

# 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	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
2	MicroNet: microaneurysm detection in retinal fundus images using convolutional neural network. Soft Computing, 2022, 26, 1057-1066.	2.1	11
3	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
4	Feature Extraction and Object Detection Using Fast-Convolutional Neural Network for Remote Sensing Satellite Image. Journal of the Indian Society of Remote Sensing, 2022, 50, 961-973.	1.2	6
5	Classification of Tea Leaf Diseases Using Convolutional Neural Network. Lecture Notes in Electrical Engineering, 2022, , 283-296.	0.3	1
6	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
7	An Early Detection of Parkinsonâ€™s Disease from Geometric Drawings. , 2022, , .		0
8	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
9	Deep Learning for Diabetic Retinopathy Detection: Challenges and Opportunities. Studies in Computational Intelligence, 2022, , 213-232.	0.7	7
10	Ada-GridRF: A Fast and Automated Adaptive Boost Based Grid Search Optimized Random Forest Ensemble model for Lung Cancer Detection. Physical and Engineering Sciences in Medicine, 2022, 45, 981-994.	1.3	7
11	OptCoNet: an optimized convolutional neural network for an automatic diagnosis of COVID-19. Applied Intelligence, 2021, 51, 1351-1366.	3.3	113
12	Automatic Screening of COVID-19 Using an Optimized Generative Adversarial Network. Cognitive Computation, 2021, , 1-16.	3.6	40
13	Exudate Localization in Retinal Fundus Images Using Modified Speeded Up Robust Features Algorithm. , 2021, , .		13
14	A comparative analysis between late fusion of features approach and ensemble of multiple classifiers approach for image classification. Concurrency Computation Practice and Experience, 2021, 33, e6371.	1.4	1
15	Neural networkâ€™based computer-aided lung cancer detection. Research on Biomedical Engineering, 2021, 37, 657-671.	1.5	0
16	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
17	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
18	A novel four-step feature selection technique for diabetic retinopathy grading. Physical and Engineering Sciences in Medicine, 2021, 44, 1351-1366.	1.3	21

#	ARTICLE	IF	CITATIONS
19	RD-Light-Net: Light Weight Network for Retinal Detachment Classification through Fundus Images. , 2021, , .		0
20	Semantic segmentation of lungs using a modified U-Net architecture through limited Computed Tomography images. , 2021, , .		6
21	Exudate Detection with Improved U-Net Using Fundus Images. , 2021, , .		8
22	An IOT Based Weather Monitoring System to Prevent and Alert Cauvery Delta District of Tamilnadu, India. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 462-469.	0.5	2
23	An abnormality detection of retinal fundus images by deep convolutional neural networks. Multimedia Tools and Applications, 2020, 79, 24949-24967.	2.6	12
24	An Improved U-Net Architecture for Low Light Image Enhancement for Visibility Improvement. , 2020, , .		3
25	Classifier for Face Recognition Based on Deep Convolutional - Optimized Kernel Extreme Learning Machine. Computers and Electrical Engineering, 2020, 85, 106640.	3.0	20
26	The Retinal Blood Vessel Segmentation Using Expected Maximization Algorithm. Advances in Intelligent Systems and Computing, 2020, , 55-64.	0.5	1
27	An Automatic Classification of Magnetic Resonance Brain Images Using Machine Learning Techniques. Lecture Notes in Electrical Engineering, 2020, , 463-472.	0.3	0
28	Automatic segmentation of macula in retinal fluorescein angiography images. , 2020, , .		0
29	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
30	Optic Disc Segmentation in Fundus Images using Operator Splitting Approach. , 2020, , .		7
31	A non-iterative fuzzy neural classifier for face recognition. , 2020, , .		0
32	Implementation of Deep Learning Neural Network for Retinal Images. Advances in Computational Intelligence and Robotics Book Series, 2020, , 77-95.	0.4	1
33	An Automatic Localization of Microaneurysms in Retinal Fundus Images. , 2019, , .		5
34	An Automatic Detection of Hemorrhages in Retinal Fundus Images by Motion Pattern Generation. Biomedical and Pharmacology Journal, 2019, 12, 1433-1440.	0.2	10
35	A Cloud-Based Patient Health Monitoring System Using the Internet of Things. Advances in Computer and Electrical Engineering Book Series, 2019, , 188-201.	0.2	1
36	An Improved IOT based Standalone Hybrid(Pv/Wind) System. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Computer Aided Screening of Optic Disc in Retinal Images Using Binary Orientation Map. Biomedical and Pharmacology Journal, 2015, 8, 419-426.	0.2	1
38	Closed Loop Controlled Soft Switching Type DC/DC Converter with High Efficiency under Variable Load Conditions. Journal of Applied Sciences, 2015, 15, 633-643.	0.1	0
39	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
40	Detection of Optic Disc by Line Filter Operator Approach in Retinal Images. Advances in Intelligent Systems and Computing, 2013, , 719-728.	0.5	1
41	Segmentation algorithms for automatic detection of retinal images using CVIP tools. , 2012, , .		1
42	An Automatic Screening Method to Detect Optic Disc in the Retina. International Journal of Advanced Information Technology, 2012, 2, 23-31.	1.0	2