

Kathiravan Srinivasan

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

2,086
citations

318942

23
h-index

325983

40
g-index

130
all docs

130
docs citations

130
times ranked

1859
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Event-Driven Acquisition and Machine-Learning-Based Efficient Prediction of the Li-Ion Battery Capacity. SN Computer Science, 2022, 3, 15. | 2.3 | 4 |
| 2 | Rainfall Forecasting Using Machine Learning Algorithms for Localized Events. Computers, Materials and Continua, 2022, 71, 6333-6350. | 1.5 | 4 |
| 3 | A Contemporary Review on Utilizing Semantic Web Technologies in Healthcare, Virtual Communities, and Ontology-Based Information Processing Systems. Electronics (Switzerland), 2022, 11, 453. | 1.8 | 15 |
| 4 | A Joint Resource Allocation, Security with Efficient Task Scheduling in Cloud Computing Using Hybrid Machine Learning Techniques. Sensors, 2022, 22, 1242. | 2.1 | 49 |
| 5 | Biometric Authentication for Intelligent and Privacy-Preserving Healthcare Systems. Journal of Healthcare Engineering, 2022, 2022, 1-15. | 1.1 | 7 |
| 6 | A Systematic Review on Machine Learning and Deep Learning Models for Electronic Information Security in Mobile Networks. Sensors, 2022, 22, 2017. | 2.1 | 35 |
| 7 | Leveraging Computational Intelligence Techniques for Defensive Deception: A Review, Recent Advances, Open Problems and Future Directions. Sensors, 2022, 22, 2194. | 2.1 | 12 |
| 8 | A Multistage Heterogeneous Stacking Ensemble Model for Augmented Infant Cry Classification. Frontiers in Public Health, 2022, 10, 819865. | 1.3 | 9 |
| 9 | Recent Advances in Evolving Computing Paradigms: Cloud, Edge, and Fog Technologies. Sensors, 2022, 22, 196. | 2.1 | 34 |
| 10 | Distributed Secure Computing for Smart Mobile IoT Networks. Mobile Information Systems, 2022, 2022, 1-2. | 0.4 | 0 |
| 11 | Multimodal Medical Image Fusion of Positron Emission Tomography and Magnetic Resonance Imaging Using Generative Adversarial Networks. Behavioural Neurology, 2022, 2022, 1-12. | 1.1 | 10 |
| 12 | Early Diagnosis of Retinal Blood Vessel Damage via Deep Learning-Powered Collective Intelligence Models. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-13. | 0.7 | 1 |
| 13 | Fuzzy Logic-Based Health Monitoring System for COVID-19 Patients. Computers, Materials and Continua, 2021, 67, 2431-2447. | 1.5 | 25 |
| 14 | Eye Gaze Detection Based on Computational Visual Perception and Facial Landmarks. Computers, Materials and Continua, 2021, 68, 2545-2561. | 1.5 | 3 |
| 15 | Intelligent Gym Exercise Classification Using Neural Networks. Learning and Analytics in Intelligent Systems, 2021, , 179-187. | 0.5 | 0 |
| 16 | Classifying CT scan images based on contrast material and age of a person: ConvNets approach. , 2021, , 105-118. | | 6 |
| 17 | Role of M-CORD Computing Architecture for Over the Top (OTT) Services and Applications. Learning and Analytics in Intelligent Systems, 2021, , 75-86. | 0.5 | 1 |
| 18 | Realizing a Ultra-Low Latency M-CORD Model for Real-Time Traffic Settings in Smart Cities. Advances in Computer and Electrical Engineering Book Series, 2021, , 93-105. | 0.2 | 1 |

