Romany F Mansour

List of Publications by Year
in descending order

80 papers	1,590 citations	411340 20 h-index	388640 36 g-index
81 all docs	81 docs citations	81 times ranked	819 citing authors

#	Article	IF	Citations
1	Artificial intelligence with big data analytics-based brain intracranial hemorrhage e-diagnosis using CT images. Neural Computing and Applications, 2023, 35, 16037-16049.	3.2	22
2	An intelligent outlier detection with machine learning empowered big data analytics for mobile edge computing. Cluster Computing, 2023, 26, 71-83.	3.5	10
3	Quantum neural network-based multilabel image classification in high-resolution unmanned aerial vehicle imagery. Soft Computing, 2023, 27, 13027-13038.	2.1	6
4	A novel metaheuristics with adaptive neuro-fuzzy inference system for decision making on autonomous unmanned aerial vehicle systems. ISA Transactions, 2023, 132, 16-23.	3.1	10
5	Design of cultural emperor penguin optimizer for energy-efficient resource scheduling in green cloud computing environment. Cluster Computing, 2023, 26, 575-586.	3.5	9
6	Two-stage deep learning framework for sRGB image white balance. Signal, Image and Video Processing, 2023, 17, 277-284.	1.7	5
7	Big data analytics with oppositional moth flame optimization based vehicular routing protocol for future smart cities. Expert Systems, 2022, 39, e12718.	2.9	5
8	Optimal deep learning based fusion model for biomedical image classification. Expert Systems, 2022, 39, e12764.	2.9	31
9	Deep Learning with Backtracking Search Optimization Based Skin Lesion Diagnosis Model. Computers, Materials and Continua, 2022, 70, 1297-1313.	1.5	54
10	Deep Learning Based License Plate Number Recognition for Smart Cities. Computers, Materials and Continua, 2022, 70, 2049-2064.	1.5	2
11	Optimized Tuned Deep Learning Model for Chronic Kidney Disease Classification. Computers, Materials and Continua, 2022, 70, 2097-2111.	1.5	14
12	Optimized Convolutional Neural Network for Automatic Detection of COVID-19. Computers, Materials and Continua, 2022, 70, 1159-1175.	1.5	3
13	Intelligent Disease Diagnosis Model for Energy Aware Cluster Based IoT Healthcare Systems. Computers, Materials and Continua, 2022, 71, 1189-1203.	1.5	6
14	Optimal allocation of renewable energy source and charging station for PHEVs. Sustainable Energy Technologies and Assessments, 2022, 49, 101669.	1.7	12
15	Deep Convolutional Neural Network Approach for COVID-19 Detection. Computer Systems Science and Engineering, 2022, 42, 201-211.	1.9	12
16	Design of Automated Opinion Mining Model Using Optimized Fuzzy Neural Network. Computers, Materials and Continua, 2022, 71, 2543-2557.	1.5	5
17	Mathematical Modelling of Quantum Kernel Method for Biomedical Data Analysis. Computers, Materials and Continua, 2022, 71, 5441-5457.	1.5	1
18	Design of Optimal Deep Learning-Based Pancreatic Tumor and Nontumor Classification Model Using Computed Tomography Scans. Journal of Healthcare Engineering, 2022, 2022, 1-15.	1.1	11

