Satyasai Jagannath Nanda

List of Publications by Year
in descending order

93 papers	1,300 citations	566801 15 h-index	395343 33 g-index
95 all docs	95 docs citations	95 times ranked	1035 citing authors

#	Article	IF	Citations
1	Earthquake pattern analysis using subsequence time series clustering. Pattern Analysis and Applications, 2023, 26, 19-37.	3.1	6
2	A parallel chaotic sailfish optimization algorithm for estimation of DOA in wireless sensor array. Physical Communication, 2022, 51, 101536.	1.2	8
3	Objective reduction in many-objective optimization with social spider algorithm for cloud detection in satellite images. Soft Computing, 2022, 26, 2935-2958.	2.1	1
4	Solving time varying many-objective TSP with dynamic λ-NSGA-III algorithm. Applied Soft Computing Journal, 2022, 118, 108493.	4.1	12
5	A multi-objective chimp optimization algorithm for seismicity de-clustering. Applied Soft Computing Journal, 2022, 121, 108742.	4.1	7
6	Cloud detection in satellite images with classical and deep neural network approach: A review. Multimedia Tools and Applications, 2022, 81, 31847-31880.	2.6	10
7	Identification of characteristics frequency and hot-spots in protein sequence of COVID-19 disease. Biomedical Signal Processing and Control, 2022, , 103909.	3.5	2
8	Seismicity analysis using space-time density peak clustering method. Pattern Analysis and Applications, 2021, 24, 181-201.	3.1	8
9	A high speed roller dung beetles clustering algorithm and its architecture for real-time image segmentation. Applied Intelligence, 2021, 51, 4682-4713.	3.3	10
10	Clustering High-Dimensional Datasets Using Quantum Social Spider Optimization with DWT. Advances in Intelligent Systems and Computing, 2021, , 659-671.	0.5	0
11	A Binary NSGA-II Model for De-clustering Seismicity of Turkey and Chile. , 2021, , .		5
12	Design and Optimization of EDFA-Raman Hybrid Optical Amplifier using Grey Wolf Optimizer. , 2021, , .		0
13	Solving Dynamic Many-objective TSP using NSGA-III equipped with SVR-RBF Kernel Predictor. , 2021, , .		3
14	FPGA Implementation of High Speed Anti-notch Lattice filter for Exon Region Identification in Eukaryotic Genes. , 2021, , .		2
15	A Distributed Neighbourhood DBSCAN Algorithm for Effective Data Clustering in Wireless Sensor Networks. Wireless Personal Communications, 2021, 121, 2545-2568.	1.8	2
16	Optimization of hybrid amplifier parameters for improved optical link performance. Optical and Quantum Electronics, 2021, 53, 1.	1.5	0
17	FPGA implementation of high‑speed tunable IIR band pass notch filter for identification of hot‑spots in protein. International Journal of Circuit Theory and Applications, 2021, 49, 3748-3765.	1.3	3
18	A many-objective whale optimization algorithm to perform robust distributed clustering in wireless sensor network. Applied Soft Computing Journal, 2021, 110, 107650.	4.1	19

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19	VLSI Implementation of Tunable Band-Pass Notch IIR Filter for Localization of Hot spots in Proteins. Lecture Notes in Electrical Engineering, 2021, , 563-575.	0.3	1
20	A Model Based on Fuzzy C-Means with Density Peak Clustering for Seismicity Analysis of Earthquake Prone Regions. Advances in Intelligent Systems and Computing, 2021, , 173-185.	0.5	4
21	Robust Automatic Clustering Based on Local Density with Glowworm Swarm Optimization. , 2021, , .		0
22	Direction of Arrival Estimation in Automotive Radar with Sailfish Optimization Algorithm. , 2021, , .		1
23	A Binary Multi-objective CLONAL Algorithm for Band Selection in Hyper-Spectral Images. , 2021, , .		2
24	A CNN-LSTM Model Trained with Grey Wolf Optimizer for Prediction of Household Power Consumption. , 2021, , .		5
25	Coverage Optimization of a VLC-Based Smart Room with Genetic Algorithm. Lecture Notes in Electrical Engineering, 2020, , 121-128.	0.3	0
26	Distributed robust data clustering in wireless sensor networks using diffusion moth flame optimization. Engineering Applications of Artificial Intelligence, 2020, 87, 103342.	4.3	36
27	Time Series Forecasting using a Polynomial Controlled S-transform. , 2020, , .		0
28	Distributed clustering in peer to peer networks using multi-objective whale optimization. Applied Soft Computing Journal, 2020, 96, 106625.	4.1	14
29	VLSI implementation of anti€notch lattice structure for identification of exon regions in Eukaryotic genes. IET Computers and Digital Techniques, 2020, 14, 217-229.	0.9	8
30	Hardware implementation of infinite impulse response anti€notch filter for exon region identification in eukaryotic genes. International Journal of Circuit Theory and Applications, 2020, 48, 2242-2256.	1.3	4
31	Timely detection of Seismic waves in Ground motion data using Improved S-Transform. , 2020, , .		2
32	Improved framework of many€objective evolutionary algorithm to handle cloud detection problem in satellite imagery. IET Image Processing, 2020, 14, 4795-4807.	1.4	2
33	Diffusion Least Mean Square Algorithm for Identification of IIR System Present in Each Node of a Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2019, , 709-720.	0.5	2
34	A Quantum Grey Wolf Optimizer based declustering model for analysis of earthquake catalogs in an ergodic framework. Journal of Computational Science, 2019, 36, 101019.	1.5	26
35	Clustering Networks Based on Physarum Optimization for Seismic Catalogs Analysis. , 2019, , .		2
36	A Binary NSGA-III for Unsupervised Band Selection in Hyper-spectral Satellite Images. , 2019, , .		7

