

Ruijiang Li

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,838
citations

117625
34
h-index

128289
60
g-index

70
all docs

70
docs citations

70
times ranked

4662
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated imaging and molecular analysis to decipher tumor microenvironment in the era of immunotherapy. <i>Seminars in Cancer Biology</i> , 2022, 84, 310-328.	9.6	34
2	B cell-related gene signature and cancer immunotherapy response. <i>British Journal of Cancer</i> , 2022, 126, 899-906.	6.4	7
3	Predicting peritoneal recurrence and disease-free survival from CT images in gastric cancer with multitask deep learning: a retrospective study. <i>The Lancet Digital Health</i> , 2022, 4, e340-e350.	12.3	45
4	Development and Validation of a Deep Learning CT Signature to Predict Survival and Chemotherapy Benefit in Gastric Cancer. <i>Annals of Surgery</i> , 2021, 274, e1153-e1161.	4.2	99
5	Triple attention learning for classification of 14 thoracic diseases using chest radiography. <i>Medical Image Analysis</i> , 2021, 67, 101846.	11.6	78
6	Noninvasive Prediction of Occult Peritoneal Metastasis in Gastric Cancer Using Deep Learning. <i>JAMA Network Open</i> , 2021, 4, e2032269.	5.9	58
7	Predicting treatment response from longitudinal images using multi-task deep learning. <i>Nature Communications</i> , 2021, 12, 1851.	12.8	87
8	Radiographical assessment of tumour stroma and treatment outcomes using deep learning: a retrospective, multicohort study. <i>The Lancet Digital Health</i> , 2021, 3, e371-e382.	12.3	29
9	Radiological tumour classification across imaging modality and histology. <i>Nature Machine Intelligence</i> , 2021, 3, 787-798.	16.0	41
10	Tumor Subregion Evolution-Based Imaging Features to Assess Early Response and Predict Prognosis in Oropharyngeal Cancer. <i>Journal of Nuclear Medicine</i> , 2020, 61, 327-336.	5.0	27
11	Integrating Imaging, Histologic, and Genetic Features to Predict Tumor Mutation Burden of Non-Small-Cell Lung Cancer. <i>Clinical Lung Cancer</i> , 2020, 21, e151-e163.	2.6	9
12	Early response evaluation using primary tumor and nodal imaging features to predict progression-free survival of locally advanced non-small cell lung cancer. <i>Theranostics</i> , 2020, 10, 11707-11718.	10.0	32
13	Single-Cell Spatial Analysis of Tumor and Immune Microenvironment on Whole-Slide Image Reveals Hepatocellular Carcinoma Subtypes. <i>Cancers</i> , 2020, 12, 3562.	3.7	21
14	Peritumoral Radiomics and Predicting Treatment Response. <i>JAMA Network Open</i> , 2020, 3, e2016125.	5.9	7
15	Natural killer cell and stroma abundance are independently prognostic and predict gastric cancer chemotherapy benefit. <i>JCI Insight</i> , 2020, 5, .	5.0	50
16	Tensor framelet based iterative image reconstruction algorithm for low-dose multislice helical CT. <i>PLoS ONE</i> , 2019, 14, e0210410.	2.5	2
17	Integrating Tumor and Nodal Imaging Characteristics at Baseline and Mid-Treatment Computed Tomography Scans to Predict Distant Metastasis in Oropharyngeal Cancer Treated With Concurrent Chemoradiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 942-952.	0.8	23
18	The Immune Subtypes and Landscape of Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , 2019, 25, 3528-3537.	7.0	136

