Hari Mohan Pandey

List of Publications by Year
in descending order

96 papers	2,239 citations	279798 23 h-index	276875 41 g-index
99 all docs	99 docs citations	99 times ranked	1701 citing authors

#	ARTICLE	IF	CITATIONS
1	Automated detection and classification of fundus diabetic retinopathy images using synergic deep learning model. Pattern Recognition Letters, 2020, 133, 210-216.	4.2	182
2	A comparative review of approaches to prevent premature convergence in GA. Applied Soft Computing Journal, 2014, 24, 1047-1077.	7.2	177
3	An optimized dense convolutional neural network model for disease recognition and classification in corn leaf. Computers and Electronics in Agriculture, 2020, 175, 105456.	7.7	176
4	A review of multimodal human activity recognition with special emphasis on classification, applications, challenges and future directions. Knowledge-Based Systems, 2021, 223, 106970.	7.1	112
5	Comparative review of selection techniques in genetic algorithm. , 2015, , .		108
6	GAPSO-H: A hybrid approach towards optimizing the cluster based routing in wireless sensor network. Swarm and Evolutionary Computation, 2021, 60, 100772.	8.1	90
7	Multimodal medical image fusion algorithm in the era of big data. Neural Computing and Applications, 0, , 1.	5.6	84
8	Particle swarm optimization based energy efficient clustering and sink mobility in heterogeneous wireless sensor network. Ad Hoc Networks, 2020, 106, 102237.	5.5	82
9	Learning interaction dynamics with an interactive LSTM for conversational sentiment analysis. Neural Networks, 2021, 133, 40-56.	5.9	52
10	Pixel and Feature Transfer Fusion for Unsupervised Cross-Dataset Person Reidentification. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-13.	11.3	51
11	CFN: A Complex-Valued Fuzzy Network for Sarcasm Detection in Conversations. IEEE Transactions on Fuzzy Systems, 2021, 29, 3696-3710.	9.8	50
12	Jaya a novel optimization algorithm: What, how and why?. , 2016, , .		49
13	Cross-modality paired-images generation and augmentation for RGB-infrared person re-identification. Neural Networks, 2020, 128, 294-304.	5.9	49
14	Person identification using fusion of iris and periocular deep features. Neural Networks, 2020, 122, 407-419.	5.9	47
15	A Heuristic Neural Network Structure Relying on Fuzzy Logic for Images Scoring. IEEE Transactions on Fuzzy Systems, 2021, 29, 34-45.	9.8	46
16	Secure medical data transmission using a fusion of bit mask oriented genetic algorithm, encryption and steganography. Future Generation Computer Systems, 2020, 111, 213-225.	7.5	40
17	A novel hybrid hypervolume indicator and reference vector adaptation strategies based evolutionary algorithm for many-objective optimization. Engineering With Computers, 2021, 37, 3017-3035.	6.1	39
18	Fuzzy-Taylor-elephant herd optimization inspired Deep Belief Network for DDoS attack detection and comparison with state-of-the-arts algorithms. Future Generation Computer Systems, 2020, 110, 80-90.	7.5	39

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19	A fuzzy preference-based Dempster-Shafer evidence theory for decision fusion. Information Sciences, 2021, 570, 306-322.	6.9	39
20	Big Data-Driven Cognitive Computing System for Optimization of Social Media Analytics. IEEE Access, 2020, 8, 82215-82226.	4.2	35
21	DAPath: Distance-aware knowledge graph reasoning based on deep reinforcement learning. Neural Networks, 2021, 135, 1-12.	5.9	35
22	Skeleton-based human activity recognition using ConvLSTM and guided feature learning. Soft Computing, 2022, 26, 877-890.	3.6	34
23	A Noble Double-Dictionary-Based ECG Compression Technique for IoTH. IEEE Internet of Things Journal, 2020, 7, 10160-10170.	8.7	33
24	ARFDNet: An efficient activity recognition & fall detection system using latent feature pooling. Knowledge-Based Systems, 2022, 239, 107948.	7.1	31
25	Performance Evaluation of Selection Methods of Genetic Algorithm and Network Security Concerns. Procedia Computer Science, 2016, 78, 13-18.	2.0	25
26	CSITime: Privacy-preserving human activity recognition using WiFi channel state information. Neural Networks, 2022, 146, 11-21.	5.9	25
27	Evidence of power-law behavior in cognitive IoT applications. Neural Computing and Applications, 2020, 32, 16043-16055.	5.6	23
28	Grammar induction using bit masking oriented genetic algorithm and comparative analysis. Applied Soft Computing Journal, 2016, 38, 453-468.	7.2	21
29	Hybrid bio-inspired algorithm and convolutional neural network for automatic lung tumor detection. Neural Computing and Applications, 2023, 35, 23711-23724.	5.6	21
30	Intelligent system for depression scale estimation with facial expressions and case study in industrial intelligence. International Journal of Intelligent Systems, 2022, 37, 10140-10156.	5.7	21
31	Minimum variance-embedded deep kernel regularized least squares method for one-class classification and its applications to biomedical data. Neural Networks, 2020, 123, 191-216.	5.9	19
32	Quantum-like influence diagrams for decision-making. Neural Networks, 2020, 132, 190-210.	5.9	19
33	Deep features based convolutional neural network model for text and non-text region segmentation from document images. Applied Soft Computing Journal, 2021, 113, 107917.	7.2	19
34	Data clustering approaches survey and analysis. , 2015, , .		18
35	Maintaining regularity and generalization in data using the minimum description length principle and genetic algorithm: Case of grammatical inference. Swarm and Evolutionary Computation, 2016, 31, 11-23.	8.1	18
36	Cascaded Split-and-Aggregate Learning with Feature Recombination for Pedestrian Attribute Recognition. International Journal of Computer Vision, 2021, 129, 2731-2744.	15.6	16

