

Jayasree Chakraborty

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

746
citations

17
h-index

25
g-index

67
ext. papers

993
ext. citations

3
avg, IF

4.15
L-index

#	Paper	IF	Citations
54	Survival Prediction in Pancreatic Ductal Adenocarcinoma by Quantitative Computed Tomography Image Analysis. <i>Annals of Surgical Oncology</i> , 2018 , 25, 1034-1042	3.1	61
53	Cooperative multi-robot path planning using differential evolution. <i>Journal of Intelligent and Fuzzy Systems</i> , 2009 , 20, 13-27	1.6	46
52	CT radiomics to predict high-risk intraductal papillary mucinous neoplasms of the pancreas. <i>Medical Physics</i> , 2018 , 45, 5019-5029	4.4	46
51	Preoperative Prediction of Microvascular Invasion in Hepatocellular Carcinoma Using Quantitative Image Analysis. <i>Journal of the American College of Surgeons</i> , 2017 , 225, 778-788.e1	4.4	43
50	Preliminary study of tumor heterogeneity in imaging predicts two year survival in pancreatic cancer patients. <i>PLoS ONE</i> , 2017 , 12, e0188022	3.7	43
49	Automatic detection of pectoral muscle using average gradient and shape based feature. <i>Journal of Digital Imaging</i> , 2012 , 25, 387-99	5.3	38
48	Influence of CT acquisition and reconstruction parameters on radiomic feature reproducibility. <i>Journal of Medical Imaging</i> , 2018 , 5, 011020	2.6	34
47	Radiomics-based prediction of microsatellite instability in colorectal cancer at initial computed tomography evaluation. <i>Abdominal Radiology</i> , 2019 , 44, 3755-3763	3	31
46	Radiomic feature reproducibility in contrast-enhanced CT of the pancreas is affected by variabilities in scan parameters and manual segmentation. <i>European Radiology</i> , 2020 , 30, 195-205	8	31
45	Short-term reproducibility of radiomic features in liver parenchyma and liver malignancies on contrast-enhanced CT imaging. <i>Abdominal Radiology</i> , 2018 , 43, 3271-3278	3	29
44	Statistical measures of orientation of texture for the detection of architectural distortion in prior mammograms of interval-cancer. <i>Journal of Electronic Imaging</i> , 2012 , 21, 033010-1	0.7	25
43	Neighborhood Structural Similarity Mapping for the Classification of Masses in Mammograms. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 826-834	7.2	24
42	Preoperative risk prediction for intraductal papillary mucinous neoplasms by quantitative CT image analysis. <i>Hpb</i> , 2019 , 21, 212-218	3.8	22
41	CT radiomics associations with genotype and stromal content in pancreatic ductal adenocarcinoma. <i>Abdominal Radiology</i> , 2019 , 44, 3148-3157	3	22
40	Brain Tumor Classification Using ResNet-101 Based Squeeze and Excitation Deep Neural Network 2019 ,		21
39	Computer-aided detection and diagnosis of mammographic masses using multi-resolution analysis of oriented tissue patterns. <i>Expert Systems With Applications</i> , 2018 , 99, 168-179	7.8	20
38	Measures of divergence of oriented patterns for the detection of architectural distortion in prior mammograms. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013 , 8, 527-45	3.9	20

