Gunasekaran Manogaran

List of Publications by Year
in descending order

123 papers	8,900 citations	34016 52 h-index	48187 88 g-index
139 all docs	139 docs citations	139 times ranked	6615 citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-Learning-Based Concurrent Resource Allocation Method for Improving the Service Response of 6G Network-in-Box Users in UAV. IEEE Internet of Things Journal, 2023, 10, 3130-3137.	5.5	6
2	Optimizing Resource and Service Allocations for IoT-Assisted Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 12877-12887.	4.7	3
3	Ant colony optimizationâ€induced route optimization for enhancing driving range of electric vehicles. International Journal of Communication Systems, 2022, 35, e3964.	1.6	34
4	AI-Assisted Service Virtualization and Flow Management Framework for 6G-Enabled Cloud-Software-Defined Network-Based IoT. IEEE Internet of Things Journal, 2022, 9, 14644-14654.	5.5	17
5	Displacement-Aware Service Endowment Scheme for Improving Intelligent Transportation Systems Data Exchange. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22467-22477.	4.7	10
6	Blockchain Assisted Secure Data Sharing Model for Internet of Things Based Smart Industries. IEEE Transactions on Reliability, 2022, 71, 348-358.	3.5	46
7	A deep learning semantic segmentation architecture for <scp>COVID</scp>â€19 lesions discovery in limited chest <scp>CT</scp> datasets. Expert Systems, 2022, 39, e12742.	2.9	16
8	Conditional Support-Vector-Machine-Based Shared Adaptive Computing Model for Smart City Traffic Management. IEEE Transactions on Computational Social Systems, 2022, 9, 174-183.	3.2	13
9	Boosted Tree Classifier Algorithm Based Collaborative Computing Framework for Smart System. IEEE Transactions on Network Science and Engineering, 2022, 9, 1082-1090.	4.1	8
10	Human-Computer Interaction With Big Data Analytics. , 2022, , 1578-1596.		7
11	Trust management for internet of things using cloud computing and security in smart cities. Cluster Computing, 2022, 25, 1765-1777.	3.5	7
12	A Vehicle-Consensus Information Exchange Scheme for Traffic Management in Vehicular Ad-Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19602-19612.	4.7	6
13	Transfer Learning-Aided Collaborative Computational Method for Intelligent Transportation System Applications. IEEE Transactions on Green Communications and Networking, 2022, 6, 1355-1367.	3.5	1
14	GTSM--Graph-Transient Security Model for Intelligent Transportation System Information Exchange. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-10.	4.7	0
15	Optimal Energy-Centric Resource Allocation and Offloading Scheme for Green Internet of Things Using Machine Learning. ACM Transactions on Internet Technology, 2022, 22, 1-19.	3.0	2
16	Trustworthiness in Industrial IoT Systems Based on Artificial Intelligence. IEEE Transactions on Industrial Informatics, 2021, 17, 1496-1504.	7.2	186
17	Multi-Variate Data Fusion Technique for Reducing Sensor Errors in Intelligent Transportation Systems. IEEE Sensors Journal, 2021, 21, 15564-15573.	2.4	20
18	Machine Learning Assisted Information Management Scheme in Service Concentrated IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 2871-2879.	7.2	54

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19	A hybrid deep transfer learning model with machine learning methods for face mask detection in the era of the COVID-19 pandemic. Measurement: Journal of the International Measurement Confederation, 2021, 167, 108288.	2.5	514
20	Internet of things forensic data analysis using machine learning to identify roots of data scavenging. Future Generation Computer Systems, 2021, 115, 756-768.	4.9	54
21	Advanced energy consumption system for smart farm based on reactive energy utilization technologies. Environmental Impact Assessment Review, 2021, 86, 106496.	4.4	35
22	Fighting against COVID-19: A novel deep learning model based on YOLO-v2 with ResNet-50 for medical face mask detection. Sustainable Cities and Society, 2021, 65, 102600.	5.1	301
