

Sivaramakrishnan Rajaraman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7598576/publications.pdf>

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 | Deep learning model calibration for improving performance in class-imbalanced medical image classification tasks. PLoS ONE, 2022, 17, e0262838. | 1.1 | 24 |
| 2 | Detecting Tuberculosis-Consistent Findings in Lateral Chest X-Rays Using an Ensemble of CNNs and Vision Transformers. Frontiers in Genetics, 2022, 13, 864724. | 1.1 | 14 |
| 3 | DeBoNet: A deep bone suppression model ensemble to improve disease detection in chest radiographs. PLoS ONE, 2022, 17, e0265691. | 1.1 | 8 |
| 4 | Open-world active learning for echocardiography view classification. , 2022, , . | | 2 |
| 5 | Uncertainty Quantification in Segmenting Tuberculosis-Consistent Findings in Frontal Chest X-rays. Biomedicines, 2022, 10, 1323. | 1.4 | 2 |
| 6 | A Deep Modality-Specific Ensemble for Improving Pneumonia Detection in Chest X-rays. Diagnostics, 2022, 12, 1442. | 1.3 | 8 |
| 7 | Real-time echocardiography image analysis and quantification of cardiac indices. Medical Image Analysis, 2022, 80, 102438. | 7.0 | 11 |
| 8 | Annotations of Lung Abnormalities in the Shenzhen Chest X-ray Dataset for Computer-Aided Screening of Pulmonary Diseases. Data, 2022, 7, 95. | 1.2 | 6 |
| 9 | Trilateral Attention Network for Real-Time Cardiac Region Segmentation. IEEE Access, 2021, 9, 118205-118214. | 2.6 | 10 |
| 10 | 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 |
| 11 | Chest X-ray Bone Suppression for Improving Classification of Tuberculosis-Consistent Findings. Diagnostics, 2021, 11, 840. | 1.3 | 19 |
| 12 | UMS-Rep: Unified modality-specific representation for efficient medical image analysis. Informatics in Medicine Unlocked, 2021, 24, 100571. | 1.9 | 11 |
| 13 | Novel loss functions for ensemble-based medical image classification. PLoS ONE, 2021, 16, e0261307. | 1.1 | 11 |
| 14 | Malaria Screener: a smartphone application for automated malaria screening. BMC Infectious Diseases, 2020, 20, 825. | 1.3 | 28 |
| 15 | Weakly Labeled Data Augmentation for Deep Learning: A Study on COVID-19 Detection in Chest X-Rays. Diagnostics, 2020, 10, 358. | 1.3 | 65 |
| 16 | Iteratively Pruned Deep Learning Ensembles for COVID-19 Detection in Chest X-Rays. IEEE Access, 2020, 8, 115041-115050. | 2.6 | 248 |
| 17 | Accelerating Super-Resolution and Visual Task Analysis in Medical Images. Applied Sciences (Switzerland), 2020, 10, 4282. | 1.3 | 10 |
| 18 | Modality-Specific Deep Learning Model Ensembles Toward Improving TB Detection in Chest Radiographs. IEEE Access, 2020, 8, 27318-27326. | 2.6 | 83 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Analyzing inter-reader variability affecting deep ensemble learning for COVID-19 detection in chest radiographs. PLoS ONE, 2020, 15, e0242301. | 1.1 | 39 |
| 20 | Detection and visualization of abnormality in chest radiographs using modality-specific convolutional neural network ensembles. PeerJ, 2020, 8, e8693. | 0.9 | 27 |
| 21 | Title is missing!. , 2020, 15, e0242301. | | 0 |
| 22 | Title is missing!. , 2020, 15, e0242301. | | 0 |
| 23 | Title is missing!. , 2020, 15, e0242301. | | 0 |
| 24 | Title is missing!. , 2020, 15, e0242301. | | 0 |
| 25 | Title is missing!. , 2020, 15, e0242301. | | 0 |
| 26 | Title is missing!. , 2020, 15, e0242301. | | 0 |
| 27 | Assessment of an ensemble of machine learning models toward abnormality detection in chest radiographs. , 2019, 2019, 3689-3692. | | 10 |
| 28 | Assessment of Data Augmentation Strategies Toward Performance Improvement of Abnormality Classification in Chest Radiographs. , 2019, 2019, 841-844. | | 18 |
| 29 | Visual Interpretation of Convolutional Neural Network Predictions in Classifying Medical Image Modalities. Diagnostics, 2019, 9, 38. | 1.3 | 52 |
| 30 | Visualizing and explaining deep learning predictions for pneumonia detection in pediatric chest radiographs. , 2019, , . | | 21 |
| 31 | Performance evaluation of deep neural ensembles toward malaria parasite detection in thin-blood smear images. PeerJ, 2019, 7, e6977. | 0.9 | 107 |
| 32 | Visualizing Salient Network Activations in Convolutional Neural Networks for Medical Image Modality Classification. Communications in Computer and Information Science, 2019, , 42-57. | 0.4 | 3 |
| 33 | Deep Learning for Grading Cardiomegaly Severity in Chest X-Rays: An Investigation. , 2018, , . | | 22 |
| 34 | Visualization and Interpretation of Convolutional Neural Network Predictions in Detecting Pneumonia in Pediatric Chest Radiographs. Applied Sciences (Switzerland), 2018, 8, 1715. | 1.3 | 191 |
| 35 | Gender Detection from Spine X-Ray Images Using Deep Learning. , 2018, , . | | 6 |
| 36 | Mobile application-based computer-aided diagnosis of skin tumours from dermal images. Imaging Science Journal, 2018, 66, 382-391. | 0.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 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 |
| 38 | Computer Aided Diagnosis of Skin Tumours from Dermal Images. Lecture Notes in Computational Vision and Biomechanics, 2018, , 349-365. | 0.5 | 3 |
| 39 | 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 |
| 40 | Comparing deep learning models for population screening using chest radiography. , 2018, , | | 24 |
| 41 | Visualizing abnormalities in chest radiographs through salient network activations in Deep Learning. , 2017, , | | 13 |
| 42 | 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 |
| 43 | Design of a Functional Training Prototype for Neonatal Resuscitation. Children, 2014, 1, 441-456. | 0.6 | 1 |
| 44 | Effect of Hen Egg White on Microbial Adhesion and Biofilm Growth of Biomaterial Associated Infection Causing Pathogens. International Journal of Bio-Science and Bio-Technology, 2014, 6, 99-106. | 0.2 | 3 |
| 45 | Chromosomal Edge Detection using Modified Bacterial Foraging Algorithm. International Journal of Bio-Science and Bio-Technology, 2014, 6, 111-122. | 0.2 | 9 |
| 46 | Classification of Denver System of Chromosomes Using Similarity Classifier Guided by OWA Operators. Current Bioinformatics, 2014, 9, 499-508. | 0.7 | 4 |