

Shuixing Zhang

List of Publications by Year in Descending Order

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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.

78
papers

1,682
citations

18
h-index

40
g-index

84
ext. papers

2,356
ext. citations

7.3
avg, IF

5.23
L-index

#	Paper	IF	Citations
78	Radiogenomic association between the T2-FLAIR mismatch sign and IDH mutation status in adult patients with lower-grade gliomas: an updated systematic review and meta-analysis.. <i>European Radiology</i> , 2022 , 1	8	0
77	Harnessing the 2D Structure-Enabled Viscoelasticity of Graphene-Based Hydrogel Membranes for Chronic Neural Interfacing.. <i>Small Methods</i> , 2022 , e2200022	12.8	1
76	Radiomics in precision medicine for gastric cancer: opportunities and challenges.. <i>European Radiology</i> , 2022 , 1	8	4
75	Artificial Intelligence Risk Model (Mirai) Delivers Robust Generalization and Outperforms Tyrer-Cuzick Guidelines in Breast Cancer Screening.. <i>Journal of Clinical Oncology</i> , 2022 , JCO2102908	2.2	1
74	Real-time automatic prediction of treatment response to transcatheter arterial chemoembolization in patients with hepatocellular carcinoma using deep learning based on digital subtraction angiography videos.. <i>Cancer Imaging</i> , 2022 , 22, 23	5.6	0
73	Three-Dimensional CT for Quantification of Longitudinal Lung and Pneumonia Variations in COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021 , 8, 643917	4.9	0
72	Elevated fasting blood glucose at admission is associated with poor outcomes in patients with COVID-19. <i>Diabetes and Metabolism</i> , 2021 , 47, 101189	5.4	1
71	Exploring the predictive value of additional peritumoral regions based on deep learning and radiomics: A multicenter study. <i>Medical Physics</i> , 2021 , 48, 2374-2385	4.4	5
70	Comparison of Clinical Features and CT Temporal Changes Between Familial Clusters and Non-familial Patients With COVID-19 Pneumonia. <i>Frontiers in Medicine</i> , 2021 , 8, 630802	4.9	1
69	RE: A Prognostic Predictive System Based on Deep Learning for Locoregionally Advanced Nasopharyngeal Carcinoma. <i>Journal of the National Cancer Institute</i> , 2021 ,	9.7	0
68	The Potential of Radiomics in the Assessment of Intestinal Fibrosis in Crohn's Disease. <i>Gastroenterology</i> , 2021 , 161, 2065-2066	13.3	2
67	CT-based radiomics for predicting the rapid progression of coronavirus disease 2019 (COVID-19) pneumonia lesions. <i>British Journal of Radiology</i> , 2021 , 94, 20201007	3.4	7
66	A deep-learning model to assist thyroid nodule diagnosis and management. <i>The Lancet Digital Health</i> , 2021 , 3, e410	14.4	1
65	Quantitative MRI-based radiomics for noninvasively predicting molecular subtypes and survival in glioma patients. <i>Npj Precision Oncology</i> , 2021 , 5, 72	9.8	5
64	Changes in the topological organization of the default mode network in autism spectrum disorder. <i>Brain Imaging and Behavior</i> , 2021 , 15, 1058-1067	4.1	8
63	MRI-Based Deep-Learning Model for Distant Metastasis-Free Survival in Locoregionally Advanced Nasopharyngeal Carcinoma. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 167-178	5.6	9
62	Previous cardiovascular surgery significantly increases the risk of developing critical illness in patients with COVID-19. <i>Journal of Infection</i> , 2021 , 82, 282-327	18.9	1

