

Dr K Shankar

List of Publications by Year in descending order

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Version: 2024-02-01

128
papers

5,924
citations

66315

42
h-index

88593

70
g-index

140
all docs

140
docs citations

140
times ranked

3365
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal deep learning model for classification of lung cancer on CT images. Future Generation Computer Systems, 2019, 92, 374-382.	4.9	316
2	Automated detection and classification of fundus diabetic retinopathy images using synergic deep learning model. Pattern Recognition Letters, 2020, 133, 210-216.	2.6	182
3	Secure blockchain enabled Cyber-physical systems in healthcare using deep belief network with ResNet model. Journal of Parallel and Distributed Computing, 2021, 153, 150-160.	2.7	164
4	Hyperparameter Tuning Deep Learning for Diabetic Retinopathy Fundus Image Classification. IEEE Access, 2020, 8, 118164-118173.	2.6	151
5	An efficient Lightweight integrated Blockchain (ELIB) model for IoT security and privacy. Future Generation Computer Systems, 2020, 102, 1027-1037.	4.9	150
6	Optimal bilateral filter and Convolutional Neural Network based denoising method of medical image measurements. Measurement: Journal of the International Measurement Confederation, 2019, 143, 125-135.	2.5	147
7	Optimal Feature Selection-Based Medical Image Classification Using Deep Learning Model in Internet of Medical Things. IEEE Access, 2020, 8, 58006-58017.	2.6	145
8	Hybridization of firefly and Improved Multi-Objective Particle Swarm Optimization algorithm for energy efficient load balancing in Cloud Computing environments. Journal of Parallel and Distributed Computing, 2020, 142, 36-45.	2.7	131
9	An Effective Training Scheme for Deep Neural Network in Edge Computing Enabled Internet of Medical Things (IoMT) Systems. IEEE Access, 2020, 8, 107112-107123.	2.6	126
10	Intelligent Diagnostic Prediction and Classification System for Chronic Kidney Disease. Scientific Reports, 2019, 9, 9583.	1.6	120
11	Deep learning model for real-time image compression in Internet of Underwater Things (IoUT). Journal of Real-Time Image Processing, 2020, 17, 2097-2111.	2.2	119
12	Effective Features to Classify Big Data Using Social Internet of Things. IEEE Access, 2018, 6, 24196-24204.	2.6	104
13	Reliable Data Transmission Model for Mobile Ad Hoc Network Using Signcryption Technique. IEEE Transactions on Reliability, 2020, 69, 1077-1086.	3.5	104
14	Random forest for big data classification in the internet of things using optimal features. International Journal of Machine Learning and Cybernetics, 2019, 10, 2609-2618.	2.3	100
15	Alzheimer detection using Group Grey Wolf Optimization based features with convolutional classifier. Computers and Electrical Engineering, 2019, 77, 230-243.	3.0	98
16	An Efficient Optimal Key Based Chaos Function for Medical Image Security. IEEE Access, 2018, 6, 77145-77154.	2.6	97
17	Deep learning with LSTM based distributed data mining model for energy efficient wireless sensor networks. Physical Communication, 2020, 40, 101097.	1.2	97
18	IoT enabled depthwise separable convolution neural network with deep support vector machine for COVID-19 diagnosis and classification. International Journal of Machine Learning and Cybernetics, 2021, 12, 3235-3248.	2.3	94

