R Karthik

List of Publications by Year
in descending order

47 papers	779 citations	623734 14 h-index	552781 26 g-index
48 all docs	48 docs citations	48 times ranked	538 citing authors

#	Article	IF	Citations
1	AI for COVID-19 Detection from Radiographs: Incisive Analysis of State of the Art Techniques, Key Challenges and Future Directions. Irbm, 2022, 43, 486-510.	5.6	13
2	Gaussian Dropout Based Stacked Ensemble CNN for Classification of Breast Tumor in Ultrasound Images. Irbm, 2022, 43, 715-733.	5.6	16
3	Synthetic sampling from small datasets: A modified mega-trend diffusion approach using <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1807" altimg="si73.svg"><mml:mi>k</mml:mi></mml:math>-nearest neighbors. Knowledge-Based Systems, 2022, 236, 107687.	7.1	9
4	Eff2Net: An efficient channel attention-based convolutional neural network for skin disease classification. Biomedical Signal Processing and Control, 2022, 73, 103406.	5.7	39
5	Contour-enhanced attention CNN for CT-based COVID-19 segmentation. Pattern Recognition, 2022, 125, 108538.	8.1	36
6	Attention-Based Residual Learning Network for COVID-19 Detection Using Chest CT Images. Profiles in Operations Research, 2022, , 367-391.	0.4	2
7	Factors affecting agriculture and estimation of crop yield using supervised learning algorithms. Materials Today: Proceedings, 2022, 62, 4629-4634.	1.8	7
8	End of game shot selection for individual players in the NBA. Materials Today: Proceedings, 2022, , .	1.8	0
9	CT-based severity assessment for COVID-19 using weakly supervised non-local CNN. Applied Soft Computing Journal, 2022, 121, 108765.	7.2	14
10	An experimental analysis on surface roughness of the selective laser sintered and unsintered Inconel 718 components using vibratory surface finishing process. Materials Today: Proceedings, 2022, , .	1.8	1
11	Delineation of ischemic lesion from brain MRI using attention gated fully convolutional network. Biomedical Engineering Letters, 2021, 11, 3-13.	4.1	11
12	Learning distinctive filters for COVID-19 detection from chest X-ray using shuffled residual CNN. Applied Soft Computing Journal, 2021, 99, 106744.	7.2	70
13	Ischemic Lesion Segmentation using Ensemble of Multi-Scale Region Aligned CNN. Computer Methods and Programs in Biomedicine, 2021, 200, 105831.	4.7	15
14	Analysis of Connectivity Model to Study the Neurophysiological Process for Autism Detection. Lecture Notes in Electrical Engineering, 2021, , 191-200.	0.4	0
15	Performance Analysis of VGG19 Deep Learning Network Based Brain Image Fusion. Advances in Computational Intelligence and Robotics Book Series, 2021, , 145-166.	0.4	1
16	Automatic Detection and Assessment of Autism Spectrum Disorder. Advances in Early Childhood and K-12 Education, 2021, , 396-425.	0.2	0
17	Performance Analysis of GAN Architecture for Effective Facial Expression Synthesis. Advances in Computational Intelligence and Robotics Book Series, 2021, , 290-316.	0.4	0
18	Tribological characterization of the LASER sintered and unsintered Inconel 718 in dry sliding condition. Materials Today: Proceedings, 2021, 47, 2486-2490.	1.8	1