23	Creating Collision-Free Communication in IoT with 6G Using Multiple Machine Access Learning Collision Avoidance Protocol. Mobile Networks and Applications, 2021, 26, 969-980.	2.2	33
24	A Response-Aware Traffic Offloading Scheme Using Regression Machine Learning for User-Centric Large-Scale Internet of Things. IEEE Internet of Things Journal, 2021, 8, 3360-3368.	5.5	30
25	CDP-UA: Cognitive Data Processing Method Wearable Sensor Data Uncertainty Analysis in the Internet of Things Assisted Smart Medical Healthcare Systems. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3691-3699.	3.9	32
26	FDM: Fuzzy-Optimized Data Management Technique for Improving Big Data Analytics. IEEE Transactions on Fuzzy Systems, 2021, 29, 177-185.	6.5	71
27	A Study of the Neutrosophic Set Significance on Deep Transfer Learning Models: an Experimental Case on a Limited COVID-19 Chest X-ray Dataset. Cognitive Computation, 2021, , 1-10.	3.6	15
28	Non-Recurrent Classification Learning Model for Drone Assisted Vehicular Ad-Hoc Network Communication in Smart Cities. IEEE Transactions on Network Science and Engineering, 2021, 8, 2792-2800.	4.1	6
29	Architecture for Big Data Storage in Different Cloud Deployment Models. , 2021, , 178-208.		9
30	Information Granulation-Based Community Detection for Social Networks. IEEE Transactions on Computational Social Systems, 2021, 8, 122-133.	3.2	24
31	ISOF: Information Scheduling and Optimization Framework for Improving the Performance of Agriculture Systems Aided by Industry 4.0. IEEE Internet of Things Journal, 2021, 8, 3120-3129.	5.5	46
32	Artificial Intelligence and Blockchain-Assisted Offloading Approach for Data Availability Maximization in Edge Nodes. IEEE Transactions on Vehicular Technology, 2021, 70, 2404-2412.	3.9	36
33	Internet of Things for Electronic Markets. Electronic Markets, 2021, 31, 13-15.	4.4	7
34	Social Media for Social and Corporate Entrepreneurship. Entrepreneurship Research Journal, 2021, 11, 1-2.	0.8	2
35	Ant-Inspired Recurrent Deep Learning Model for Improving the Service Flow of Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3654-3663.	4.7	9
36	Editorial on â€œCognitive Computing for Humanâ€"Robot Interactionâ€. Complex & Intelligent Systems, 2021, 7, 1709.	4.0	1

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37	Information-Centric Content Management Framework for Software Defined Internet of Vehicles Towards Application Specific Services. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4541-4549.	4.7	12
38	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. IEEE Sensors Journal, 2021, 21, 17469-17478.	2.4	20
39	Intelligent autonomous cyber-physical systems and applications. Enterprise Information Systems, 2021, 15, 909-910.	3.3	0
40	Guest Editorial: 6G-Enabled Network in Box (NIB) for Industrial Applications and Services. IEEE Transactions on Industrial Informatics, 2021, 17, 7141-7144.	7.2	9
41	ADC CF: Adaptive deep concatenation coder framework for visual question answering. Pattern Recognition Letters, 2021, 152, 348-355.	2.6	2
42	An Efficient Resource Allocation Scheme With Optimal Node Placement in IoT-Fog-Cloud Architecture. IEEE Sensors Journal, 2021, 21, 25106-25113.	2.4	14
43	Prostate cancer classification from prostate biomedical data using ant rough set algorithm with radial trained extreme learning neural network. Health and Technology, 2020, 10, 157-165.	2.1	26
44	A novel group decision making model based on neutrosophic sets for heart disease diagnosis. Multimedia Tools and Applications, 2020, 79, 9977-10002.	2.6	56
45	Hybrid bio-inspired user clustering for the generation of diversified recommendations. Neural Computing and Applications, 2020, 32, 2487-2506.	3.2	22
46	An IoT-based E-business model of intelligent vegetable greenhouses and its key operations management issues. Neural Computing and Applications, 2020, 32, 15341-15356.	3.2	36