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19	Financial crisis prediction model using ant colony optimization. International Journal of Information Management, 2020, 50, 538-556.	10.5	92
20	Automatic Vehicle License Plate Recognition Using Optimal K-Means With Convolutional Neural Network for Intelligent Transportation Systems. IEEE Access, 2020, 8, 92907-92917.	2.6	90
21	Online clinical decision support system using optimal deep neural networks. Applied Soft Computing Journal, 2019, 81, 105487.	4.1	86
22	An efficient hierarchical clustering protocol for multihop Internet of vehicles communication. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3690.	2.6	82
23	Highly Reliable and Low-Complexity Image Compression Scheme Using Neighborhood Correlation Sequence Algorithm in WSN. IEEE Transactions on Reliability, 2020, 69, 1398-1423.	3.5	74
24	A novel hand-crafted with deep learning features based fusion model for COVID-19 diagnosis and classification using chest X-ray images. Complex & Intelligent Systems, 2021, 7, 1277-1293.	4.0	74
25	Deep learning based an automated skin lesion segmentation and intelligent classification model. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 3245-3255.	3.3	73
26	An effect of big data technology with ant colony optimization based routing in vehicular ad hoc networks: Towards smart cities. Journal of Cleaner Production, 2019, 217, 584-593.	4.6	71
27	Effective features to classify ovarian cancer data in internet of medical things. Computer Networks, 2019, 159, 147-156.	3.2	70
28	Improved artificial bee colony optimization based clustering algorithm for SMART sensor environments. Peer-to-Peer Networking and Applications, 2020, 13, 1071-1079.	2.6	65
29	Privacy Preserving Blockchain Technique to Achieve Secure and Reliable Sharing of IoT Data. Computers, Materials and Continua, 2020, 65, 87-107.	1.5	62
30	Medical Image Security Using Dual Encryption with Oppositional Based Optimization Algorithm. Journal of Medical Systems, 2018, 42, 208.	2.2	61
31	Region-based scalable smart system for anomaly detection in pedestrian walkways. Computers and Electrical Engineering, 2019, 75, 146-160.	3.0	59
32	RGB based multiple share creation in visual cryptography with aid of elliptic curve cryptography. China Communications, 2017, 14, 118-130.	2.0	58
33	An evolutionary lion optimization algorithm based image compression technique for biomedical applications. Expert Systems, 2021, 38, .	2.9	58
34	Optimal tuning of decentralized fractional order PID controllers for TITO process using equivalent transfer function. Cognitive Systems Research, 2019, 58, 292-303.	1.9	55
35	Optimal feature level fusion based ANFIS classifier for brain MRI image classification. Concurrency Computation Practice and Experience, 2020, 32, e4887.	1.4	52
36	A Deep Learning Model Based on Multi-Objective Particle Swarm Optimization for Scene Classification in Unmanned Aerial Vehicles. IEEE Access, 2020, 8, 135383-135393.	2.6	52

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37	An enhanced whale optimization algorithm for vehicular communication networks. International Journal of Communication Systems, 2022, 35, e3953.	1.6	49
38	RGB-Based Secure Share Creation in Visual Cryptography Using Optimal Elliptic Curve Cryptography Technique. Journal of Circuits, Systems and Computers, 2016, 25, 1650138.	1.0	47
39	An Optimal Least Square Support Vector Machine Based Earnings Prediction of Blockchain Financial Products. IEEE Access, 2020, 8, 120321-120330.	2.6	46
40	Optimal deep learning based image compression technique for data transmission on industrial Internet of things applications. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3976.	2.6	45
41	An automated deep learning based anomaly detection in pedestrian walkways for vulnerable road users safety. Safety Science, 2021, 142, 105356.	2.6	44
42	Ranking Analysis for Online Customer Reviews of Products Using Opinion Mining with Clustering. Complexity, 2018, 2018, 1-9.	0.9	43
43	An efficient <sc>radix trie</sc>-based semantic visual indexing model for <sc>large-scale</sc> image retrieval in cloud environment. Software - Practice and Experience, 2021, 51, 489-502.	2.5	43
44	Synergic Deep Learning for Smart Health Diagnosis of COVID-19 for Connected Living and Smart Cities. ACM Transactions on Internet Technology, 2022, 22, 1-14.	3.0	42
45	Improved grey wolf optimization-based feature subset selection with fuzzy neural classifier for financial crisis prediction. Soft Computing, 2020, 24, 101-110.	2.1	40
46	Deep neural network with moth search optimization algorithm based detection and classification of diabetic retinopathy images. SN Applied Sciences, 2020, 2, 1.	1.5	40
47	Efficient artificial fish swarm based clustering approach on mobility aware energy-efficient for MANET. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3524.	2.6	39
48	Swarm intelligence-based energy efficient clustering with multihop routing protocol for sustainable wireless sensor networks. International Journal of Distributed Sensor Networks, 2020, 16, 155014772094913.	1.3	38
49	A Novel Hybrid Optimization for Cluster-Based Routing Protocol in Information-Centric Wireless Sensor Networks for IoT Based Mobile Edge Computing. Wireless Personal Communications, 2022, 127, 39-62.	1.8	38
50	Sharing a Secret Image with Encapsulated Shares in Visual Cryptography. Procedia Computer Science, 2015, 70, 462-468.	1.2	36
51	An optimal cascaded recurrent neural network for intelligent COVID-19 detection using Chest X-ray images. Applied Soft Computing Journal, 2021, 113, 107878.	4.1	36
52	Blockchain and artificial intelligence enabled privacy-preserving medical data transmission in Internet of Things. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4360.	2.6	35
53	Energy Efficient Optimal Routing for Communication in VANETs via Clustering Model. Studies in Systems, Decision and Control, 2020, , 1-14.	0.8	34
54	Energy efficient clustering with disease diagnosis model for IoT based sustainable healthcare systems. Sustainable Computing: Informatics and Systems, 2020, 28, 100453.	1.6	33