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37	Classifying Physical Actions of Human Models using Multi-objective Clustering based on Elephant Herding Algorithm. Procedia Computer Science, 2019, 152, 84-91.	1.2	2
38	Shared Nearest Neighborhood Intensity Based Declustering Model for Analysis of Spatio-Temporal Seismicity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1619-1627.	2.3	15
39	Vectorâ€angle penalised NSGAâ€II to solve manyâ€objective optimisation problems. Electronics Letters, 2019, 55, 198-200.	0.5	12
40	Cloud detection in satellite images using multi-objective social spider optimization. Applied Soft Computing Journal, 2019, 79, 203-226.	4.1	18
41	A Point Symmetry Distance Based K-Means Algorithm for Distributed Clustering in Peer to Peer Networks. , 2019, , .		2
42	Clustering Big Datasets Using Orthogonal Gray Wolf Optimizer. , 2019, , .		2
43	Many-Objective B/NSGA-III for Band Selection in Cloud Contaminated Hyper-Spectral Images. , 2019, , .		2
44	Automatic Determination of K in Distributed K-Means Clustering. Procedia Computer Science, 2019, 165, 556-564.	1.2	3
45	Multi-objective Clustering using Find-Fix-Finish-Exploit-Analyze (F3EA) Algorithm. , 2019, , .		0
46	Dynamic clustering with binary social spider algorithm for streaming dataset. Soft Computing, 2019, 23, 10717-10737.	2.1	3
47	A low complexity hardware architecture of K-means algorithm for real-time satellite image segmentation. Multimedia Tools and Applications, 2019, 78, 11949-11981.	2.6	13
48	Designing of a Risk Assessment Model for Issuing Credit Card Using Parallel Social Spider Algorithm. Applied Artificial Intelligence, 2019, 33, 191-207.	2.0	10
49	A K-Means-Galactic Swarm Optimization-Based Clustering Algorithm with Otsuâ€™s Entropy for Brain Tumor Detection. Applied Artificial Intelligence, 2019, 33, 152-170.	2.0	22
50	Design of Supervised and Blind Channel Equalizer Based on Moth-Flame Optimization. Journal of the Institution of Engineers (India): Series B, 2019, 100, 105-115.	1.3	8
51	A Hardware Architecture Based on Genetic Clustering for Color Image Segmentation. Advances in Intelligent Systems and Computing, 2019, , 863-876.	0.5	5
52	A Variable $$\varepsilon$$ -DBSCAN Algorithm forÂDeclustering Earthquake Catalogs. Advances in Intelligent Systems and Computing, 2019, , 639-651.	0.5	10
53	Positioning LED Panel for Uniform Illuminance in Indoor VLC System Using Whale Optimization. Lecture Notes in Electrical Engineering, 2018, , 131-139.	0.3	5
54	Tetraâ€stage cluster identification model to analyse the seismic activities of Japan, Himalaya and Taiwan. IET Signal Processing, 2018, 12, 95-103.	0.9	16