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| 19 | Early Tumor Diagnosis in Brain MR Images via Deep Convolutional Neural Network Model. Computers, Materials and Continua, 2021, 68, 2413-2429. | 1.5 | 11 |
| 20 | Performance Assessment of Certain Machine Learning Models for Predicting the Major Depressive Disorder among IT Professionals during Pandemic times. Computational Intelligence and Neuroscience, 2021, 2021, 1-12. | 1.1 | 3 |
| 21 | Contemporary Progresses in Ultrasonic Welding of Aluminum Metal Matrix Composites. Frontiers in Materials, 2021, 8, . | 1.2 | 24 |
| 22 | Deep CNN and Deep GAN in Computational Visual Perception-Driven Image Analysis. Complexity, 2021, 2021, 1-30. | 0.9 | 36 |
| 23 | Machine Learning Prediction Models for Chronic Kidney Disease Using National Health Insurance Claim Data in Taiwan. Healthcare (Switzerland), 2021, 9, 546. | 1.0 | 47 |
| 24 | Deep Learning Assisted Neonatal Cry Classification via Support Vector Machine Models. Frontiers in Public Health, 2021, 9, 670352. | 1.3 | 16 |
| 25 | Hybrid Inception v3 XGBoost Model for Acute Lymphoblastic Leukemia Classification. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-10. | 0.7 | 37 |
| 26 | Automatic Hate Speech Detection in English-Odia Code Mixed Social Media Data Using Machine Learning Techniques. Applied Sciences (Switzerland), 2021, 11, 8575. | 1.3 | 10 |
| 27 | Performance Evaluation of Regression Models for the Prediction of the COVID-19 Reproduction Rate. Frontiers in Public Health, 2021, 9, 729795. | 1.3 | 11 |
| 28 | Evaluating Deep Neural Network Architectures with Transfer Learning for Pneumonitis Diagnosis. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-12. | 0.7 | 9 |
| 29 | A Contemporary Review on Drought Modeling Using Machine Learning Approaches. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 447-487. | 0.8 | 21 |
| 30 | An Efficient Sound and Data Steganography Based Secure Authentication System. Computers, Materials and Continua, 2021, 67, 723-751. | 1.5 | 13 |
| 31 | Performance Comparison of Deep CNN Models for Detecting Driver's Distraction. Computers, Materials and Continua, 2021, 68, 4109-4124. | 1.5 | 51 |
| 32 | Expert System for Stable Power Generation Prediction in Microbial Fuel Cell. Intelligent Automation and Soft Computing, 2021, 29, 17-30. | 1.6 | 5 |
| 33 | CryptoCert. , 2021, , 293-313. | | 2 |
| 34 | Recent Advances on IoT-Assisted Wearable Sensor Systems for Healthcare Monitoring. Biosensors, 2021, 11, 372. | 2.3 | 81 |
| 35 | Improving the Classification of Alzheimer's Disease Using Hybrid Gene Selection Pipeline and Deep Learning. Frontiers in Genetics, 2021, 12, 784814. | 1.1 | 12 |
| 36 | An Efficient Classification of Neonates Cry Using Extreme Gradient Boosting-Assisted Grouped-Support-Vector Network. Journal of Healthcare Engineering, 2021, 2021, 1-14. | 1.1 | 23 |