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55	Synergic deep learning model-based automated detection and classification of brain intracranial hemorrhage images in wearable networks. <i>Personal and Ubiquitous Computing</i> , 2022, 26, 1-10.	1.9	33
56	Data Encryption for Internet of Things Applications Based on Catalan Objects and Two Combinatorial Structures. <i>IEEE Transactions on Reliability</i> , 2021, 70, 819-830.	3.5	33
57	Blockchain-assisted secure image transmission and diagnosis model on Internet of Medical Things Environment. <i>Personal and Ubiquitous Computing</i> , 2024, 28, 17-27.	1.9	32
58	Toward Blockchain-Enabled Privacy-Preserving Data Transmission in Cluster-Based Vehicular Networks. <i>Electronics (Switzerland)</i> , 2020, 9, 1358.	1.8	28
59	Resource Provisioning for Cyber-Physical-Social System in Cloud-Fog-Edge Computing Using Optimal Flower Pollination Algorithm. <i>IEEE Access</i> , 2020, 8, 105311-105319.	2.6	27
60	An Efficient Image Encryption Technique Based on Optimized Key Generation in ECC Using Genetic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 705-714.	0.5	26
61	ECG data optimization for biometric human recognition using statistical distributed machine learning algorithm. <i>Journal of Supercomputing</i> , 2020, 76, 858-875.	2.4	25
62	Optimal Deep Learning based Convolution Neural Network for digital forensics Face Sketch Synthesis in internet of things (IoT). <i>International Journal of Machine Learning and Cybernetics</i> , 2021, 12, 3249-3260.	2.3	25
63	Reliable Multi-Object Tracking Model Using Deep Learning and Energy Efficient Wireless Multimedia Sensor Networks. <i>IEEE Access</i> , 2020, 8, 213426-213436.	2.6	24
64	Energy Efficient Neuro-Fuzzy Cluster based Topology Construction with Metaheuristic Route Planning Algorithm for Unmanned Aerial Vehicles. <i>Computer Networks</i> , 2021, 196, 108214.	3.2	23
65	Dynamic customer churn prediction strategy for business intelligence using text analytics with evolutionary optimization algorithms. <i>Information Processing and Management</i> , 2021, 58, 102706.	5.4	23
66	Bat optimization algorithm with fuzzy based PIT sharing (BF-PIT) algorithm for Named Data Networking (NDN). <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 293-300.	0.8	22
67	Deep Learning Enabled Data Offloading With Cyber Attack Detection Model in Mobile Edge Computing Systems. <i>IEEE Access</i> , 2020, 8, 185938-185949.	2.6	22
68	Fine-Tuned Residual Network-Based Features With Latent Variable Support Vector Machine-Based Optimal Scene Classification Model for Unmanned Aerial Vehicles. <i>IEEE Access</i> , 2020, 8, 118396-118404.	2.6	22
69	An Efficient Framework for Secure Image Archival and Retrieval System Using Multiple Secret Share Creation Scheme. <i>IEEE Access</i> , 2020, 8, 144310-144320.	2.6	22
70	Application of discrete transforms with selective coefficients for blind image watermarking. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021, 32, e3771.	2.6	22
71	An effective metaheuristic based node localization technique for wireless sensor networks enabled indoor communication. <i>Physical Communication</i> , 2021, 48, 101411.	1.2	22
72	Adaptive optimal multi key based encryption for digital image security. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5122.	1.4	21

