

Sivaramakrishnan Rajaraman

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,506
citations

623188

14
h-index

414034

32
g-index

48
all docs

48
docs citations

48
times ranked

1571
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-trained convolutional neural networks as feature extractors toward improved malaria parasite detection in thin blood smear images. PeerJ, 2018, 6, e4568.	0.9	298
2	Iteratively Pruned Deep Learning Ensembles for COVID-19 Detection in Chest X-Rays. IEEE Access, 2020, 8, 115041-115050.	2.6	248
3	Visualization and Interpretation of Convolutional Neural Network Predictions in Detecting Pneumonia in Pediatric Chest Radiographs. Applied Sciences (Switzerland), 2018, 8, 1715.	1.3	191
4	Performance evaluation of deep neural ensembles toward malaria parasite detection in thin-blood smear images. PeerJ, 2019, 7, e6977.	0.9	107
5	Modality-Specific Deep Learning Model Ensembles Toward Improving TB Detection in Chest Radiographs. IEEE Access, 2020, 8, 27318-27326.	2.6	83
6	Weakly Labeled Data Augmentation for Deep Learning: A Study on COVID-19 Detection in Chest X-Rays. Diagnostics, 2020, 10, 358.	1.3	65
7	Visual Interpretation of Convolutional Neural Network Predictions in Classifying Medical Image Modalities. Diagnostics, 2019, 9, 38.	1.3	52
8	Understanding the learned behavior of customized convolutional neural networks toward malaria parasite detection in thin blood smear images. Journal of Medical Imaging, 2018, 5, 1.	0.8	40
9	Analyzing inter-reader variability affecting deep ensemble learning for COVID-19 detection in chest radiographs. PLoS ONE, 2020, 15, e0242301.	1.1	39
10	Malaria Screener: a smartphone application for automated malaria screening. BMC Infectious Diseases, 2020, 20, 825.	1.3	28
11	Detection and visualization of abnormality in chest radiographs using modality-specific convolutional neural network ensembles. PeerJ, 2020, 8, e8693.	0.9	27
12	Comparing deep learning models for population screening using chest radiography. , 2018, , .		24
13	Deep learning model calibration for improving performance in class-imbalanced medical image classification tasks. PLoS ONE, 2022, 17, e0262838.	1.1	24
14	Improved Semantic Segmentation of Tuberculosis-Consistent Findings in Chest X-rays Using Augmented Training of Modality-Specific U-Net Models with Weak Localizations. Diagnostics, 2021, 11, 616.	1.3	23
15	Deep Learning for Grading Cardiomegaly Severity in Chest X-Rays: An Investigation. , 2018, , .		22
16	Visualizing and explaining deep learning predictions for pneumonia detection in pediatric chest radiographs. , 2019, , .		21
17	Chest X-ray Bone Suppression for Improving Classification of Tuberculosis-Consistent Findings. Diagnostics, 2021, 11, 840.	1.3	19
18	Assessment of Data Augmentation Strategies Toward Performance Improvement of Abnormality Classification in Chest Radiographs. , 2019, 2019, 841-844.		18

#	ARTICLE	IF	CITATIONS
19	Detecting Tuberculosis-Consistent Findings in Lateral Chest X-Rays Using an Ensemble of CNNs and Vision Transformers. <i>Frontiers in Genetics</i> , 2022, 13, 864724.	1.1	14
20	Visualizing abnormalities in chest radiographs through salient network activations in Deep Learning. , 2017, , .		13
21	UMS-Rep: Unified modality-specific representation for efficient medical image analysis. <i>Informatics in Medicine Unlocked</i> , 2021, 24, 100571.	1.9	11
22	Novel loss functions for ensemble-based medical image classification. <i>PLoS ONE</i> , 2021, 16, e0261307.	1.1	11
23	Real-time echocardiography image analysis and quantification of cardiac indices. <i>Medical Image Analysis</i> , 2022, 80, 102438.	7.0	11
24	Assessment of an ensemble of machine learning models toward abnormality detection in chest radiographs. , 2019, 2019, 3689-3692.		10
25	Accelerating Super-Resolution and Visual Task Analysis in Medical Images. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4282.	1.3	10
26	Trilateral Attention Network for Real-Time Cardiac Region Segmentation. <i>IEEE Access</i> , 2021, 9, 118205-118214.	2.6	10
27	Chromosomal Edge Detection using Modified Bacterial Foraging Algorithm. <i>International Journal of Bio-Science and Bio-Technology</i> , 2014, 6, 111-122.	0.2	9
28	DeBoNet: A deep bone suppression model ensemble to improve disease detection in chest radiographs. <i>PLoS ONE</i> , 2022, 17, e0265691.	1.1	8
29	A Deep Modality-Specific Ensemble for Improving Pneumonia Detection in Chest X-rays. <i>Diagnostics</i> , 2022, 12, 1442.	1.3	8
30	Gender Detection from Spine X-Ray Images Using Deep Learning. , 2018, , .		6
31	Annotations of Lung Abnormalities in the Shenzhen Chest X-ray Dataset for Computer-Aided Screening of Pulmonary Diseases. <i>Data</i> , 2022, 7, 95.	1.2	6
32	Mobile application-based computer-aided diagnosis of skin tumours from dermal images. <i>Imaging Science Journal</i> , 2018, 66, 382-391.	0.2	4
33	Classification of Denver System of Chromosomes Using Similarity Classifier Guided by OWA Operators. <i>Current Bioinformatics</i> , 2014, 9, 499-508.	0.7	4
34	Effect of Hen Egg White on Microbial Adhesion and Biofilm Growth of Biomaterial Associated Infection Causing Pathogens. <i>International Journal of Bio-Science and Bio-Technology</i> , 2014, 6, 99-106.	0.2	3
35	Computer Aided Diagnosis of Skin Tumours from Dermal Images. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 349-365.	0.5	3
36	Visualizing Salient Network Activations in Convolutional Neural Networks for Medical Image Modality Classification. <i>Communications in Computer and Information Science</i> , 2019, , 42-57.	0.4	3

#	ARTICLE	IF	CITATIONS
37	Open-world active learning for echocardiography view classification. , 2022, , .		2
38	Uncertainty Quantification in Segmenting Tuberculosis-Consistent Findings in Frontal Chest X-rays. Biomedicines, 2022, 10, 1323.	1.4	2
39	Design of a Functional Training Prototype for Neonatal Resuscitation. Children, 2014, 1, 441-456.	0.6	1
40	Performance Evaluation of Bio-Inspired Optimization Algorithms in Resolving Chromosomal Occlusions. Journal of Medical Imaging and Health Informatics, 2015, 5, 264-271.	0.2	1
41	Title is missing!. , 2020, 15, e0242301.		0
42	Title is missing!. , 2020, 15, e0242301.		0
43	Title is missing!. , 2020, 15, e0242301.		0
44	Title is missing!. , 2020, 15, e0242301.		0
45	Title is missing!. , 2020, 15, e0242301.		0
46	Title is missing!. , 2020, 15, e0242301.		0