47	2-Levels of clustering strategy to detect and locate copy-move forgery in digital images. Multimedia Tools and Applications, 2020, 79, 5419-5437.	2.6	32
48	Efficient Traceability Systems of Steel Products Using Blockchain-Based Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 6004-6012.	7.2	93
49	A Novel Intelligent Medical Decision Support Model Based on Soft Computing and IoT. IEEE Internet of Things Journal, 2020, 7, 4160-4170.	5.5	145
50	On the Stabilizability for a Class of Linear Time-Invariant Systems Under Uncertainty. Circuits, Systems, and Signal Processing, 2020, 39, 919-960.	1.2	17
51	A deep learning model and machine learning methods for the classification of potential coronavirus treatments on a single human cell. Journal of Nanoparticle Research, 2020, 22, 313.	0.8	14
52	Blockchain based integrated security measure for reliable service delegation in 6G communication environment. Computer Communications, 2020, 161, 248-256.	3.1	65
53	A deep transfer learning model with classical data augmentation and CGAN to detect COVID-19 from chest CT radiography digital images. Neural Computing and Applications, 2020, , 1-13.	3.2	153
54	Introduction to the special issue on deep learning for remote sensing environments. European Journal of Remote Sensing, 2020, 53, 1-3.	1.7	5

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55	Feature based video stabilization based on boosted HAAR Cascade and representative point matching algorithm. Image and Vision Computing, 2020, 101, 103957.	2.7	12
56	IOT based wearable sensor for diseases prediction and symptom analysis in healthcare sector. Peer-to-Peer Networking and Applications, 2020, 13, 2123-2134.	2.6	141
57	Guest Editorial: Advanced Machine Learning Algorithms and Signal Processing. Circuits, Systems, and Signal Processing, 2020, 39, 515-521.	1.2	0
58	EoT-driven hybrid ambient assisted living framework with naïve Bayes–firefly algorithm. Neural Computing and Applications, 2019, 31, 1275-1300.	3.2	36
59	Wearable IoT Smart-Log Patch: An Edge Computing-Based Bayesian Deep Learning Network System for Multi Access Physical Monitoring System. Sensors, 2019, 19, 3030.	2.1	172
60	An enhanced graph-based semi-supervised learning algorithm to detect fake users on Twitter. Journal of Supercomputing, 2019, 75, 6085-6105.	2.4	64
61	Research on Key Technologies of Smart Campus Teaching Platform Based on 5G Network. IEEE Access, 2019, 7, 20664-20675.	2.6	105
62	Human Lesion Detection Method Based on Image Information and Brain Signal. IEEE Access, 2019, 7, 11533-11542.	2.6	104
63	Brain Image Segmentation Based on Multi-Weight Probability Map. IEEE Access, 2019, 7, 14736-14746.	2.6	6
64	Real time violence detection framework for football stadium comprising of big data analysis and deep learning through bidirectional LSTM. Computer Networks, 2019, 151, 191-200.	3.2	93
65	Novel probabilistic resource migration algorithm for cross-cloud live migration of virtual machines in public cloud. Journal of Supercomputing, 2019, 75, 5848-5865.	2.4	19
66	SECRECSY: A Secure Framework for Enhanced Privacy-Preserving Location Recommendations in Cloud Environment. Wireless Personal Communications, 2019, 108, 1869-1907.	1.8	8
67	Hybrid Location-based Recommender System for Mobility and Travel Planning. Mobile Networks and Applications, 2019, 24, 1226-1239.	2.2	34
68	Automatic diagnosis of cardiac arrhythmia in electrocardiograms via multigranulation computing. Applied Soft Computing Journal, 2019, 80, 400-413.	4.1	12
69	Fog-assisted personalized healthcare-support system for remote patients with diabetes. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3747-3760.	3.3	65
70	Security situation assessment for massive MIMO systems for 5G communications. Future Generation Computer Systems, 2019, 98, 25-34.	4.9	35
71	D2D Communication Mode Selection and Resource Optimization Algorithm With Optimal Throughput in 5G Network. IEEE Access, 2019, 7, 25263-25273.	2.6	52
