

# Mateusz Buda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8723186/publications.pdf>

Version: 2024-02-01

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