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| 37 | The smart pill sticker: Introducing a smart pill management system based on touch-point technology. Health Informatics Journal, 2021, 27, 146045822110528. | 1.1 | 2 |
| 38 | A Hybrid Framework for Intrusion Detection in Healthcare Systems Using Deep Learning. Frontiers in Public Health, 2021, 9, 824898. | 1.3 | 19 |
| 39 | Ontology-Enabled Emotional Sentiment Analysis on COVID-19 Pandemic-Related Twitter Streams. Frontiers in Public Health, 2021, 9, 798905. | 1.3 | 7 |
| 40 | Realizing the Effective Detection of Tumor in Magnetic Resonance Imaging using Cluster-Sparse Assisted Super-Resolution. Open Biomedical Engineering Journal, 2021, 15, 170-179. | 0.7 | 4 |
| 41 | SFFSâ€“SVM based prostate carcinoma diagnosis in DCE-MRI via ACM segmentation. Multidimensional Systems and Signal Processing, 2020, 31, 689-710. | 1.7 | 3 |
| 42 | Hybrid context enriched deep learning model for fine-grained sentiment analysis in textual and visual semiotic modality social data. Information Processing and Management, 2020, 57, 102141. | 5.4 | 125 |
| 43 | Quality Assessment of Tire Shearography Images via Ensemble Hybrid Faster Region-Based ConvNets. Electronics (Switzerland), 2020, 9, 45. | 1.8 | 20 |
| 44 | Improved Diver Communication System by Combining Optical and Electromagnetic Trackers. Sensors, 2020, 20, 5084. | 2.1 | 5 |
| 45 | Machine Learning Based Computational Gene Selection Models: A Survey, Performance Evaluation, Open Issues, and Future Research Directions. Frontiers in Genetics, 2020, 11, 603808. | 1.1 | 41 |
| 46 | A Hybrid CFS Filter and RF-RFE Wrapper-Based Feature Extraction for Enhanced Agricultural Crop Yield Prediction Modeling. Agriculture (Switzerland), 2020, 10, 400. | 1.4 | 38 |
| 47 | HEALTH OF THINGS MODEL FOR CLASSIFYING HUMAN HEART SOUND SIGNALS USING CO-OCCURRENCE MATRIX AND SPECTROGRAM. Journal of Mechanics in Medicine and Biology, 2020, 20, 2050040. | 0.3 | 3 |
| 48 | Performance Comparison of Advanced Ceramic Cladding Approaches via Solid-State and Traditional Welding Processes: A Review. Materials, 2020, 13, 5805. | 1.3 | 11 |
| 49 | Network Anomaly Detection inside Consumer Networksâ€“A Hybrid Approach. Electronics (Switzerland), 2020, 9, 923. | 1.8 | 23 |
| 50 | Sensor-Assisted Assessment of the Tribological Behavior Patterns of AA7075 Hybrid MMC Reinforced with Multi-Wall Carbon Nanotubes and Pulverized Fuel Ash. Materials, 2020, 13, 2583. | 1.3 | 6 |
| 51 | Realizing a Novel Friction Stir Processing-Enabled FWTPET Process for Strength Enhancement Using Firefly and PSO Methods. Materials, 2020, 13, 728. | 1.3 | 3 |
| 52 | Ultrasonic Sensors-Assisted Corrosion Studies on Surface Coated AlSi9Cu3 Alloy Die Castings. Coatings, 2020, 10, 85. | 1.2 | 3 |
| 53 | SVM-Enabled Intelligent Genetic Algorithmic Model for Realizing Efficient Universal Feature Selection in Breast Cyst Image Acquired via Ultrasound Sensing Systems. Sensors, 2020, 20, 432. | 2.1 | 6 |
| 54 | An Efficient Hybrid Fuzzy-Clustering Driven 3D-Modeling of Magnetic Resonance Imagery for Enhanced Brain Tumor Diagnosis. Electronics (Switzerland), 2020, 9, 475. | 1.8 | 13 |