#	Article	IF	Citations
19	Fusion-Based Deep Learning with Nature-Inspired Algorithm for Intracerebral Haemorrhage Diagnosis. Journal of Healthcare Engineering, 2022, 2022, 1-12.	1.1	11
20	Automated Deep Learning Empowered Breast Cancer Diagnosis Using Biomedical Mammogram Images. Computers, Materials and Continua, 2022, 71, 4221-4235.	1.5	15
21	A novel compressive sensing with deep learning–based disease diagnosis model for smart wearable healthcare devices. , 2022, , 87-96.		0
22	Intelligent Deep Data Analytics Based Remote Sensing Scene Classification Model. Computers, Materials and Continua, 2022, 72, 1921-1938.	1.5	3
23	Computational Intelligence-Based Harmony Search Algorithm for Real-Time Object Detection and Tracking in Video Surveillance Systems. Mathematics, 2022, 10, 733.	1.1	18
24	Impact of Wireless Sensor Data Mining with Hybrid Deep Learning for Human Activity Recognition. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	0.8	12
25	Ensemble Deep-Learning-Enabled Clinical Decision Support System for Breast Cancer Diagnosis and Classification on Ultrasound Images. Biology, 2022, 11, 439.	1.3	68
26	Efficient E-Mail Spam Detection Strategy Using Genetic Decision Tree Processing with NLP Features. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.1	19
27	Detection of Dental Diseases through X-Ray Images Using Neural Search Architecture Network. Computational Intelligence and Neuroscience, 2022, 2022, 1-7.	1.1	9
28	Deep Transfer Learning-Based Breast Cancer Detection and Classification Model Using Photoacoustic Multimodal Images. BioMed Research International, 2022, 2022, 1-13.	0.9	15
29	3D Input Convolutional Neural Network for SSVEP Classification in Design of Brain Computer Interface for Patient User. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-6.	0.7	3
30	Leveraging Tweets for Artificial Intelligence Driven Sentiment Analysis on the COVID-19 Pandemic. Healthcare (Switzerland), 2022, 10, 910.	1.0	3
31	Energy aware fault tolerant clustering with routing protocol for improved survivability in wireless sensor networks. Computer Networks, 2022, 212, 109049.	3.2	18
32	Blockchain enabled optimal Hopfield Chaotic Neural network based secure encryption technique for industrial internet of things environment. AEJ - Alexandria Engineering Journal, 2022, 61, 11377-11389.	3.4	16
33	Multiclass Classification of Chest X-Ray Images for the Prediction of COVID-19 Using Capsule Network. Computational Intelligence and Neuroscience, 2022, 2022, 1-8.	1.1	18
34	Prediction of Diabetes through Retinal Images Using Deep Neural Network. Computational Intelligence and Neuroscience, 2022, 2022, 1-6.	1.1	11
35	Intelligent Sine Cosine Optimization with Deep Transfer Learning Based Crops Type Classification Using Hyperspectral Images. Canadian Journal of Remote Sensing, 2022, 48, 621-632.	1.1	2
36	A Secure Framework toward IoMT-Assisted Data Collection, Modeling, and Classification for Intelligent Dermatology Healthcare Services. Contrast Media and Molecular Imaging, 2022, 2022, 1-18.	0.4	6

#	Article	IF	Citations
37	Directional mutation and crossover boosted ant colony optimization with application to COVID-19 X-ray image segmentation. Computers in Biology and Medicine, 2022, 148, 105810.	3.9	130
38	Chicken Swarm-Based Feature Subset Selection with Optimal Machine Learning Enabled Data Mining Approach. Applied Sciences (Switzerland), 2022, 12, 6787.	1.3	5
39	Intelligent Agricultural Modelling of Soil Nutrients and pH Classification Using Ensemble Deep Learning Techniques. Agriculture (Switzerland), 2022, 12, 977.	1.4	12
40	Recognition of Hand Gesture Using Electromyography Signal: Human-Robot Interaction. Journal of Sensors, 2022, 2022, 1-9.	0.6	2
41	Artificial Intelligence and Internet of Things Enabled Disease Diagnosis Model for Smart Healthcare Systems. IEEE Access, 2021, 9, 45137-45146.	2.6	94
42	Internet of Things and Synergic Deep Learning Based Biomedical Tongue Color Image Analysis for Disease Diagnosis and Classification. IEEE Access, 2021, 9, 94769-94779.	2.6	24
43	Machine Learning Applied to Problem-Solving in Medical Applications. Computers, Materials and Continua, 2021, 69, 2277-2294.	1.5	2
44	Face Image Compression and Reconstruction Based on Improved PCA. Intelligent Automation and Soft Computing, 2021, 30, 973-982.	1.6	1
45	Residential Electricity Classification Method Based On Cloud Computing Platform and Random Forest. Computer Systems Science and Engineering, 2021, 38, 39-46.	1.9	10
46	A Review on Statistical Importance and Biomarkers Identification in Hashimoto Thyroiditis Disease. , 2021, , .		1
47	Fuzzy Multilevel Image Thresholding Based on Improved Coyote Optimization Algorithm. IEEE Access, 2021, 9, 33595-33607.	2.6	49
48	Diagnosis of Leukemia Disease Based on Enhanced Virtual Neural Network. Computers, Materials and Continua, 2021, 69, 2031-2044.	1.5	16
49	Hybridization of Metaheuristic Algorithm for Dynamic Cluster-Based Routing Protocol in Wireless Sensor Networksx. IEEE Access, 2021, 9, 83751-83761.	2.6	45
50	Investigating gene methylation signatures for fetal intolerance prediction. PLoS ONE, 2021, 16, e0250032.	1.1	1
51	An optimal segmentation with deep learning based inception network model for intracranial hemorrhage diagnosis. Neural Computing and Applications, 2021, 33, 13831-13843.	3.2	40
52	Glaucoma detection using novel perceptron based convolutional multi-layer neural network classification. Multidimensional Systems and Signal Processing, 2021, 32, 1217-1235.	1.7	8
53	Artificial Flora Algorithm-Based Feature Selection with Gradient Boosted Tree Model for Diabetes Classification. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 2789-2806.	1.1	48
54	Reversible Data Hiding for Electronic Patient Information Security for Telemedicine Applications. Arabian Journal for Science and Engineering, 2021, 46, 9129-9144.	1.7	27

