 2, 1.	2.3	9
114	Real-Time Identification of Fuzzy PID-Controlled Maglev System using TLBO-Based Functional Link Artificial Neural Network. Arabian Journal for Science and Engineering, 2021, 46, 4103-4118.	1.7	9
115	Deep learning in astronomy: a tutorial perspective. European Physical Journal: Special Topics, 2021, 230, 2285-2317.	1.2	9
116	An exhaustive review of machine and deep learning based diagnosis of heart diseases. Multimedia Tools and Applications, 2022, 81, 36069-36127.	2.6	9
117	A transform domain circular convolution algorithm for adaptive filtering. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1987, 35, 1217-1220.	2.0	8
118	Maximum likelihood DOA estimation in distributed wireless sensor network using adaptive particle swarm optimization. , 2011, , .		8
119	Direct and Inverse Modeling of Plants Using Cat Swarm Optimization. Adaptation, Learning, and Optimization, 2011, , 469-485.	0.5	8
120	QR-based incremental minimum-Wilcoxon-norm strategies for distributed wireless sensor networks. Signal Processing, 2012, 92, 2657-2667.	2.1	8
121	On distributed non‑linear active noise control using diffusion collaborative learning strategy. IET Signal Processing, 2018, 12, 410-421.	0.9	8
122	Zero attracting proportionate normalized subband adaptive filtering technique for feedback cancellation in hearing aids. Applied Acoustics, 2019, 149, 39-45.	1.7	8
123	Improved phase aware speech enhancement using bio-inspired and ANN techniques. Analog Integrated Circuits and Signal Processing, 2020, 102, 465-477.	0.9	8
124	Improved Spatial Information Based Semisupervised Classification of Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 329-340.	2.3	8
125	An Efficient Approach to Signal Compression using Slantlet Transform. IETE Journal of Research, 2000, 46, 299-307.	1.8	7
126	Identification of IIR systems using comprehensive learning particle swarm optimisation. International Journal of Power and Energy Conversion, 2009, 1, 105.	0.2	7

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127	A multiobjective optimization approach to determine the parameters of stepped frequency pulse train. Aerospace Science and Technology, 2013, 24, 101-110.	2.5	7
128	Hausdorff symmetry operator towards retinal blood vessel segmentation. , 2014, , .		7
129	Information Combining Schemes for Cooperative Spectrum Sensing: A Survey and Comparative Performance Analysis. Wireless Personal Communications, 2017, 94, 685-711.	1.8	7
130	Improved heart disease detection from ECG signal using deep learning based ensemble model. Sustainable Computing: Informatics and Systems, 2022, 35, 100732.	1.6	7
131	Invertible, Involutory and Permutation Matrix Generation Methods for Hill Cipher System. , 2009, , .		6
132	On deep ensemble CNNâ€"SAE based novel agro-market price forecasting. Evolutionary Intelligence, 2021, 14, 851-862.	2.3	6
133	Machine Learning Based Improved Malware Detection Schemes. , 2021, , .		6
134	On the effect of correlation between truncation errors in fixed-point error analysis of Winograd short-length DFT algorithms. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1982, 30, 100-104.	2.0	5
135	Development of Novel Digital Equalizers for Noisy Nonlinear Channel using Artificial Immune System. , 2008, , .		5
136	Improved identification of nonlinear dynamic systems using Artificial Immune System. , 2008, , .		5
137	Efficient sales forecasting using PSO based adaptive ARMA model. , 2009, , .		5
138	Development and performance evaluation of generalised Doppler compensated adaptive pulse compression algorithm. IET Radar, Sonar and Navigation, 2014, 8, 297-306.	0.9	5
139	Gestalt configural superiority effect: A complexity paradigm for handwritten numeral recognition. , 2015, , .		5
140	An improved block adaptive system for effective feedback cancellation in hearing aids. , 2016, 48, 216-225.		5
141	Hardware Design for VLSI Implementation of Acoustic Feedback Canceller in Hearing Aids. Circuits, Systems, and Signal Processing, 2018, 37, 1383-1406.	1.2	5
142	Bioâ€inspired evolutionary computing approach for distributed active noise control problem. Cognitive Computation and Systems, 2020, 2, 57-65.	0.8	5
143	Incremental Learning Based Adaptive Filter for Nonlinear Distributed Active Noise Control System. IEEE Open Journal of Signal Processing, 2020, 1, 1-13.	2.3	5
144	Multi-objective Approach to Speech Enhancement Using Tunable Q-Factor-based Wavelet Transform and ANN Techniques. Circuits, Systems, and Signal Processing, 2021, 40, 6067-6097.	1.2	5