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37	An end-to-end exemplar association for unsupervised person Re-identification. Neural Networks, 2020, 129, 43-54.	5.9	15
38	An improved block matching algorithm for motion estimation in video sequences and application in robotics. Computers and Electrical Engineering, 2018, 68, 92-106.	4.8	14
39	Evaluation of Genetic Algorithm's Selection Methods. Advances in Intelligent Systems and Computing, 2016, , 731-738.	0.6	13
40	Machine learning method for cosmetic product recognition: a visual searching approach. Multimedia Tools and Applications, 2021, 80, 34997-35023.	3.9	13
41	ANT Colony Optimization based Optimal Path Selection and Data Gathering in WSN. , 2020, , .		13
42	Accessible review of internet of vehicle models for intelligent transportation and research gaps for potential future directions. Peer-to-Peer Networking and Applications, 2021, 14, 978-1005.	3.9	13
43	A dimension-reduction based multilayer perception method for supporting the medical decision making. Pattern Recognition Letters, 2020, 131, 15-22.	4.2	12
44	YogNet: A two-stream network for realtime multiperson yoga action recognition and posture correction. Knowledge-Based Systems, 2022, 250, 109097.	7.1	12
45	DepNet: An automated industrial intelligent system using deep learning for video‒based depression analysis. International Journal of Intelligent Systems, 2022, 37, 3815-3835.	5.7	11
46	Genetic Algorithm, Particle Swarm Optimization and Harmony Search: A quick comparison. , 2016, , .		10
47	A Semantic Collaboration Method Based on Uniform Knowledge Graph. IEEE Internet of Things Journal, 2020, 7, 4473-4484.	8.7	10
48	Improved optic disc and cup segmentation in Glaucomatic images using deep learning architecture. Multimedia Tools and Applications, 2021, 80, 30143-30163.	3.9	10
49	Intelligent Classification and Analysis of Essential Genes Using Quantitative Methods. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-21.	4.3	9
50	Industrial power quality enhancement using fuzzy logic based photovoltaic integrated with three phase shunt hybrid active filter and adaptive controller. Applied Soft Computing Journal, 2022, 121, 108762.	7.2	9
51	Securing Blockchain Transactions Using Quantum Teleportation and Quantum Digital Signature. Neural Processing Letters, 2023, 55, 3827-3842.	3.2	8
52	Design and data analytics of electronic human resource management activities through Internet of Things in an organization. Software - Practice and Experience, 2020, , .	3.6	8
53	A Whale Optimization (WOA): Meta-Heuristic based energy improvement Clustering in Wireless Sensor Networks. , 2021, , .		8
54	Fault coverage-based test suite optimization method for regression testing: learning from mistakes-based approach. Neural Computing and Applications, 2020, 32, 7769-7784.	5.6	7