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73	Multi-objective rain optimization algorithm with WELM model for customer churn prediction in telecommunication sector. <i>Complex & Intelligent Systems</i> , 2023, 9, 3473-3485.	4.0	21
74	Enabling Unmanned Aerial Vehicle Borne Secure Communication With Classification Framework for Industry 5.0. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 5477-5484.	7.2	21
75	A new k out of n secret image sharing scheme in visual cryptography. , 2016, , .		20
76	A multi-scale and rotation-invariant phase pattern (MRIPP) and a stack of restricted Boltzmann machine (RBM) with preprocessing for facial expression classification. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 3447-3463.	3.3	20
77	Human Signature Identification Using IoT Technology and Gait Recognition. <i>Electronics (Switzerland)</i> , 2021, 10, 852.	1.8	20
78	Deep learning and evolutionary intelligence with fusion-based feature extraction for detection of COVID-19 from chest X-ray images. <i>Multimedia Systems</i> , 2022, 28, 1175-1187.	3.0	20
79	Optimal multiple key-based homomorphic encryption with deep neural networks to secure medical data transmission and diagnosis. <i>Expert Systems</i> , 2022, 39, .	2.9	20
80	An Efficient Image Encryption Scheme Based on Signcryption Technique with Adaptive Elephant Herding Optimization. <i>Advanced Sciences and Technologies for Security Applications</i> , 2019, , 31-42.	0.4	19
81	Macro geometry multi-objective optimization of planetary gearbox considering scuffing constraint. <i>Mechanism and Machine Theory</i> , 2020, 154, 104045.	2.7	19
82	An IoT-Cloud Based Intelligent Computer-aided Diagnosis of Diabetic Retinopathy Stage Classification Using Deep Learning Approach. <i>Computers, Materials and Continua</i> , 2021, 66, 1665-1680.	1.5	19
83	Energy-efficient cluster-based unmanned aerial vehicle networks with deep learning-based scene classification model. <i>International Journal of Communication Systems</i> , 2021, 34, e4786.	1.6	19
84	Computational Intelligence-Based Financial Crisis Prediction Model Using Feature Subset Selection with Optimal Deep Belief Network. <i>Big Data</i> , 2021, 9, 100-115.	2.1	19
85	A review-classification of electrooculogram based human computer interfaces. <i>Biomedical Research (Aligarh, India)</i> , 2018, 29, .	0.1	18
86	Secure Data Transmission Through Reliable Vehicles in VANET Using Optimal Lightweight Cryptography. <i>Advanced Sciences and Technologies for Security Applications</i> , 2019, , 193-204.	0.4	17
87	Hierarchical symbolic analysis and particle swarm optimization based fault diagnosis model for rotating machineries with deep neural networks. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108771.	2.5	16
88	Metaheuristic Clustering Protocol for Healthcare Data Collection in Mobile Wireless Multimedia Sensor Networks. <i>Computers, Materials and Continua</i> , 2021, 66, 3215-3231.	1.5	16
89	Optimal routing strategy based on extreme learning machine with beetle antennae search algorithm for Low Earth Orbit satellite communication networks. <i>International Journal of Satellite Communications and Networking</i> , 2021, 39, 305-317.	1.2	15
90	An intelligent energy management and traffic predictive model for autonomous vehicle systems. <i>Soft Computing</i> , 2021, 25, 11941-11953.	2.1	15

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91	Charismatic Document Clustering Through Novel K-Means Non-negative Matrix Factorization (KNMF) Algorithm Using Key Phrase Extraction. International Journal of Parallel Programming, 2020, 48, 496-514.	1.1	14
92	Automatic Vehicle License Plate Recognition Using Optimal Deep Learning Model. Computers, Materials and Continua, 2021, 67, 1881-1897.	1.5	14
93	Chaotic Sparrow Search Algorithm with Deep Transfer Learning Enabled Breast Cancer Classification on Histopathological Images. Cancers, 2022, 14, 2770.	1.7	13
94	Optimal Feature Selection for Chronic Kidney Disease Classification using Deep Learning Classifier. , 2018, , .		12
95	Blockchain enabled energy efficient red deer algorithm based clustering protocol for pervasive wireless sensor networks. Sustainable Computing: Informatics and Systems, 2020, 28, 100464.	1.6	12
96	Access control and classifier-based blockchain technology in e-healthcare applications. , 2020, , 151-167.		10
97	Automated COVID-19 diagnosis and classification using convolutional neural network with fusion based feature extraction model. Cognitive Neurodynamics, 2023, 17, 1-14.	2.3	9
98	Segment routing based energy aware routing for software defined data center. Cognitive Systems Research, 2020, 64, 146-163.	1.9	8
99	Internet of Things Enabled Financial Crisis Prediction in Enterprises Using Optimal Feature Subset Selection-Based Classification Model. Big Data, 2021, 9, 331-342.	2.1	8
100	Hyperparameter search based convolution neural network with Bi-LSTM model for intrusion detection system in multimedia big data environment. Multimedia Tools and Applications, 2022, 81, 34951-34968.	2.6	7
101	Secure and Optimal Secret Sharing Scheme for Color Images. Mathematics, 2021, 9, 2360.	1.1	7
102	Privacy Preservation in Edge Consumer Electronics by Combining Anomaly Detection with Dynamic Attribute-Based Re-Encryption. Mathematics, 2020, 8, 1871.	1.1	6
103	Multi-objective optimisation of a small aircraft turbine engine rotor system with self-updating Rayleigh damping model and frequency-dependent bearing-pedestal model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 5710-5723.	1.1	5
104	An Optimal Singular Value Decomposition with LWC-RECTANGLE Block Cipher Based Digital Image Watermarking in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 83-98.	0.3	4
105	An Optimal Lightweight Cryptographic Hash Function for Secure Image Transmission in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 49-64.	0.3	4
106	Introduction to Multimedia Tools and Applications. , 2019, , 3-14.		3
107	Hash Function Based Optimal Block Chain Model for the Internet of Things (IoT). , 2019, , 289-300.		3
108	Secure Optimal k-NN on Encrypted Cloud Data using Homomorphic Encryption with Query Users. , 2018, , .		2