72	An efficient anonymous mutual authentication technique for providing secure communication in mobile cloud computing for smart city applications. Sustainable Cities and Society, 2019, 49, 101522.	5.1	103

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73	Research on Underwater Wireless Sensor Network and MAC Protocol and Location Algorithm. IEEE Access, 2019, 7, 56606-56616.	2.6	29
74	Design and Implementation of Networked Collaborative Service System for Brain Stroke Prevention and First Aid. IEEE Access, 2019, 7, 14825-14836.	2.6	7
75	Special issue on machine learning applications for self-organized wireless sensor networks. Neural Computing and Applications, 2019, 31, 1-2.	3.2	10
76	Neural Network Based Brain Tumor Detection Using Wireless Infrared Imaging Sensor. IEEE Access, 2019, 7, 5577-5588.	2.6	143
77	Emerging intelligent algorithms: challenges and applications. Neural Computing and Applications, 2019, 31, 1259-1262.	3.2	1
78	Machine Learning Approach-Based Gamma Distribution for Brain Tumor Detection and Data Sample Imbalance Analysis. IEEE Access, 2019, 7, 12-19.	2.6	124
79	Intelligent security algorithm for UNICODE data privacy and security in IOT. Service Oriented Computing and Applications, 2019, 13, 3-15.	1.3	63
80	A Group Decision Making Framework Based on Neutrosophic TOPSIS Approach for Smart Medical Device Selection. Journal of Medical Systems, 2019, 43, 38.	2.2	113
81	Brain Image Segmentation Based on FCM Clustering Algorithm and Rough Set. IEEE Access, 2019, 7, 12386-12396.	2.6	99
82	Bio-medical and latent fingerprint enhancement and matching using advanced scalable soft computing models. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3983-3995.	3.3	13
83	A novel method for solving the fully neutrosophic linear programming problems. Neural Computing and Applications, 2019, 31, 1595-1605.	3.2	71
84	Internet of things in smart education environment: Supportive framework in the decision€making process. Concurrency Computation Practice and Experience, 2019, 31, e4515.	1.4	180
85	In-Mapper combiner based MapReduce algorithm for processing of big climate data. Future Generation Computer Systems, 2018, 86, 433-445.	4.9	42
86	Stealthy attack detection in multi-channel multi-radio wireless networks. Multimedia Tools and Applications, 2018, 77, 18503-18526.	2.6	15
87	Secure Disintegration Protocol for Privacy Preserving Cloud Storage. Wireless Personal Communications, 2018, 103, 1161-1177.	1.8	29
88	HIoTPOT: Surveillance on IoT Devices against Recent Threats. Wireless Personal Communications, 2018, 103, 1179-1194.	1.8	61
89	A hybrid approach of neutrosophic sets and DEMATEL method for developing supplier selection criteria. Design Automation for Embedded Systems, 2018, 22, 257-278.	0.7	177
90	Spatial cumulative sum algorithm with big data analytics for climate change detection. Computers and Electrical Engineering, 2018, 65, 207-221.	3.0	102

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91	Visual analysis of geospatial habitat suitability model based on inverse distance weighting with paired comparison analysis. Multimedia Tools and Applications, 2018, 77, 17573-17593.	2.6	69
92	A Gaussian process based big data processing framework in cluster computing environment. Cluster Computing, 2018, 21, 189-204.	3.5	52
93	Wearable sensor devices for early detection of Alzheimer disease using dynamic time warping algorithm. Cluster Computing, 2018, 21, 681-690.	3.5	188
94	An adaptive decision based kriging interpolation algorithm for the removal of high density salt and pepper noise in images. Computers and Electrical Engineering, 2018, 70, 447-461.	3.0	67
95	A new architecture of Internet of Things and big data ecosystem for secured smart healthcare monitoring and alerting system. Future Generation Computer Systems, 2018, 82, 375-387.	4.9	392
96	Machine Learning Based Big Data Processing Framework for Cancer Diagnosis Using Hidden Markov Model and GM Clustering. Wireless Personal Communications, 2018, 102, 2099-2116.	1.8	175