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| 55 | Realizing a Stacking Generalization Model to Improve the Prediction Accuracy of Major Depressive Disorder in Adults. IEEE Access, 2020, 8, 49509-49522. | 2.6 | 19 |
| 56 | Realizing an Integrated Multistage Support Vector Machine Model for Augmented Recognition of Unipolar Depression. Electronics (Switzerland), 2020, 9, 647. | 1.8 | 16 |
| 57 | Assessing the Performance of Container Technologies for the Internet of Things Based Application. Studies in Computational Intelligence, 2020, , 211-233. | 0.7 | 1 |
| 58 | Quality Assessment of Friction Welding using Image Super-resolution via Deep Convolutional Neural Networks. Materials Today: Proceedings, 2020, 22, 2266-2273. | 0.9 | 13 |
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| 60 | A Multifaceted Vigilare System for Intelligent Transportation Services in Smart Cities. IEEE Internet of Things Magazine, 2020, 3, 76-80. | 2.0 | 9 |
| 61 | An insight on UAV/drone autonomous navigation methods and applications: a review. International Journal of Social Humanistic Computing, 2020, 3, 245. | 0.3 | 1 |
| 62 | An insight on UAV/drone autonomous navigation methods and applications: a review. International Journal of Social Humanistic Computing, 2020, 3, 245. | 0.3 | 0 |
| 63 | A Smart Trolley for Smart Shopping. , 2020, , . | | 9 |
| 64 | An Efficient Computational Model for Assessing the Stability Characteristics of Electro-active Natural Bio-resources. Recent Advances in Computer Science and Communications, 2020, 13, 771-780. | 0.5 | 0 |
| 65 | Deep Convolutional Neural Network based Feature Extraction with optimized Machine Learning Classifier in Infant Cry Classification. , 2020, , . | | 2 |
| 66 | A novel method for determination of a time period for stabilization of power generation of microbial fuel cell with effect of microorganisms. International Journal of Energy Research, 2019, 43, 5834-5840. | 2.2 | 9 |
| 67 | An Efficient Ensemble VTOPES Multi-Criteria Decision-Making Model for Sustainable Sugarcane Farms. Sustainability, 2019, 11, 4288. | 1.6 | 17 |
| 68 | Virtual reality among the elderly: a usefulness and acceptance study from Taiwan. BMC Geriatrics, 2019, 19, 223. | 1.1 | 110 |
| 69 | Sensors Driven AI-Based Agriculture Recommendation Model for Assessing Land Suitability. Sensors, 2019, 19, 3667. | 2.1 | 125 |
| 70 | Experimental and artificial intelligence for determination of stable criteria in cyclic voltammetric process of medicinal herbs for biofuel cells. International Journal of Energy Research, 2019, 43, 5983-5991. | 2.2 | 12 |
| 71 | Reduction of Artefacts in JPEG-XR Compressed Images. Sensors, 2019, 19, 1214. | 2.1 | 5 |
| 72 | 5G Security: Concepts and Challenges. , 2019, , 1-43. | | 10 |

