

# R Murugan

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

422  
citations

933264

10  
h-index

794469

19  
g-index

43  
all docs

43  
docs citations

43  
times ranked

262  
citing authors

#	ARTICLE	IF	CITATIONS
1	OptCoNet: an optimized convolutional neural network for an automatic diagnosis of COVID-19. Applied Intelligence, 2021, 51, 1351-1366.	3.3	113
2	Automatic Screening of COVID-19 Using an Optimized Generative Adversarial Network. Cognitive Computation, 2021, , 1-16.	3.6	40
3	E-DiCoNet: Extreme learning machine based classifier for diagnosis of COVID-19 using deep convolutional network. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 8887-8898.	3.3	40
4	A novel four-step feature selection technique for diabetic retinopathy grading. Physical and Engineering Sciences in Medicine, 2021, 44, 1351-1366.	1.3	21
5	Classifier for Face Recognition Based on Deep Convolutional - Optimized Kernel Extreme Learning Machine. Computers and Electrical Engineering, 2020, 85, 106640.	3.0	20
6	Multi-COVID-Net: Multi-objective optimized network for COVID-19 diagnosis from chest X-ray images. Applied Soft Computing Journal, 2022, 115, 108250.	4.1	18
7	Fast and Robust Exudate Detection in Retinal Fundus Images Using Extreme Learning Machine Autoencoders and Modified KAZE Features. Journal of Digital Imaging, 2022, 35, 496-513.	1.6	17
8	WOANet: Whale optimized deep neural network for the classification of COVID-19 from radiography images. Biocybernetics and Biomedical Engineering, 2021, 41, 1702-1718.	3.3	15
9	Exudate Localization in Retinal Fundus Images Using Modified Speeded Up Robust Features Algorithm. , 2021, , .		13
10	An abnormality detection of retinal fundus images by deep convolutional neural networks. Multimedia Tools and Applications, 2020, 79, 24949-24967.	2.6	12
11	An Improved Accuracy Rate in Microaneurysms Detection in Retinal Fundus Images Using Non-local Mean Filter. Communications in Computer and Information Science, 2020, , 183-193.	0.4	12
12	MicroNet: microaneurysm detection in retinal fundus images using convolutional neural network. Soft Computing, 2022, 26, 1057-1066.	2.1	11
13	An Automatic Detection of Hemorrhages in Retinal Fundus Images by Motion Pattern Generation. Biomedical and Pharmacology Journal, 2019, 12, 1433-1440.	0.2	10
14	Performance analysis of deep neural networks through transfer learning in retinal detachment diagnosis using fundus images. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, 1.	0.8	9
15	Exudate Detection with Improved U-Net Using Fundus Images. , 2021, , .		8
16	A hybrid approach for lung cancer diagnosis using optimized random forest classification and K-means visualization algorithm. Health and Technology, 2022, 12, 787-800.	2.1	8
17	Optic Disc Segmentation in Fundus Images using Operator Splitting Approach. , 2020, , .		7
18	Deep Learning for Diabetic Retinopathy Detection: Challenges and Opportunities. Studies in Computational Intelligence, 2022, , 213-232.	0.7	7

#	ARTICLE	IF	CITATIONS
19	Ada-GridRF: A Fast and Automated Adaptive Boost Based Grid Search Optimized Random Forest Ensemble model for Lung Cancer Detection. <i>Physical and Engineering Sciences in Medicine</i> , 2022, 45, 981-994.	1.3	7
20	Feature Extraction and Object Detection Using Fast-Convolutional Neural Network for Remote Sensing Satellite Image. <i>Journal of the Indian Society of Remote Sensing</i> , 2022, 50, 961-973.	1.2	6
21	Semantic segmentation of lungs using a modified U-Net architecture through limited Computed Tomography images. , 2021, ,		6
22	An Automatic Localization of Microaneurysms in Retinal Fundus Images. , 2019, ,		5
23	An Improved U-Net Architecture for Low Light Image Enhancement for Visibility Improvement. , 2020, ,		3
24	An Automatic Screening Method to Detect Optic Disc in the Retina. <i>International Journal of Advanced Information Technology</i> , 2012, 2, 23-31.	1.0	2
25	An Improved IOT based Standalone Hybrid(Pv/Wind) System. , 2018, ,		2
26	An IOT Based Weather Monitoring System to Prevent and Alert Cauvery Delta District of Tamilnadu, India. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2020, , 462-469.	0.5	2
27	Segmentation algorithms for automatic detection of retinal images using CVIP tools. , 2012, ,		1
28	Detection of Optic Disc by Line Filter Operator Approach in Retinal Images. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 719-728.	0.5	1
29	A comparative analysis between late fusion of features approach and ensemble of multiple classifiers approach for image classification. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e6371.	1.4	1
30	Computer Aided Screening of Optic Disc in Retinal Images Using Binary Orientation Map. <i>Biomedical and Pharmacology Journal</i> , 2015, 8, 419-426.	0.2	1
31	A Cloud-Based Patient Health Monitoring System Using the Internet of Things. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2019, , 188-201.	0.2	1
32	The Retinal Blood Vessel Segmentation Using Expected Maximization Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 55-64.	0.5	1
33	Implementation of Deep Learning Neural Network for Retinal Images. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2020, , 77-95.	0.4	1
34	Classification of Tea Leaf Diseases Using Convolutional Neural Network. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 283-296.	0.3	1
35	Neural network-based computer-aided lung cancer detection. <i>Research on Biomedical Engineering</i> , 2021, 37, 657-671.	1.5	0
36	Closed Loop Controlled Soft Switching Type DC/DC Converter with High Efficiency under Variable Load Conditions. <i>Journal of Applied Sciences</i> , 2015, 15, 633-643.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Naturally Commutated Bidirectional Half-Bridge High Efficient DC/DC Converter for Biomedical Imaging Systems. Biomedical and Pharmacology Journal, 2015, 8, 379-384.	0.2	0
38	An Automatic Classification of Magnetic Resonance Brain Images Using Machine Learning Techniques. Lecture Notes in Electrical Engineering, 2020, , 463-472.	0.3	0
39	Automatic segmentation of macula in retinal fluorescein angiography images. , 2020, , .		0
40	A non-iterative fuzzy neural classifier for face recognition. , 2020, , .		0
41	RD-Light-Net: Light Weight Network for Retinal Detachment Classification through Fundus Images. , 2021, , .		0
42	An Early Detection of Parkinsonâ€™s Disease from Geometric Drawings. , 2022, , .		0