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55	A Binary Social Spider Optimization algorithm for unsupervised band selection in compressed hyperspectral images. Expert Systems With Applications, 2018, 97, 336-356.	4.4	41
56	Denoising hyperspectral images using Hilbert vibration decomposition with cluster validation. IET Image Processing, 2018, 12, 1736-1745.	1.4	6
57	Shared Nearest Neighbor Based Classification of Earthquake Catalogs in Spatio-Temporal Domain. , 2018, , .		0
58	A Social Spider Optimization Algorithm with Chaotic Initialization for Robust Clustering. Procedia Computer Science, 2018, 143, 450-457.	1.2	8
59	A Mask Regional Convolutional Neural Network Model for Segmenting Real Time Traffic Images. , 2018, , .		0
60	High Speed Implementation of Notch/Anti-notch IIR Filter on FPGA. , 2018, , .		1
61	A Color Transformation Approach to Retrieve Cloudy Pixels in Daytime Satellite Images. Advances in Intelligent Systems and Computing, 2018, , 311-319.	0.5	2
62	Classifying Aggressive Actions of 3D Human Models Using Correlation Based Affinity Propagation Algorithm. Advances in Intelligent Systems and Computing, 2018, , 189-198.	0.5	0
63	Optimal Path Determination in a Survivable Virtual Topology of an Optical Network Using Ant Colony Optimization. Advances in Intelligent Systems and Computing, 2017, , 48-58.	0.5	0
64	Robust nonlinear channel equalization using WNN trained by symbiotic organism search algorithm. Applied Soft Computing Journal, 2017, 57, 197-209.	4.1	35
65	A Grey Wolf Optimizer Based Automatic Clustering Algorithm for Satellite Image Segmentation. Procedia Computer Science, 2017, 115, 415-422.	1.2	60
66	Declustering of an earthquake catalog based on ergodicity using parallel Grey Wolf Optimization. , 2017, , .		9
67	Multi-objective whale optimization. , 2017, , .		24
68	An Incremental RLS for Distributed Parameter Estimation of IIR Systems Present in Computing Nodes of a Wireless Sensor Network. Procedia Computer Science, 2017, 115, 699-706.	1.2	2
69	2D code construction using DW code families for SAC-OCDMA systems. , 2017, , .		1
70	Design of low complexity Universal Bi-quadratic Filters using Current Feedback Amplifier. , 2017, , .		0
71	Cluster analysis of evolving data streams using centroid initialization methods. , 2016, , .		0
72	Parallel social spider clustering algorithm for high dimensional datasets. Engineering Applications of Artificial Intelligence, 2016, 56, 75-90.	4.3	42

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73	Multi-objective Moth Flame Optimization. , 2016, , .		9
74	A FSM based approach for efficient implementation of K-means algorithm. , 2016, , .		9
75	A WNN-CSO model for accurate forecasting of chaotic and nonlinear time series. , 2015, , .		5
76	League Championship Algorithm for clustering. , 2015, , .		4
77	A clustering model based on colliding bodies optimization for analysis of seismic catalog. , 2015, , .		0
78	Design of computationally efficient density-based clustering algorithms. Data and Knowledge Engineering, 2015, 95, 23-38.	2.1	38
79	A new density based clustering algorithm for Binary Data sets. , 2014, , .		2
80	A survey on nature inspired metaheuristic algorithms for partitional clustering. Swarm and Evolutionary Computation, 2014, 16, 1-18.	4.5	450
81	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
82	A correlation based stochastic partitional algorithm for accurate cluster analysis. International Journal of Signal and Imaging Systems Engineering, 2013, 6, 52.	0.6	4
83	A tri-stage cluster identification model for accurate analysis of seismic catalogs. Nonlinear Processes in Geophysics, 2013, 20, 143-162.	0.6	15
84	Automatic clustering using MOCLONAL for classifying actions of 3D human models. , 2012, , .		6
85	New GOPSO and its application to robust identification. , 2011, , .		6
86	Improved identification of Hammerstein plants using new CPSO and IPSO algorithms. Expert Systems With Applications, 2010, 37, 6818-6831.	4.4	52
87	Development of a nonlinear model of unijunction transistor using artificial immune system. , 2009, , .		2
88	Development of immunized pso algorithm and its application to hammerstein model identification. , 2009, , .		10
89	Improved Identification of Nonlinear MIMO Plants using New Hybrid FLANN-AIS Model. , 2009, , .		14
90	Improved protein structural class prediction using genetic algorithm and artificial immune system. , 2009, , .		4

#	Article	IF	Citations
91	Development of Novel Digital Equalizers for Noisy Nonlinear Channel using Artificial Immune System. , 2008, , .		5
92	Development of a New Optimization Algorithm Based on Artificial Immune System and Its Application. , 2008, , .		2
93	Improved identification of nonlinear dynamic systems using Artificial Immune System. , 2008, , .		5