37	Distributed cooperative multi-robot path planning using differential evolution 2008 ,		16
36	Classification of benign and malignant masses in mammograms using multi-resolution analysis of oriented patterns 2015 ,		14
35	Automatic characterization of masses in mammograms 2013 ,		13
34	Analysis of 2D singularities for mammographic mass classification. <i>IET Computer Vision</i> , 2017 , 11, 22-32	1.4	11
33	A heuristic approach to automated nipple detection in digital mammograms. <i>Journal of Digital Imaging</i> , 2013 , 26, 932-40	5.3	10
32	Computer-Aided Detection of Mammographic Masses Using Hybrid Region Growing Controlled by Multilevel Thresholding. <i>Journal of Medical and Biological Engineering</i> , 2019 , 39, 352-366	2.2	10
31	Rotation and translation selective Pareto optimal solution to the box-pushing problem by mobile robots using NSGA-II 2009 ,		9
30	Detection of architectural distortion in prior mammograms using statistical measures of orientation of texture 2012 ,		9
29	A Study of Different Texture Features Based on Local Operator for Benign-malignant Mass Classification. <i>Procedia Computer Science</i> , 2016 , 93, 389-395	1.6	8
28	Quantitative imaging features of pretreatment CT predict volumetric response to chemotherapy in patients with colorectal liver metastases. <i>European Radiology</i> , 2019 , 29, 458-467	8	8
27	Quantitative Imaging Features and Postoperative Hepatic Insufficiency: A Multi-Institutional Expanded Cohort. <i>Journal of the American College of Surgeons</i> , 2018 , 226, 835-843	4.4	7
26	Detection of masses in mammograms using region growing controlled by multilevel thresholding 2012 ,		7
25	Differences in Liver Parenchyma are Measurable with CT Radiomics at Initial Colon Resection in Patients that Develop Hepatic Metastases from Stage II/III Colon Cancer. <i>Annals of Surgical Oncology</i> , 2021 , 28, 1982-1989	3.1	7
24	Edge Weighted Local Texture Features for the Categorization of Mammographic Masses. <i>Journal of Medical and Biological Engineering</i> , 2018 , 38, 457-468	2.2	6
23	A Multi-Objective Pareto-Optimal Solution to the Box-Pushing Problem by Mobile Robots 2008 ,		5
22	Multimodal radiomics and cyst fluid inflammatory markers model to predict preoperative risk in intraductal papillary mucinous neoplasms. <i>Journal of Medical Imaging</i> , 2020 , 7, 031507	2.6	5
21	Detection of the nipple in mammograms with Gabor filters and the Radon transform. <i>Biomedical Signal Processing and Control</i> , 2015 , 15, 80-89	4.9	4
20	Face detection using skin color modeling and geometric feature 2014 ,		4

19	Quantification of CT images for the classification of high- and low-risk pancreatic cysts 2017 ,		3
18	Dynamic background modeling using intensity and orientation distribution of video sequence. <i>Multimedia Tools and Applications</i> , 2019 , 78, 22537-22554	2.5	3
17	A Screening CAD Tool for the Detection of Microcalcification Clusters in Mammograms. <i>Journal of Digital Imaging</i> , 2019 , 32, 728-745	5.3	3
16	A robust cooperative multi-robot path-planning in noisy environment 2010 ,		3
15	Multi-resolution analysis using integrated microscopic configuration with local patterns for benign-malignant mass classification 2018 ,		3
14	Deep convolutional neural network for the classification of hepatocellular carcinoma and intrahepatic cholangiocarcinoma 2018 ,		3
13	MhURI:A Supervised Segmentation Approach to Leverage Salient Brain Tissues in Magnetic Resonance Images. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 200, 105841	6.9	3
12	Preoperative prediction of microvascular invasion in hepatocellular carcinoma using quantitative image analysis. <i>Hpb</i> , 2017 , 19, S48	3.8	2
11	Texture analysis of gradient images for benign-malignant mass classification 2017 ,		2
10	Detection of architectural distortion using coherence in relation to the expected orientation of breast tissue 2012 ,		2
9	Texture analysis for survival prediction of pancreatic ductal adenocarcinoma patients with neoadjuvant chemotherapy 2016 ,		2
8	Recurrence After Resection of Pancreatic Cancer: Can Radiomics Predict Patients at Greatest Risk of Liver Metastasis?. <i>Annals of Surgical Oncology</i> , 2022 , 1	3.1	2
7	Video error concealment using Speeded Up Robust Features and affine transformation 2014 ,		1
6	Video error concealment through 3-D face model. <i>Multimedia Tools and Applications</i> , 2017 , 76, 23931-23955		1
5	Benign-malignant mass classification in mammogram using edge weighted local texture features 2016 ,		1
4	Quantitative Computed Tomography Image Analysis to Predict Pancreatic Neuroendocrine Tumor Grade. <i>JCO Clinical Cancer Informatics</i> , 2021 , 5, 679-694	5.2	0
3	Enhancement of Hazy Images Using Atmospheric Light Estimation Technique. <i>Journal of Circuits, Systems and Computers</i> , 2021 , 30, 2150078	0.9	0
2	A multi features based background modelling approach for moving object detection. <i>Optik</i> , 2022 , 168980.5		0

- 1 Multi-Resolution Analysis of Edge-Texture Features for Mammographic Mass Classification. *Journal of Circuits, Systems and Computers*, **2020**, 29, 2050156 0.9