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| 73 | EFF-FAS: enhanced fruit fly optimisation based search and tracking by flying ad hoc swarm. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 30, 161. | 0.3 | 1 |
| 74 | An Overview into the Aspects of Fake Product Reviews, its Manipulation, and its Effects and Monitoring. , 2019, , . | | 4 |
| 75 | Application of LSTM neural network for consumer electronics stock market. , 2019, , . | | 0 |
| 76 | A Study on Virtual and Augmented Reality in Real-Time Surgery. , 2019, , . | | 4 |
| 77 | An Efficient and Unique TF/IDF Algorithmic Model-Based Data Analysis for Handling Applications with Big Data Streaming. Electronics (Switzerland), 2019, 8, 1331. | 1.8 | 41 |
| 78 | Smart assessment of environment assisted cracking of grade 92 material using different test solutions. Materials Research Express, 2019, 6, 1265h2. | 0.8 | 0 |
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| 80 | Preoperative Virtual Reality Based Intelligent Approach for Minimizing Patient Anxiety Levels. , 2019, , . | | 1 |
| 81 | Surgical Education using Artificial Intelligence, Augmented Reality and Machine Learning: A Review. , 2019, , . | | 4 |
| 82 | Intelligent Agricultural Farming System using Internet of Things. , 2019, , . | | 2 |
| 83 | Emotion AI-Driven Sentiment Analysis: A Survey, Future Research Directions, and Open Issues. Applied Sciences (Switzerland), 2019, 9, 5462. | 1.3 | 43 |
| 84 | Sensor-Assisted Weighted Average Ensemble Model for Detecting Major Depressive Disorder. Sensors, 2019, 19, 4822. | 2.1 | 27 |
| 85 | Prediction of Tensile Strength in Friction Welding Joints Made of SA213 Tube to SA387 Tube Plate through Optimization Techniques. Materials, 2019, 12, 4079. | 1.3 | 6 |
| 86 | Realizing Sustainable Development via Modified Integrated Weighting MCDM Model for Ranking Agrarian Dataset. Sustainability, 2019, 11, 6060. | 1.6 | 29 |
| 87 | Sensor-Assisted Assessment of the Tribological Behavioral Patterns of Al ^{Si} Cp Composites under Various Environmental Temperature Conditions. Materials, 2019, 12, 4004. | 1.3 | 1 |
| 88 | Aerial and Under-water Dronal Communication: Potentials, Issues and Vulnerabilities. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 3874-3885. | 0.2 | 4 |
| 89 | Correction to: 5G Security: Concepts and Challenges. , 2019, , C1-C1. | | 0 |
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| 91 | NHAD: Neuro-Fuzzy Based Horizontal Anomaly Detection In Online Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2018, , 1-1. | 4.0 | 13 |
| 92 | Robust RGB-D Hand Tracking Using Deep Learning Priors. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2289-2301. | 5.6 | 47 |
| 93 | Coagulation Attacks over Networked UAVs: Concept, Challenges, and Research Aspects. International Journal of Engineering and Technology(UAE), 2018, 7, 183. | 0.2 | 10 |
| 94 | Vehicle Detection in Thermal Images Using Deep Neural Network. , 2018, , . | | 7 |
| 95 | Application of Artificial Neural Networks for Optimizing Operating Conditions of a Chemical Process. , 2018, , . | | 0 |
| 96 | Robust design and validation of balanced tournaments via Hamiltonian path. Journal of Information and Optimization Sciences, 2018, 39, 1783-1799. | 0.2 | 0 |
| 97 | On the positioning likelihood of UAVs in 5G networks. Physical Communication, 2018, 31, 1-9. | 1.2 | 19 |
| 98 | Weather Forecasting Application Using Web-Based Model-View-Whatever Framework. , 2018, , . | | 5 |
| 99 | Epileptic Seizure Prediction over EEG Data using Hybrid CNN-SVM Model with Edge Computing Services. MATEC Web of Conferences, 2018, 210, 03016. | 0.1 | 19 |
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| 102 | A study on M-CORD based architecture in traffic offloading for 5G-enabled multiaccess edge computing networks. , 2018, , . | | 4 |
| 103 | An M-CORD Architecture for Multi-Access Edge Computing: A Review. , 2018, , . | | 5 |
| 104 | An Efficient SVM Based Lymph Node Classification Approach Using Intelligent Communication Ant Colony Optimization. Journal of Medical Imaging and Health Informatics, 2018, 8, 1077-1086. | 0.2 | 3 |
| 105 | Application of structural group sparsity recovery model for brain MRI. , 2018, , . | | 1 |
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| 107 | DAG-SVM based infant cry classification system using sequential forward floating feature selection. Multidimensional Systems and Signal Processing, 2017, 28, 961-976. | 1.7 | 26 |
| 108 | A hybrid NSCT domain image watermarking scheme. Eurasip Journal on Image and Video Processing, 2017, 2017, . | 1.7 | 16 |

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| 113 | Group Sparse based Super-resolution of Magnetic Resonance Images for Superior Lesion Diagnosis. , 2017, , . | | 3 |
| 114 | Super-resolution of Magnetic Resonance Images using deep Convolutional Neural Networks. , 2017, , . | | 15 |
| 115 | Non-photorealistic rendering via modified convolutional neural model. , 2017, , . | | 0 |
| 116 | Opportunistic-Harvesting: RF Wireless Power Transfer Scheme for Multiple Access Relays System. IEEE Access, 2017, 5, 16084-16099. | 2.6 | 26 |
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| 120 | An Overview of SR Techniques Applied to Images, Videos and Magnetic Resonance Images. The Smart Computing Review, 2014, 4, . | 0.4 | 3 |
| 121 | Super-resolution Techniques based on Temporal Recursion using Optimal and Real Parameters. The Smart Computing Review, 2014, 4, . | 0.4 | 0 |
| 122 | Evaluation of Super-Resolution Methods for Magnetic Resonance Images. Journal of Testing and Evaluation, 2014, 42, 1315-1322. | 0.4 | 1 |
| 123 | A Review on Potential Issues and Challenges in MR Imaging. Scientific World Journal, The, 2013, 2013, 1-10. | 0.8 | 22 |
| 124 | A Review of Magnetic Resonance Imaging Techniques. The Smart Computing Review, 2013, 3, . | 0.4 | 7 |