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19	Comparative Analysis of Machine Learning Methods to Detect Chronic Kidney Disease. Journal of Physics: Conference Series, 2021, 1911, 012005.	0.4	4
20	Disease detection in rice leaves using transfer learning techniques. Journal of Physics: Conference Series, 2021, 1911, 012004.	0.4	21
21	Performance Analysis of Deep Learning Models for Detection of Autism Spectrum Disorder from EEG Signals. Traitement Du Signal, 2021, 38, 853-863.	1.3	19
22	Investigating EEG Signals of Autistic Individuals Using Detrended Fluctuation Analysis. Traitement Du Signal, 2021, 38, 1515-1520.	1.3	1
23	Attention embedded residual CNN for disease detection in tomato leaves. Applied Soft Computing Journal, 2020, 86, 105933.	7.2	201
24	Neuroimaging and deep learning for brain stroke detection - A review of recent advancements and future prospects. Computer Methods and Programs in Biomedicine, 2020, 197, 105728.	4.7	50
25	Design of Kids-specific URL Classifier using Recurrent Convolutional Neural Network. Procedia Computer Science, 2020, 167, 2124-2131.	2.0	10
26	Modelling and Control Design for Variable Speed Wind Turbine Energy System. , 2020, , .		19
27	IMEXT Text Summarizer Using Deep Learning. Advances in Intelligent Systems and Computing, 2020, , 34-45.	0.6	0
28	Low Power Real Time GPS Tracking Enabled with RTOS and Serverless Architecture. , 2019, , .		5
29	A deep supervised approach for ischemic lesion segmentation from multimodal MRI using Fully Convolutional Network. Applied Soft Computing Journal, 2019, 84, 105685.	7.2	49
30	Real-time GPS tracking using serverless architecture and ARM processor. , 2019, , .		7
31	Synthesis of Cu-10Sn/SiC Metal Matrix Composites and Experimental Investigation of its Adhesive Wear Behaviour. Silicon, 2019, 11, 345-354.	3.3	27
32	Feature Ranking of Spatial Domain Features for Efficient Characterization of Stroke Lesions. Lecture Notes in Electrical Engineering, 2018, , 149-159.	0.4	0
33	Computer-aided detection and characterization of stroke lesion â€" a short review on the current state-of-the art methods. Imaging Science Journal, 2018, 66, 1-22.	0.5	16
34	Surface Morphing using Macro Fiber Composites. Materials Today: Proceedings, 2018, 5, 12863-12871.	1.8	5
35	Radial Based Analysis of GRNN in Non-Textured Image Inpainting. , 2018, , .		0
36	A multi-scale approach for detection of ischemic stroke from brain MR images using discrete curvelet transformation. Measurement: Journal of the International Measurement Confederation, 2017, 100, 223-232.	5.0	39

#	Article	IF	Citations
37	High capacity, secure (n, n/8) multi secret image sharing scheme with security key. , 2017, , .		2
38	CHARACTERIZATION OF STROKE LESION USING FRACTAL ANALYSIS. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 53.	0.3	2
39	A novel feature extraction scheme for visualisation of 3D anatomical structures. International Journal of Biomedical Engineering and Technology, 2016, 21, 49.	0.2	3
40	A critical appraisal on wavelet based features from brain MR images for efficient characterization of ischemic stroke injuries. Electronic Letters on Computer Vision and Image Analysis, 2016, 15, 1.	0.6	3
41	A Novel Scheme for detection of Parkinsonâ€™s disorder from Hand-eye Co-ordination behavior and DaTscan Images. KSII Transactions on Internet and Information Systems, 2016, 10, .	0.3	2
42	A comprehensive framework for classification of brain tumour images using SVM and curvelet transform. International Journal of Biomedical Engineering and Technology, 2015, 17, 168.	0.2	21
43	Virtual doctor: an artificial medical diagnostic system based on hard and soft inputs. International Journal of Biomedical Engineering and Technology, 2014, 16, 329.	0.2	6
44	Image Stitching with Combined Moment Invariants and Sift Features. Procedia Computer Science, 2013, 19, 420-427.	2.0	23
45	Panoramic view creation using invariant momentsand SURF features. , 2013, , .		6
46	Tomographic 3D cranio-facial reconstruction using curvelet transform. International Journal of Biomedical Engineering and Technology, 2012, 9, 201.	0.2	1
47	Machine Learning and Deep Learning Techniques in Wireless and Mobile Networking Systems. , 0, , .		2