

# Krzysztof J Geras

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7443673/publications.pdf>

Version: 2024-02-01

19  
papers

1,595  
citations

840585

11  
h-index

887953

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Neural Networks Improve Radiologists'™ Performance in Breast Cancer Screening. IEEE Transactions on Medical Imaging, 2020, 39, 1184-1194.	5.4	358
2	Evaluation of Combined Artificial Intelligence and Radiologist Assessment to Interpret Screening Mammograms. JAMA Network Open, 2020, 3, e200265.	2.8	236
3	Artificial Intelligence for Mammography and Digital Breast Tomosynthesis: Current Concepts and Future Perspectives. Radiology, 2019, 293, 246-259.	3.6	180
4	fastMRI: A Publicly Available Raw k-Space and DICOM Dataset of Knee Images for Accelerated MR Image Reconstruction Using Machine Learning. Radiology: Artificial Intelligence, 2020, 2, e190007.	3.0	152
5	Prediction of Total Knee Replacement and Diagnosis of Osteoarthritis by Using Deep Learning on Knee Radiographs: Data from the Osteoarthritis Initiative. Radiology, 2020, 296, 584-593.	3.6	104
6	Machine learning in breast MRI. Journal of Magnetic Resonance Imaging, 2020, 52, 998-1018.	1.9	100
7	An interpretable classifier for high-resolution breast cancer screening images utilizing weakly supervised localization. Medical Image Analysis, 2021, 68, 101908.	7.0	99
8	Artificial intelligence system reduces false-positive findings in the interpretation of breast ultrasound exams. Nature Communications, 2021, 12, 5645.	5.8	94
9	An artificial intelligence system for predicting the deterioration of COVID-19 patients in the emergency department. Npj Digital Medicine, 2021, 4, 80.	5.7	84
10	New Frontiers: An Update on Computer-Aided Diagnosis for Breast Imaging in the Age of Artificial Intelligence. American Journal of Roentgenology, 2019, 212, 300-307.	1.0	79
11	Breast Density Classification with Deep Convolutional Neural Networks. , 2018, , .		48
12	Globally-Aware Multiple Instance Classifier for Breast Cancer Screening. Lecture Notes in Computer Science, 2019, 11861, 18-26.	1.0	18
13	Artificial Intelligence Explained for Nonexperts. Seminars in Musculoskeletal Radiology, 2020, 24, 003-011.	0.4	12
14	Lessons from the first DBTex Challenge. Nature Machine Intelligence, 2021, 3, 735-736.	8.3	8
15	Differences between human and machine perception in medical diagnosis. Scientific Reports, 2022, 12, 6877.	1.6	8
16	Classifier-agnostic saliency map extraction. Computer Vision and Image Understanding, 2020, 196, 102969.	3.0	6
17	Improving the Ability of Deep Neural Networks to Use Information from Multiple Views in Breast Cancer Screening. Proceedings of Machine Learning Research, 2020, 121, 827-842.	0.3	4
18	Reducing False-Positive Biopsies using Deep Neural Networks that Utilize both Local and Global Image Context of Screening Mammograms. Journal of Digital Imaging, 2021, 34, 1414-1423.	1.6	3

#	ARTICLE	IF	CITATIONS
19	Weakly-supervised High-resolution Segmentation of Mammography Images for Breast Cancer Diagnosis.. Proceedings of Machine Learning Research, 2021, 143, 268-285.	0.3	0