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19	Predicting metastasis in clinically negative axillary lymph nodes with minimum apparent diffusion coefficient value in luminal A-like breast cancer. <i>Breast Cancer</i> , 2019, 26, 628-636.	2.9	8
20	Radiomics and radiogenomics for precision radiotherapy. <i>Journal of Radiation Research</i> , 2018, 59, i25-i31.	1.6	74
21	A Quantitative CT Imaging Signature Predicts Survival and Complements Established Prognosticators in Stage I Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1098-1106.	0.8	20
22	Intratumoral Spatial Heterogeneity at Perfusion MR Imaging Predicts Recurrence-free Survival in Locally Advanced Breast Cancer Treated with Neoadjuvant Chemotherapy. <i>Radiology</i> , 2018, 288, 26-35.	7.3	102
23	Prognostic value and molecular correlates of a CT image-based quantitative pleural contact index in early stage NSCLC. <i>European Radiology</i> , 2018, 28, 736-746.	4.5	17
24	Magnetic resonance imaging and molecular features associated with tumor-infiltrating lymphocytes in breast cancer. <i>Breast Cancer Research</i> , 2018, 20, 101.	5.0	44
25	Integrating Radiosensitivity and Immune Gene Signatures for Predicting Benefit of Radiotherapy in Breast Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 4754-4762.	7.0	48
26	Robust Estimation of Electron Density From Anatomic Magnetic Resonance Imaging of the Brain Using a Unifying Multi-Atlas Approach. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 849-857.	0.8	11
27	Unsupervised Clustering of Quantitative Image Phenotypes Reveals Breast Cancer Subtypes with Distinct Prognoses and Molecular Pathways. <i>Clinical Cancer Research</i> , 2017, 23, 3334-3342.	7.0	80
28	Identifying relations between imaging phenotypes and molecular subtypes of breast cancer: Model discovery and external validation. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1017-1027.	3.4	78
29	Volume of high-risk intratumoral subregions at multi-parametric MR imaging predicts overall survival and complements molecular analysis of glioblastoma. <i>European Radiology</i> , 2017, 27, 3583-3592.	4.5	43
30	Incorporating prior biological knowledge for network-based differential gene expression analysis using differentially weighted graphical LASSO. <i>BMC Bioinformatics</i> , 2017, 18, 99.	2.6	40
31	Heterogeneous Enhancement Patterns of Tumor-adjacent Parenchyma at MR Imaging Are Associated with Dysregulated Signaling Pathways and Poor Survival in Breast Cancer. <i>Radiology</i> , 2017, 285, 401-413.	7.3	92
32	Development and Validation of an Individualized Immune Prognostic Signature in Early-Stage Nonsquamous Non-Small Cell Lung Cancer. <i>JAMA Oncology</i> , 2017, 3, 1529.	7.1	412
33	Comprehensive Analysis of the Unfolded Protein Response in Breast Cancer Subtypes. <i>JCO Precision Oncology</i> , 2017, 2017, 1-9.	3.0	6
34	Decentralized Learning Framework of Meta-Survival Analysis for Developing Robust Prognostic Signatures. <i>JCO Clinical Cancer Informatics</i> , 2017, 1, 1-13.	2.1	0
35	Prognostic value of midtreatment FDG-PET in oropharyngeal cancer. <i>Head and Neck</i> , 2016, 38, 1472-1478.	2.0	29
36	Automatic multiorgan segmentation in CT images of the male pelvis using region-specific hierarchical appearance cluster models. <i>Medical Physics</i> , 2016, 43, 5426-5436.	3.0	11

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37	Robust Intratumor Partitioning to Identify High-Risk Subregions in Lung Cancer: A Pilot Study. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1504-1512.	0.8	71
38	Early-Stage Nonâ€“Small Cell Lung Cancer: Quantitative Imaging Characteristics of ¹⁸ F Fluorodeoxyglucose PET/CT Allow Prediction of Distant Metastasis. Radiology, 2016, 281, 270-278.	7.3	152
39	Quantitative Analysis of 18F-Fluorodeoxyglucose Positron Emission Tomography Identifies Novel Prognostic Imaging Biomarkers in Locally Advanced Pancreatic Cancer Patients Treated With Stereotactic Body Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 96, 102-109.	0.8	44
40	INDEED: Integrated differential expression and differential network analysis of omic data for biomarker discovery. Methods, 2016, 111, 12-20.	3.8	28
41	Intratumor partitioning and texture analysis of dynamic contrast-enhanced (DCE)-MRI identifies relevant tumor subregions to predict pathological response of breast cancer to neoadjuvant chemotherapy. Journal of Magnetic Resonance Imaging, 2016, 44, 1107-1115.	3.4	129
42	Prognostic Imaging Biomarkers in Glioblastoma: Development and Independent Validation on the Basis of Multiregion and Quantitative Analysis of MR Images. Radiology, 2016, 278, 546-553.	7.3	90
43	Simultaneous beam sampling and aperture shape optimization for SPORT. Medical Physics, 2015, 42, 1012-1022.	3.0	15
44	Optimization approaches to volumetric modulated arc therapy planning. Medical Physics, 2015, 42, 1367-1377.	3.0	56
45	Identifying Triple-Negative Breast Cancer Using Background Parenchymal Enhancement Heterogeneity on Dynamic Contrast-Enhanced MRI: A Pilot Radiomics Study. PLoS ONE, 2015, 10, e0143308.	2.5	110
46	An initial study on the estimation of time-varying volumetric treatment images and 3D tumor localization from single MV cine EPID images. Medical Physics, 2014, 41, 081713.	3.0	23
47	Accuracy of surface registration compared to conventional volumetric registration in patient positioning for head-and-neck radiotherapy: A simulation study using patient data. Medical Physics, 2014, 41, 121701.	3.0	14
48	Assessing the Dosimetric Impact of Real-Time Prostate Motion During Volumetric Modulated Arc Therapy. International Journal of Radiation Oncology Biology Physics, 2014, 88, 1167-1174.	0.8	24
49	Nonisocentric Treatment Strategy for Breast Radiation Therapy: A Proof of Concept Study. International Journal of Radiation Oncology Biology Physics, 2014, 88, 920-926.	0.8	9
50	Clinical Implementation of Intrafraction Cone Beam Computed Tomography Imaging During Lung Tumor Stereotactic Ablative Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2013, 87, 917-923.	0.8	32
51	Evaluation of 3D fluoroscopic image generation from a single planar treatment image on patient data with a modified XCAT phantom. Physics in Medicine and Biology, 2013, 58, 841-858.	3.0	22
52	An adaptive planning strategy for station parameter optimized radiation therapy (SPORT): Segmentally boosted VMAT. Medical Physics, 2013, 40, 050701.	3.0	45
53	First study of on-treatment volumetric imaging during respiratory gated VMAT. Medical Physics, 2013, 40, 040701.	3.0	18
54	4D cone beam CT via spatiotemporal tensor framelet. Medical Physics, 2012, 39, 6943-6946.	3.0	66