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109	Multiobjective optimization of rotor-bearing systems with an investigation of goal programming approach. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4270-4287.	1.1	2
110	Opinion mining analysis of e-commerce sites using fuzzy clustering with whale optimization techniques. , 2019, , 67-79.		2
111	Blockchain-based secure data sharing scheme using image steganography and encryption techniques for telemedicine applications. , 2022, , 97-108.		2
112	Optimal Lightweight Encryption Based Secret Share Creation Scheme for Digital Images in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 115-129.	0.3	1
113	An Optimal Lightweight RECTANGLE Block Cipher for Secure Image Transmission in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 33-47.	0.3	1
114	Multiple Share Creation with Optimal Hash Function for Image Security in WSN Aid of OGWO. Lecture Notes in Electrical Engineering, 2019, , 131-146.	0.3	1
115	An Optimal Haar Wavelet with Light Weight Cryptography Based Secret Data Hiding on Digital Images in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 65-81.	0.3	1
116	An Optimal Light Weight Cryptographyâ€™SIMON Block Cipher for Secure Image Transmission in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 17-32.	0.3	1
117	Channel usability pattern guided spectrum prediction and sensing. Journal of Intelligent and Fuzzy Systems, 2019, 37, 275-282.	0.8	1
118	Mobility and QoS Analysis in VANET Using NMP with Salp Optimization Models. Studies in Systems, Decision and Control, 2020, , 15-26.	0.8	1
119	IoT with Cloud Based End to End Secured Disease Diagnosis Model using Light Weight Cryptography and Gradient Boosting Tree. Recent Advances in Computer Science and Communications, 2020, 13, .	0.5	1
120	Automated Detection and Classification of COVID-19 from Chest X-ray Images Using Deep Learning. Journal of Computational and Theoretical Nanoscience, 2020, 17, 5457-5463.	0.4	1
121	Landing Response Analysis on High-Performance Aircraft[*] Using Estimated Touchdown States. SAE International Journal of Aerospace, 0, 12, 23-39.	4.0	0
122	Optimal Data Hiding Key in Encrypted Images Based Digital Image Security in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 99-113.	0.3	0
123	Classifying the Level of Economic of Citizen Using Fuzzy Multiple Attribute Decision Making. Applied Mechanics and Materials, 2019, 892, 88-93.	0.2	0
124	Designing Communication System for Person with Locked in Syndrome Using Machine Learning Technique. , 2019, , .		0
125	An Extensive Overview of Wearable Technologies in the Healthcare Sector. , 2021, , 23-32.		0
126	Optimal Stream Encryption for Multiple Shares of Images by Improved Cuckoo Search Model. Lecture Notes in Electrical Engineering, 2019, , 147-161.	0.3	0

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127	Electronic educational resources in the process training. Religaci3n Revista De Ciencias Sociales Y Humanidades, 2020, 5, 90-95.	0.0	0
128	Preface: Special Issue "Adaptive Technologies and Personalised Learning", Journal of Information and Knowledge Management, 0, , .	0.8	0