Mateusz Buda

List of Publications by Year
in descending order

9 papers	2,187 citations	1039406 9 h-index	1473754 9 g-index
9 all docs	9 docs citations	9 times ranked	2750 citing authors

#	Article	IF	Citations
1	A generative adversarial network-based abnormality detection using only normal images for model training with application to digital breast tomosynthesis. Scientific Reports, 2021, 11, 10276.	1.6	14
2	A Data Set and Deep Learning Algorithm for the Detection of Masses and Architectural Distortions in Digital Breast Tomosynthesis Images. JAMA Network Open, 2021, 4, e2119100.	2.8	37
3	Deep Learning-Based Segmentation of Nodules in Thyroid Ultrasound: Improving Performance by Utilizing Markers Present in the Images. Ultrasound in Medicine and Biology, 2020, 46, 415-421.	0.7	26
4	Deep Radiogenomics of Lower-Grade Gliomas: Convolutional Neural Networks Predict Tumor Genomic Subtypes Using MR Images. Radiology: Artificial Intelligence, 2020, 2, e180050.	3.0	10
5	Management of Thyroid Nodules Seen on US Images: Deep Learning May Match Performance of Radiologists. Radiology, 2019, 292, 695-701.	3.6	127
6	Using Artificial Intelligence to Revise ACR TI-RADS Risk Stratification of Thyroid Nodules: Diagnostic Accuracy and Utility. Radiology, 2019, 292, 112-119.	3.6	90
7	Association of genomic subtypes of lower-grade gliomas with shape features automatically extracted by a deep learning algorithm. Computers in Biology and Medicine, 2019, 109, 218-225.	3.9	164
8	Deep learning in radiology: An overview of the concepts and a survey of the state of the art with focus on MRI. Journal of Magnetic Resonance Imaging, 2019, 49, 939-954.	1.9	306
9	A systematic study of the class imbalance problem in convolutional neural networks. Neural Networks, 2018, 106, 249-259.	3.3	1,413