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145	Error analysis of Good-Winograd algorithm assuming correlated truncation errors. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1983, 31, 508-512.	2.0	4
146	Novel recursive algorithm and highly compact semisystolic architecture for high throughput computation of 2-D DHT. Electronics Letters, 1993, 29, 883-885.	0.5	4
147	A Novel Scheme of Data Compression and Reconstruction using Multilayer Artificial Neural Network. IETE Journal of Research, 1995, 41, 329-334.	1.8	4
148	A combined Sâ€transform and fuzzy expert system for phase selection in digital relaying. European Transactions on Electrical Power, 2008, 18, 448-460.	1.0	4
149	Improved protein structural class prediction using genetic algorithm and artificial immune system. , 2009, , .		4
150	Sign-Regressor Wilcoxon and Sign-Sign Wilcoxon. , 2010, , .		4
151	A correlation based stochastic partitional algorithm for accurate cluster analysis. International Journal of Signal and Imaging Systems Engineering, 2013, 6, 52.	0.6	4
152	Development of a novel robust identification scheme for nonlinear dynamic systems. International Journal of Adaptive Control and Signal Processing, 2015, 29, 385-406.	2.3	4
153	On new efficient Î¼ â€lawâ€based method for feedback compensation in hearing aids. Electronics Letters, 2016, 52, 1200-1202.	0.5	4
154	S-transformation based integrated approach for spectrum estimation, storage, and sensing in cognitive radio. Digital Communications and Networks, 2019, 5, 160-169.	2.7	4
155	An improved and low-complexity neural network model for curved lane detection of autonomous driving system. Soft Computing, 2023, 27, 493-504.	2.1	4
156	Generation of Pulse Compression Codes Using NSGA-II. , 2009, , .		3
157	Efficient design of pulse compression codes using multiobjective genetic algorithm. , 2009, , .		3
158	Multi-objective evolutionary algorithms for financial portfolio design. International Journal of Computational Vision and Robotics, 2010, 1, 236.	0.2	3
159	Performance Evaluation of Particle Swarm Optimization Based Active Noise Control Algorithm. Lecture Notes in Computer Science, 2010, , 531-536.	1.0	3
160	Development of low complexity evolutionary computing based nonlinear active noise control systems. , 2011, , .		3
161	Development of a novel narrowband active noise controller in presence of sensor error. , 2014, , .		3
162	Individual-activation-factor based novel approach for acoustic feedback suppression in hearing aid. Applied Acoustics, 2017, 127, 74-79.	1.7	3

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163	Development of statistical estimators for speech enhancement using multi-objective grey wolf optimizer. Evolutionary Intelligence, 2021, 14, 767-778.	2.3	3
164	Reduction of side lobes in the entire azimuth plane in a planar elliptical array antenna. International Journal of Communication Systems, 2022, 35, .	1.6	3
165	Efficient scheme of pole-zero system identification based on multilayer neural network. Electronics Letters, 1993, 29, 73-75.	0.5	2
166	Development of New Neural Adaptive Equalisers and their Performance Comparison with Existing Techniques. IETE Journal of Research, 1996, 42, 237-254.	1.8	2
167	Adaptive Filter based Active Noise Controller under Acoustic Feedback. IETE Journal of Research, 2003, 49, 439-444.	1.8	2
168	Development of a New Optimization Algorithm Based on Artificial Immune System and Its Application. , 2008, , .		2
169	Development of a nonlinear model of unijunction transistor using artificial immune system. , 2009, , .		2
170	A Recurrent Neural Network Approach to Pulse Radar Detection. , 2009, , .		2
171	Forecasting of retail sales data using differential evolution. , 2009, , .		2
172	Comparative performance evaluation of multiobjective optimization algorithms for portfolio management. , 2009, , .		2
173	Robust Distributed Optimization in Wireless Sensor Network. , 2009, , .		2
174	An efficient hybrid adaptive pulse compression approach to radar detection. , 2013, , .		2
175	Suppression of grating lobes in stepped frequency LFM pulse train using PSO. Aerospace Science and Technology, 2014, 39, 338-341.	2.5	2
176	Robust feedback cancellation in hearing aids in the presence of outliers. , 2014, , .		2
177	Low complexity distributed active noise control using secondary path constraints. , 2016, , .		2
178	Comprehensive review of computational intelligence based smart city community. Journal of Intelligent and Fuzzy Systems, 2021, 41, 975-991.	0.8	2
179	Development of an Adaptive Block Filter Structure using Rectangular Transform. IETE Journal of Research, 1998, 44, 109-123.	1.8	1
180	A Novel Filtering Scheme for Impulse Noise Cancellation. IETE Journal of Research, 2002, 48, 163-170.	1.8	1

