Greg S Corrado

List of Publications by Citations

26 papers	6,243 citations	18 h-index	27 g-index
27 ext. papers	8,645 ext. citations	19.3 avg, IF	5.95 L-index

#	Paper	IF	Citations
26	A guide to deep learning in healthcare. *Nature Medicine*, **2019**, 25, 24-29	50.5	902
25	Matching behavior and the representation of value in the parietal cortex. *Science*, **2004**, 304, 1782-7	33.3	814
24	International evaluation of an AI system for breast cancer screening. *Nature*, **2020**, 577, 89-94	50.4	707
23	Stimulus onset quenches neural variability: a widespread cortical phenomenon. *Nature Neuroscience*, **2010**, 13, 369-78	25.5	675
22	Prediction of cardiovascular risk factors from retinal fundus photographs via deep learning. *Nature Biomedical Engineering*, **2018**, 2, 158-164	19	668
21	End-to-end lung cancer screening with three-dimensional deep learning on low-dose chest computed tomography. *Nature Medicine*, **2019**, 25, 954-961	50.5	590
20	Choosing the greater of two goods: neural currencies for valuation and decision making. *Nature Reviews Neuroscience*, **2005**, 6, 363-75	13.5	447
19	Google's Multilingual Neural Machine Translation System: Enabling Zero-Shot Translation. *Transactions of the Association for Computational Linguistics*, **2017**, 5, 339-351	5.6	307
18	Grader Variability and the Importance of Reference Standards for Evaluating Machine Learning Models for Diabetic Retinopathy. *Ophthalmology*, **2018**, 125, 1264-1272	7.3	211
17	Ensuring Fairness in Machine Learning to Advance Health Equity. *Annals of Internal Medicine*, **2018**, 169, 866-872	8	192
16	Linear-Nonlinear-Poisson models of primate choice dynamics. *Journal of the Experimental Analysis of Behavior*, **2005**, 84, 581-617	2.1	149
15	A deep learning system for differential diagnosis of skin diseases. *Nature Medicine*, **2020**, 26, 900-908	50.5	115
14	An augmented reality microscope with real-time artificial intelligence integration for cancer diagnosis. *Nature Medicine*, **2019**, 25, 1453-1457	50.5	95
13	Chest Radiograph Interpretation with Deep Learning Models: Assessment with Radiologist-adjudicated Reference Standards and Population-adjusted Evaluation. *Radiology*, **2020**, 294, 421-431	20.5	73
12	Understanding neural coding through the model-based analysis of decision making. *Journal of Neuroscience*, **2007**, 27, 8178-80	6.6	69
11	Detection of anaemia from retinal fundus images via deep learning. *Nature Biomedical Engineering*, **2020**, 4, 18-27	19	60
10	Development and Validation of a Deep Learning Algorithm for Gleason Grading of Prostate Cancer From Biopsy Specimens. *JAMA Oncology*, **2020**, 6, 1372-1380	13.4	44

9	Predicting the risk of developing diabetic retinopathy using deep learning. *The Lancet Digital Health*, **2021**, 3, e10-e19	14.4	36
8	Detecting Deficient Coverage in Colonoscopies. *IEEE Transactions on Medical Imaging*, **2020**, 39, 3451-3462	7.7	18
7	Early social distancing policies in Europe, changes in mobility & COVID-19 case trajectories: Insights from Spring 2020. *PLoS ONE*, **2021**, 16, e0253071	3.7	18
6	Evaluation of the Use of Combined Artificial Intelligence and Pathologist Assessment to Review and Grade Prostate Biopsies. *JAMA Network Open*, **2020**, 3, e2023267	10.4	16
5	Development and Assessment of an Artificial Intelligence-Based Tool for Skin Condition Diagnosis by Primary Care Physicians and Nurse Practitioners in Teledermatology Practices. *JAMA Network Open*, **2021**, 4, e217249	10.4	13
4	Remote Tool-Based Adjudication for Grading Diabetic Retinopathy. *Translational Vision Science and Technology*, **2019**, 8, 40	3.3	12
3	Reply to: Transparency and reproducibility in artificial intelligence. *Nature*, **2020**, 586, E17-E18	50.4	6
2	Deep learning for distinguishing normal versus abnormal chest radiographs and generalization to two unseen diseases tuberculosis and COVID-19. *Scientific Reports*, **2021**, 11, 15523	4.9	4
1	Detection of elusive polyps using a large-scale artificial intelligence system (with videos). *Gastrointestinal Endoscopy*, **2021**, 94, 1099-1109.e10	5.2	2