97	A study on medical Internet of Things and Big Data in personalized healthcare system. Health Information Science and Systems, 2018, 6, 14.	3.4	220
98	Emerging trends, issues, and challenges in Internet of Medical Things and wireless networks. Personal and Ubiquitous Computing, 2018, 22, 879-882.	1.9	62
99	Internet of Things with Maximal Overlap Discrete Wavelet Transform for Remote Health Monitoring of Abnormal ECG Signals. Journal of Medical Systems, 2018, 42, 228.	2.2	55
100	Health data analytics using scalable logistic regression with stochastic gradient descent. International Journal of Advanced Intelligence Paradigms, 2018, 10, 118.	0.2	49
101	Special issue on recent advancements in machine learning algorithms for internet of things. Design Automation for Embedded Systems, 2018, 22, 199-200.	0.7	4
102	Ant colony optimization algorithm with Internet of Vehicles for intelligent traffic control system. Computer Networks, 2018, 144, 154-162.	3.2	123
103	Special issue on machine learning algorithms for internet of things, fog computing and cloud computing. Computing (Vienna/New York), 2018, 100, 757-758.	3.2	3
104	An intelligent decision support system to prevent and control of dengue. Journal of Ambient Intelligence and Humanized Computing, 2018, , 1.	3.3	1
105	Human-Computer Interaction With Big Data Analytics. Advances in Human and Social Aspects of Technology Book Series, 2018, , 1-22.	0.3	34
106	Centralized Fog Computing Security Platform for IoT and Cloud in Healthcare System. Advances in Data Mining and Database Management Book Series, 2018, , 141-154.	0.4	70
107	Architecture for Big Data Storage in Different Cloud Deployment Models. Advances in Data Mining and Database Management Book Series, 2018, , 196-226.	0.4	2
108	Big Data Security Framework for Distributed Cloud Data Centers. , 2018, , 589-607.		2

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109	Big Data Security Intelligence for Healthcare Industry 4.0. Springer Series in Advanced Manufacturing, 2017, , 103-126.	0.2	87
110	Big Data Analytics in Healthcare Internet of Things. Understanding Complex Systems, 2017, , 263-284.	0.3	82
111	Parametric Model to Predict H1N1 Influenza in Vellore District, Tamil Nadu, India. Handbook of Statistics, 2017, 37, 301-316.	0.4	16
112	A survey of big data architectures and machine learning algorithms in healthcare. International Journal of Biomedical Engineering and Technology, 2017, 25, 182.	0.2	95
113	Disease Surveillance System for Big Climate Data Processing and Dengue Transmission. International Journal of Ambient Computing and Intelligence, 2017, 8, 88-105.	0.8	57
114	Big Data Knowledge System in Healthcare. Studies in Big Data, 2017, , 133-157.	0.8	83
115	Big Data Security Framework for Distributed Cloud Data Centers. Advances in Information Security, Privacy, and Ethics Book Series, 2017, , 288-310.	0.4	32
116	MetaCloudDataStorage Architecture for Big Data Security in Cloud Computing. Procedia Computer Science, 2016, 87, 128-133.	1.2	87
117	Assessment of Vaccination Strategies Using Fuzzy Multi-criteria Decision Making. Advances in Intelligent Systems and Computing, 2015, , 195-208.	0.5	44
118	Spatial big data analytics of influenza epidemic in Vellore, India. , 2014, 2014, 19-24.		65
119	A comprehensive review of quadratic assignment problem: variants, hybrids and applications. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	32
120	Perception, acceptance and willingness of older adults in Malaysia towards online shopping: a study using the UTAUT and IRT models. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	32
121	Threshold segmentation based multi-layer analysis for detecting diabetic retinopathy using convolution neural network. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	21
122	Disease Surveillance System for Big Climate Data Processing and Dengue Transmission. , 0, , 427-446.		12
123	Centralized Fog Computing Security Platform for IoT and Cloud in Healthcare System. , 0, , 365-378.		60