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55	Context free grammar induction library using Genetic Algorithms. , 2010, , .		6
56	Bit mask-oriented genetic algorithm for grammatical inference and premature convergence. International Journal of Bio-Inspired Computation, 2018, 12, 54.	0.9	6
57	DLCD-CCE: A Local Community Detection Algorithm for Complex IoT Networks. IEEE Internet of Things Journal, 2020, 7, 4607-4615.	8.7	6
58	A Comprehensive Classification of Deep Learning Libraries. Advances in Intelligent Systems and Computing, 2019, , 427-435.	0.6	6
59	Advances in Ambiguity Detection Methods for Formal Grammars. Procedia Engineering, 2011, 24, 700-707.	1.2	5
60	A distant supervision method based on paradigmatic relations for learning word embeddings. Neural Computing and Applications, 2020, 32, 7759-7768.	5.6	5
61	Performance evaluation of different techniques in the context of data mining- A case of an eye disease. , 2014, , .		4
62	Inference patterns from Big Data using aggregation, filtering and tagging- A survey. , 2014, , .		4
63	A New Clustering Method Using an Augmentation to the Self Organizing Maps. , 2018, , .		4
64	Special Issue on Workplace Violence Prevention using Security Robots. Work, 2021, 68, 821-823.	1.1	4
65	Network efficient topology for low power and lossy networks in smart corridor design using RPL. International Journal of Pervasive Computing and Communications, 2021, ahead-of-print, .	1.3	4
66	Optimized Sequential model for Plant Recognition in Keras. IOP Conference Series: Materials Science and Engineering, 2021, 1022, 012118.	0.6	4
67	Enhancing the Network Performance of Wireless Sensor Networks on Meta-heuristic Approach: Grey Wolf Optimization. Lecture Notes in Electrical Engineering, 2021, , 469-482.	0.4	4
68	Performance Comparison of Pattern Search, Simulated Annealing, Genetic Algorithm and Jaya Algorithm. Advances in Intelligent Systems and Computing, 2018, , 377-384.	0.6	4
69	An Effective Reliability Evaluation Method for Power Communication Network Based on Community Structure. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	3
70	Statistical exploratory analysis of mask-fill reproduction operators of Genetic Algorithms. Applied Soft Computing Journal, 2021, 102, 107087.	7.2	3
71	Twitter-based Opinion Mining for Flight Service utilizing Machine Learning. Informatica (Slovenia), 2019, 43, .	0.9	3
72	Parameters Quantification of Genetic Algorithm. Advances in Intelligent Systems and Computing, 2016, , 711-719.	0.6	3

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73	FKPIndexNet: An efficient learning framework for finger-knuckle-print database indexing to boost identification. Knowledge-Based Systems, 2022, 239, 108028.	7.1	3
74	Performance Review of Harmony Search, Differential Evolution and Particle Swarm Optimization. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012221.	0.6	2
75	Robustness analytics to data heterogeneity in edge computing. Computer Communications, 2020, 164, 229-239.	5.1	2
76	Human Cognitive Features to Define Correlation Between Depression and Internet Gaming Disorder. , 2021, , .		2
77	SVM Prediction Model Interface for Plant Contaminates. Traitement Du Signal, 2021, 38, 1023-1032.	1.3	2
78	Function Optimization Using Robust Simulated Annealing. Advances in Intelligent Systems and Computing, 2016, , 347-355.	0.6	2
79	Brain tumor segmentation using extended Weiner and Laplacian lion optimization algorithm with fuzzy weighted k-mean embedding linear discriminant analysis. Neural Computing and Applications, 2023, 35, 7315-7338.	5.6	2
80	Research on the Positioning Technology of Sports 3D Teaching Action Based on Machine Vision. Mobile Networks and Applications, 0, , 1.	3.3	2
81	A Convergence Time Predictive Model using Machine Learning for LLN. , 2021, , .		2
82	Solving lecture time tabling problem using GA. , 2016, , .		1
83	S. I: hybridization of neural computing with nature-inspired algorithms. Neural Computing and Applications, 2021, 33, 10617.	5.6	1
84	Genetic Algorithm and Particle Swarm Optimization: Analysis and Remedial Suggestions. Lecture Notes in Networks and Systems, 2017, , 437-441.	0.7	1
85	A Genetic Deep Learning Model for Electrophysiological Soft Robotics. Advances in Intelligent Systems and Computing, 2021, , 145-151.	0.6	1
86	Futuretech 2010- DATICS 2010 Welcome Message from the Workshop Organizers. , 2010, , .		0
87	The BMODS: A powerful 2-D representation scheme for the GA's population. , 2016, , .		0
88	Analysis & Design of Data Farming Algorithm for Cardiac Patient Data. , 2018, , .		0
89	Optimization of surveillance cost of a neighborhood using soft computing techniques. , 2019, , .		0
90	Analysis of Boolean functions based on interaction graphs and their influence in system biology. Neural Computing and Applications, 2020, 32, 7803-7821.	5.6	0

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91	Editorial to special issue on hybrid artificial intelligence and machine learning technologies in intelligent systems. Neural Computing and Applications, 2020, 32, 7743-7745.	5.6	0
92	Human Cognition to Analyze Alcohol Use Disorder and Correlation with Internet Gaming Disorder. , 2021, , .		0
93	Performance Evaluation of Reproduction Operators in Genetic Algorithm. Lecture Notes in Networks and Systems, 2017, , 451-460.	0.7	0
94	Applications of grammatical inference methods and future development. , 2022, , 193-200.		0
95	Genetic algorithms and grammatical inference. , 2022, , 125-144.		0
96	Performance analysis of genetic algorithm for grammatical inference. , 2022, , 145-191.		0