Sanjay Saxena

List of Publications by Year
in descending order

42	542	687220 13	752573 20
papers	citations	h-index	g-index

44	44	44	238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial intelligence-based hybrid deep learning models for image classification: The first narrative review. Computers in Biology and Medicine, 2021, 137, 104803.	3.9	81
2	Role of Artificial Intelligence in Radiogenomics for Cancers in the Era of Precision Medicine. Cancers, 2022, 14, 2860.	1.7	38
3	Understanding the bias in machine learning systems for cardiovascular disease risk assessment: The first of its kind review. Computers in Biology and Medicine, 2022, 142, 105204.	3.9	34
4	An empirical study of different machine learning techniques for brain tumor classification and subsequent segmentation using hybrid texture feature. Machine Vision and Applications, 2022, 33, 1.	1.7	31
5	Applications of Radiomics and Radiogenomics in High-Grade Gliomas in the Era of Precision Medicine. Cancers, 2021, 13, 5921.	1.7	29
6	Review of Brain Tumor Segmentation and Classification. , 2018, , .		27
7	Bias Investigation in Artificial Intelligence Systems for Early Detection of Parkinsonâ€™s Disease: A Narrative Review. Diagnostics, 2022, 12, 166.	1.3	23
8	Parallel Image Processing Techniques, Benefits and Limitations. Research Journal of Applied Sciences, Engineering and Technology, 2016, 12, 223-238.	0.1	21
9	Cardiovascular/Stroke Risk Stratification in Parkinsonâ€™s Disease Patients Using Atherosclerosis Pathway and Artificial Intelligence Paradigm: A Systematic Review. Metabolites, 2022, 12, 312.	1.3	21
10	A Powerful Paradigm for Cardiovascular Risk Stratification Using Multiclass, Multi-Label, and Ensemble-Based Machine Learning Paradigms: A Narrative Review. Diagnostics, 2022, 12, 722.	1.3	20
11	Clinical measures, radiomics, and genomics offer synergistic value in AI-based prediction of overall survival in patients with glioblastoma. Scientific Reports, 2022, 12, .	1.6	20
12	An Automated System for Atlas Based Multiple Organ Segmentation of Abdominal CT Images. British Journal of Mathematics & Computer Science, 2016, 12, 1-14.	0.3	17
13	Brain Tumour Segmentation in FLAIR MRI Using Sliding Window Texture Feature Extraction Followed by Fuzzy C-Means Clustering. International Journal of Healthcare Information Systems and Informatics, 2021, 16, 1-20.	1.0	15
14	Brain tumor segmentation and overall survival period prediction in glioblastoma multiforme using radiomic features. Concurrency Computation Practice and Experience, 2022, 34, e6501.	1.4	15
15	Parallel algorithms for the longest common subsequence problem. , 0, , .		14
16	Convolutional neural network and its pretrained models for image classification and object detection: A survey. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	13
17	Validation of Random Dataset Using an Efficient CNN Model Trained on MNIST Handwritten Dataset. , 2019, , .		12
18	Medical image segmentation: hard and soft computing approaches. SN Applied Sciences, 2020, 2, 1.	1.5	10

#	Article	IF	Citations
19	Effect of learning parameters on the performance of U-Net Model in segmentation of Brain tumor. Multimedia Tools and Applications, 2022, 81, 34717-34735.	2.6	10
20	Deep learning-based ensemble model for brain tumor segmentation using multi-parametric MR scans. Open Computer Science, 2022, 12, 211-226.	1.3	9
21	Brain Tumor Segmentation from 3D MRI Slices Using Cascading Convolutional Neural Network. Lecture Notes in Electrical Engineering, 2021, , 119-126.	0.3	8
22	Secure Authentication Protocol for 5G Enabled IoT Network. , 2018, , .		7
23	Deep Learning Paradigm for Cardiovascular Disease/Stroke Risk Stratification in Parkinsonâ€™s Disease Affected by COVID-19: A Narrative Review. Diagnostics, 2022, 12, 1543.	1.3	7
24	Advanced Approaches for Medical Image Segmentation. , 2019, , 153-172.		6
25	An intelligent system for segmenting an abdominal image in multi core architecture. , 2013, , .		5
26	Image registration techniques using parallel computing in multicore environment and its applications in medical imaging: An overview. , 2014, , .		5
27	Deep Learning in Computational Neuroscience. Advances in Computer and Electrical Engineering Book Series, 2020, , 43-63.	0.2	5
28	Justification of STL-10 dataset using a competent CNN model trained on CIFAR-10. , 2019, , .		4
29	Maximum Payload for Digital Image Steganography Obtained by Mixed Edge Detection Mechanism. , 2019, , .		4
30	Mammogram Segmentation Methods: A Brief Review. , 2019, , .		4
31	Comprehensive Review of Abdominal Image Segmentation using Soft and Hard Computing Approaches. , 2020, , .		4
32	Malaria Parasites Detection Using Deep Neural Network. Advances in Medical Technologies and Clinical Practice Book Series, 2021, , 209-222.	0.3	3
33	Image Classification for Binary Classes Using Deep Convolutional Neural Network: An Experimental Study. Studies in Computational Intelligence, 2021, , 197-209.	0.7	3
34	Brain Tumor and Its Segmentation From Brain MRI Sequences. Advances in Medical Technologies and Clinical Practice Book Series, 2019, , 39-60.	0.3	3
35	Cellular Image Segmentation using Morphological Operators and Extraction of Features for Quantitative Measurement. Biosciences, Biotechnology Research Asia, 2016, 13, 1101-1112.	0.2	3
36	Parallel computation of mutual information in multicore environment & its applications in medical image registration. , 2014, , .		2

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37	Brain Tumor Segmentation by Texture Feature Extraction with the Parallel Implementation of Fuzzy C-Means using CUDA on GPU. , 2018, , .		2
38	Comprehensive Analysis of the Uses of GPU and CUDA in Soft-Computing Techniques. , 2019, , .		2
39	Survey and Analysis of Content-Based Image Retrieval Systems. Lecture Notes in Electrical Engineering, 2021, , 427-433.	0.3	2
40	Review on Brain Tumor Segmentation: Hard and Soft Computing Approaches. Advances in Intelligent Systems and Computing, 2021, , 190-200.	0.5	1
41	An Extensive Study of SegNet Model in Automatic Brain Tumor Segmentation Using Multi-modal MR Scans. Lecture Notes in Networks and Systems, 2022, , 359-370.	0.5	1
42	Optimal Sublogarithmic Time Parallel Algorithms on Rooted Forests. Algorithmica, 2000, 27, 187-197.	1.0	0