

# Ashirbani Saha

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,571  
citations

471061

17  
h-index

642321

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2191  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Machine learning applications in imaging analysis for patients with pituitary tumors: a review of the current literature and future directions. Pituitary, 2020, 23, 273-293.	1.6	22
3	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
4	Performance of preoperative breast MRI based on breast cancer molecular subtype. Clinical Imaging, 2020, 67, 130-135.	0.8	4
5	Hierarchical Convolutional Neural Networks for Segmentation of Breast Tumors in MRI With Application to Radiogenomics. IEEE Transactions on Medical Imaging, 2019, 38, 435-447.	5.4	113
6	Deep learning analysis of breast MRIs for prediction of occult invasive disease in ductal carcinoma in situ. Computers in Biology and Medicine, 2019, 115, 103498.	3.9	45
7	Association of distant recurrence-free survival with algorithmically extracted MRI characteristics in breast cancer. Journal of Magnetic Resonance Imaging, 2019, 49, e231-e240.	1.9	16
8	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
9	Deep learning for identifying radiogenomic associations in breast cancer. Computers in Biology and Medicine, 2019, 109, 85-90.	3.9	106
10	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
11	Machine learning-based prediction of future breast cancer using algorithmically measured background parenchymal enhancement on high-risk screening MRI. Journal of Magnetic Resonance Imaging, 2019, 50, 456-464.	1.9	18
12	Multivariate machine learning models for prediction of pathologic response to neoadjuvant therapy in breast cancer using MRI features: a study using an independent validation set. Breast Cancer Research and Treatment, 2019, 173, 455-463.	1.1	127
13	Relationship between Background Parenchymal Enhancement on High-risk Screening MRI and Future Breast Cancer Risk. Academic Radiology, 2019, 26, 69-75.	1.3	38
14	Breast cancer <sc>MRI</sc> radiomics: An overview of algorithmic features and impact of inter-reader variability in annotating tumors. Medical Physics, 2018, 45, 3076-3085.	1.6	53
15	A study of association of Oncotype DX recurrence score with DCE-MRI characteristics using multivariate machine learning models. Journal of Cancer Research and Clinical Oncology, 2018, 144, 799-807.	1.2	38
16	Deep learning for segmentation of brain tumors: Impact of cross-institutional training and testing. Medical Physics, 2018, 45, 1150-1158.	1.6	117
17	Intra-tumor molecular heterogeneity in breast cancer: definitions of measures and association with distant recurrence-free survival. Breast Cancer Research and Treatment, 2018, 172, 123-132.	1.1	9
18	A machine learning approach to radiogenomics of breast cancer: a study of 922 subjects and 529 DCE-MRI features. British Journal of Cancer, 2018, 119, 508-516.	2.9	135

#	ARTICLE	IF	CITATIONS
19	Breast cancer molecular subtype classification using deep features: preliminary results. , 2018, , .		2
20	Association of high proliferation marker Ki-67 expression with DCEMR imaging features of breast: a large scale evaluation. , 2018, , .		0
21	Algorithms for prediction of the Oncotype DX recurrence score using clinicopathologic data: a review and comparison using an independent dataset. Breast Cancer Research and Treatment, 2017, 162, 1-10.	1.1	35
22	Can algorithmically assessed MRI features predict which patients with a preoperative diagnosis of ductal carcinoma in situ are upstaged to invasive breast cancer?. Journal of Magnetic Resonance Imaging, 2017, 46, 1332-1340.	1.9	19
23	Radiogenomic analysis of lower grade glioma: a pilot multi-institutional study shows an association between quantitative image features and tumor genomics. , 2017, , .		3
24	Radiogenomics of lower-grade glioma: algorithmically-assessed tumor shape is associated with tumor genomic subtypes and patient outcomes in a multi-institutional study with The Cancer Genome Atlas data. Journal of Neuro-Oncology, 2017, 133, 27-35.	1.4	74
25	Effects of MRI scanner parameters on breast cancer radiomics. Expert Systems With Applications, 2017, 87, 384-391.	4.4	60
26	Interobserver variability in identification of breast tumors in MRI and its implications for prognostic biomarkers and radiogenomics. Medical Physics, 2016, 43, 4558-4564.	1.6	20