Pranav Rajpurkar

List of Publications by Year
in descending order

25 papers	5,456 citations	471509 17 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	6006 citing authors

#	Article	IF	Citations
1	Cardiologist-level arrhythmia detection and classification in ambulatory electrocardiograms using a deep neural network. Nature Medicine, 2019, 25, 65-69.	30.7	1,633
2	CheXpert: A Large Chest Radiograph Dataset with Uncertainty Labels and Expert Comparison. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 590-597.	4.9	954
3	Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists. PLoS Medicine, 2018, 15, e1002686.	8.4	773
4	AI in health and medicine. Nature Medicine, 2022, 28, 31-38.	30.7	638
5	Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet. PLoS Medicine, 2018, 15, e1002699.	8.4	409
6	Deep Learningâ€“Assisted Diagnosis of Cerebral Aneurysms Using the HeadXNet Model. JAMA Network Open, 2019, 2, e195600.	5.9	163
7	Impact of a deep learning assistant on the histopathologic classification of liver cancer. Npj Digital Medicine, 2020, 3, 23.	10.9	156
8	Humanâ€“machine partnership with artificial intelligence for chest radiograph diagnosis. Npj Digital Medicine, 2019, 2, 111.	10.9	94
9	PENetâ€”a scalable deep-learning model for automated diagnosis of pulmonary embolism using volumetric CT imaging. Npj Digital Medicine, 2020, 3, 61.	10.9	72
10	CheXaid: deep learning assistance for physician diagnosis of tuberculosis using chest x-rays in patients with HIV. Npj Digital Medicine, 2020, 3, 115.	10.9	69
11	AppendiXNet: Deep Learning for Diagnosis of Appendicitis from A Small Dataset of CT Exams Using Video Pretraining. Scientific Reports, 2020, 10, 3958.	3.3	60
12	Automated coronary calcium scoring using deep learning with multicenter external validation. Npj Digital Medicine, 2021, 4, 88.	10.9	59
13	Combining Automatic Labelers and Expert Annotations for Accurate Radiology Report Labeling Using BERT. , 2020, , .		59
14	CheXtransfer. , 2021, , .		48
15	Automated abnormality detection in lower extremity radiographs using deep learning. Nature Machine Intelligence, 2019, 1, 578-583.	16.0	47
16	Evaluation of a Machine Learning Model Based on Pretreatment Symptoms and Electroencephalographic Features to Predict Outcomes of Antidepressant Treatment in Adults With Depression. JAMA Network Open, 2020, 3, e206653.	5.9	43
17	Clinical Value of Predicting Individual Treatment Effects for Intensive Blood Pressure Therapy. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e005010.	2.2	33
18	Incorporating machine learning and social determinants of health indicators into prospective risk adjustment for health plan payments. BMC Public Health, 2020, 20, 608.	2.9	27

#	Article	IF	Citations
19	Development and Validation of an Artificial Intelligence System to Optimize Clinician Review of Patient Records. JAMA Network Open, 2021, 4, e2117391.	5.9	17
20	Nasopharyngeal metabolomics and machine learning approach for the diagnosis of influenza. EBioMedicine, 2021, 71, 103546.	6.1	16
21	VisualCheXbert. , 2021, , .		11
22	DLBCL-Morph: Morphological features computed using deep learning for an annotated digital DLBCL image set. Scientific Data, 2021, 8, 135.	5.3	11
23	Improving hospital readmission prediction using individualized utility analysis. Journal of Biomedical Informatics, 2021, 119, 103826.	4.3	10
24	CheXternal. , 2021, , .		6
25	CheXED. Journal of Thoracic Imaging, 2022, 37, 162-167.	1.5	4