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55	Real-time tumor motion estimation using respiratory surrogate via memory-based learning. Physics in Medicine and Biology, 2012, 57, 4771-4786.	3.0	13
56	Evaluation of the geometric accuracy of surrogate-based gated VMAT using intrafraction kilovoltage x-ray images. Medical Physics, 2012, 39, 2686-2693.	3.0	35
57	Accurate Respiration Measurement Using DC-Coupled Continuous-Wave Radar Sensor for Motion-Adaptive Cancer Radiotherapy. IEEE Transactions on Biomedical Engineering, 2012, 59, 3117-3123.	4.2	135
58	Intrafraction Verification of Gated RapidArc by Using Beam-Level Kilovoltage X-Ray Images. International Journal of Radiation Oncology Biology Physics, 2012, 83, e709-e715.	0.8	27
59	3D Bayesian Tracking with a Single Imager for Real-Time Image Guidance in Prostate Radiation Therapy. , 2011, , .		0
60	On a PCA-based lung motion model. Physics in Medicine and Biology, 2011, 56, 6009-6030.	3.0	87
61	Bridging the gap between IMRT and VMAT: Dense angularly sampled and sparse intensity modulated radiation therapy. Medical Physics, 2011, 38, 4912-4919.	3.0	30
62	GPU-based fast low-dose cone beam CT reconstruction via total variation. Journal of X-Ray Science and Technology, 2011, 19, 139-154.	1.0	46
63	A Bayesian approach to real-time 3D tumor localization via monoscopic x-ray imaging during treatment delivery. Medical Physics, 2011, 38, 4205-4214.	3.0	38
64	Mitigation of motion artifacts in CBCT of lung tumors based on tracked tumor motion during CBCT acquisition. Physics in Medicine and Biology, 2011, 56, 5485-5502.	3.0	16
65	Real-time volumetric image reconstruction and 3D tumor localization based on a single x-ray projection image for lung cancer radiotherapy. Medical Physics, 2010, 37, 2822-2826.	3.0	105
66	Patient-specific motion artifacts in 4DCT. Medical Physics, 2010, 37, 2855-2861.	3.0	56
67	Markerless lung tumor tracking and trajectory reconstruction using rotational cone-beam projections: a feasibility study. Physics in Medicine and Biology, 2010, 55, 2505-2522.	3.0	85
68	GPU-based fast cone beam CT reconstruction from undersampled and noisy projection data via total variation. Medical Physics, 2010, 37, 1757-1760.	3.0	208
69	A feasibility study of markerless fluoroscopic gating for lung cancer radiotherapy using 4DCT templates. Physics in Medicine and Biology, 2009, 54, N489-N500.	3.0	33
70	4D CT sorting based on patient internal anatomy. Physics in Medicine and Biology, 2009, 54, 4821-4833.	3.0	76