#	Article	IF	Citations
55	Identification of Microbiota Biomarkers With Orthologous Gene Annotation for Type 2 Diabetes. Frontiers in Microbiology, 2021, 12, 711244.	1.5	7
56	Spatial and Temporal Characteristics of Rainfall Anomalies in 1961–2010 in the Yangtze River Basin, China. Atmosphere, 2021, 12, 960.	1.0	7
57	A self-embedding technique for tamper detection and localization of medical images for smart-health. Multimedia Tools and Applications, 2021, 80, 29939-29964.	2.6	22
58	Intelligent video anomaly detection and classification using faster RCNN with deep reinforcement learning model. Image and Vision Computing, 2021, 112, 104229.	2.7	74
59	Unsupervised Deep Learning based Variational Autoencoder Model for COVID-19 Diagnosis and Classification. Pattern Recognition Letters, 2021, 151, 267-274.	2.6	54
60	An intelligent cognitive computing based intrusion detection for industrial cyber-physical systems. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110145.	2.5	30
61	An Optimal Big Data Analytics with Concept Drift Detection on High-Dimensional Streaming Data. Computers, Materials and Continua, 2021, 68, 2843-2858.	1.5	6
62	Steganography-Based Transmission of Medical Images Over Unsecure Network for Telemedicine Applications. Computers, Materials and Continua, 2021, 68, 4069-4085.	1.5	5
63	An Intelligent Metaheuristic Binary Pigeon Optimization-Based Feature Selection and Big Data Classification in a MapReduce Environment. Mathematics, 2021, 9, 2627.	1.1	26
64	Ensemble of Deep Learning Based Clinical Decision Support System for Chronic Kidney Disease Diagnosis in Medical Internet of Things Environment. Computational Intelligence and Neuroscience, 2021, 2021, 1-13.	1.1	22
65	Human Activity Recognition Using Cell Phone-Based Accelerometer and Convolutional Neural Network. Applied Sciences (Switzerland), 2021, 11, 12099.	1.3	14
66	Evolutionary computing enriched ridge regression model for craniofacial reconstruction. Multimedia Tools and Applications, 2020, 79, 22065-22082.	2.6	9
67	Knowledge Deduction and Reuse Application to the Products' Design Process. International Journal of Software Engineering and Knowledge Engineering, 2020, 30, 217-237.	0.6	5
68	A Robust Deep Neural Network Based Breast Cancer Detection and Classification. International Journal of Computational Intelligence and Applications, 2020, 19, .	0.6	26
69	An evolutionary computing enriched RS attack resilient medical image steganography model for telemedicine applications. Multidimensional Systems and Signal Processing, 2019, 30, 791-814.	1.7	28
70	Deep-learning-based automatic computer-aided diagnosis system for diabetic retinopathy. Biomedical Engineering Letters, 2018, 8, 41-57.	2.1	175
71	Understanding How Big Data Leads to Social Networking Vulnerability. Studies in Big Data, 2018, , 193-201.	0.8	0
72	Appling of evolutionary computing to accelerate for melanoma cancer detection. International Journal of Advanced and Applied Sciences, 2018, 5, 36-41.	0.2	1

#	Article	IF	Citations
73	Evolutionary Computing Enriched Computer-Aided Diagnosis System for Diabetic Retinopathy: A Survey. IEEE Reviews in Biomedical Engineering, 2017, 10, 334-349.	13.1	49
74	Wavelet Filter techniques for segmenting retinal blood vessels. International Journal of Advanced and Applied Sciences, 2017, 4, 156-160.	0.2	1
75	Iris Recognition Using Gauss Laplace Filter. American Journal of Applied Sciences, 2016, 13, 962-968.	0.1	2
76	Understanding how big data leads to social networking vulnerability. Computers in Human Behavior, 2016, 57, 348-351.	5.1	18
77	Using adaptive mutation to accelerate the convergence of immune algorithms for prediction of 3D molecular structure. International Journal of Computers and Applications, 2015, 37, 127-133.	0.8	1
78	Gender Classification based on Fingerprints using SVM. , 2014, , .		0
79	Identification of Diabetic Retinal Exudates in Digital Color Images Using Support Vector Machine. Journal of Intelligent Learning Systems and Applications, 2013, 05, 135-142.	0.4	8
80	A robust method for partial deformed fingerprints verification using genetic algorithm. Expert Systems With Applications, 2009, 36, 2008-2016.	4.4	20