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181	An Efficient Hybrid Image Compression Scheme using DWT and ANN Techniques. IETE Journal of Research, 2006, 52, 17-26.	1.8	1
182	Improved Adaptive Impulsive Noise Suppression. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	1
183	Robust Distributed Learning in Wireless Sensor Network using Efficient Step Size. Procedia Technology, 2012, 6, 864-871.	1.1	1
184	Multiobjective cooperative spectrum sensing in cognitive radio using cat swarm optimization. , 2012, , .		1
185	Development and performance evaluation of an improved complex valued radar pulse compressor. Engineering Applications of Artificial Intelligence, 2013, 26, 2653-2660.	4.3	1
186	Analysis and design of 1 GHz PLL for fast phase and frequency acquisition. International Journal of Signal and Imaging Systems Engineering, 2014, 7, 30.	0.6	1
187	A VSS sparseness controlled algorithm for feedback suppression in hearing aids. , 2015, , .		1
188	A new evolving-update-based feedback cancellation scheme for hearing aids. Signal, Image and Video Processing, 2018, 12, 731-738.	1.7	1
189	Proportionate subband filtering technique with l_{1}-norm for feedback cancellation in hearing aids. , 2018, , .		1
190	Development of FLANN Based Multireference Active Noise Controllers for Nonlinear Acoustic Noise Processes. Lecture Notes in Computer Science, 2004, , 1198-1203.	1.0	1
191	Energy-based virtual screening of drugs documented for schizophrenia against DRD2 and HTR2A. International Journal of Computational Vision and Robotics, 2022, 12, 53.	0.2	1
192	Correction to "On the effect of correlation between truncation errors in fixed-point error analysis of Winograd short-length DFT algorithms". IEEE Transactions on Acoustics, Speech, and Signal Processing, 1982, 30, 681-681.	2.0	0
193	Performance Evaluation of an Equalizer using BLMS Adaptive Algorithm under Constrained Word Length. IETE Journal of Research, 1993, 39, 135-139.	1.8	0
194	On the Development of an Intelligent Sensor using Nonlinear Identification and ANN Techniques. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 1996, 13, 247-255.	2.1	0
195	Invariant to Character Rotation using Self Organizing Fuzzy Neural Network. IETE Journal of Research, 1997, 43, 443-448.	1.8	0
196	Electronic Money: An Essence of E-Commerce. IETE Technical Review (Institution of Electronics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	0
197	Higher Order Statistics for Estimation of Degree of Noncausality in Active Noise Control System. IETE Journal of Research, 2003, 49, 251-257.	1.8	0
198	A new approach for identification of hot spots in proteins using S-Transform filtering. , 2009, , .		0

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199	Sidelobe suppression using convolutional windows in radar. International Journal of Signal and Imaging Systems Engineering, 2012, 5, 253.	0.6	0
200	A sparse improved gradient controlled method for feedback cancellation in hearing aid. , 2015, , .		0
201	A low complexity delayless frequency domain feedback canceller for hearing aids. , 2015, , .		0
202	Efficient design of radar waveforms using novel multiobjective optimization technique. , 2015, , .		0
203	Constrained LMMSEâ€based objectâ€specific reconstruction in compressive sensing. IET Signal Processing, 2017, 11, 1122-1127.	0.9	0
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