61	Machine learning classifiers for predicting 3-year progression-free survival and overall survival in patients with gliomas after surgery. <i>Journal of Cancer</i> , 2021 , 12, 1604-1615	4.5	1
60	Predicting hyperprogressive disease in patients with advanced hepatocellular carcinoma treated with anti-programmed cell death 1 therapy. <i>EClinicalMedicine</i> , 2021 , 31, 100673	11.3	7
59	Machine learning models for predicting critical illness risk in hospitalized patients with COVID-19 pneumonia. <i>Journal of Thoracic Disease</i> , 2021 , 13, 1215-1229	2.6	3
58	The potential indicators for pulmonary fibrosis in survivors of severe COVID-19. <i>Journal of Infection</i> , 2021 , 82, e5-e7	18.9	31
57	Concurrent chemoradiotherapy with additional chemotherapy for nasopharyngeal carcinoma: A pooled analysis of propensity score-matching studies. <i>Head and Neck</i> , 2021 , 43, 1912-1927	4.2	1
56	Deep Learning With 3D Convolutional Neural Network for Noninvasive Prediction of Microvascular Invasion in Hepatocellular Carcinoma. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 134-143	5.6	7
55	Predicting Intensive Care Unit Length of Stay After Acute Type A Aortic Dissection Surgery Using Machine Learning. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 675431	5.4	2
54	Current status and quality of radiomic studies for predicting immunotherapy response and outcome in patients with non-small cell lung cancer: a systematic review and meta-analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 1	8.8	7
53	Tumor-Associated Macrophages and Their Functional Transformation in the Hypoxic Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2021 , 12, 741305	8.4	4
52	Medical-VLBERT: Medical Visual Language BERT for COVID-19 CT Report Generation With Alternate Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3786-3797	10.3	2
51	Clinical Utility of a Nomogram for Predicting 30-Days Poor Outcome in Hospitalized Patients With COVID-19: Multicenter External Validation and Decision Curve Analysis. <i>Frontiers in Medicine</i> , 2020 , 7, 590460	4.9	5
50	Unmatched clinical presentation and chest CT manifestation in a patient with severe coronavirus disease 2019 (COVID-19). <i>Quantitative Imaging in Medicine and Surgery</i> , 2020 , 10, 871-873	3.6	9
49	Unfavorable outcomes in pregnant patients with COVID-19. <i>Journal of Infection</i> , 2020 , 81, e99-e101	18.9	14
48	Domain Transform Network for Photoacoustic Tomography from Limited-view and Sparsely Sampled Data. <i>Photoacoustics</i> , 2020 , 19, 100190	9	19
47	Development and validation of a Web-based malignancy risk-stratification system of thyroid nodules. <i>Clinical Endocrinology</i> , 2020 , 93, 729-738	3.4	
46	Children hospitalized for coronavirus disease 2019 (COVID-19): A multicenter retrospective descriptive study. <i>Journal of Infection</i> , 2020 , 81, e74-e75	18.9	17
45	Ultrasound Real-Time Tissue Elastography Improves the Diagnostic Performance of the ACR Thyroid Imaging Reporting and Data System in Differentiating Malignant from Benign Thyroid Nodules: A Summary of 1525 Thyroid Nodules. <i>International Journal of Endocrinology</i> , 2020 , 2020, 1749351	2.7	8
44	Novel coronavirus disease 2019 (COVID-19): relationship between chest CT scores and laboratory parameters. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2083-2089	8.8	17

43	Clinical course of severe and critically ill patients with coronavirus disease 2019 (COVID-19): A comparative study. <i>Journal of Infection</i> , 2020 , 81, e82-e84	18.9	8
42	Machine-learning based MRI radiomics models for early detection of radiation-induced brain injury in nasopharyngeal carcinoma. <i>BMC Cancer</i> , 2020 , 20, 502	4.8	15
41	Clinical Features and Outcomes of Coronavirus Disease 2019 (COVID-19) Patients With Chronic Hepatitis B Virus Infection. <i>Clinical Gastroenterology and Hepatology</i> , 2020 , 18, 2633-2637	6.9	8
40	Anormal pulmonary function and residual CT abnormalities in rehabilitating COVID-19 patients after discharge. <i>Journal of Infection</i> , 2020 , 81, e150-e152	18.9	51
39	Evaluating primary intra-arterial chemotherapy versus intravenous plus intra-arterial chemotherapy for advanced intraocular retinoblastoma. <i>Cancer Chemotherapy and Pharmacology</i> , 2020 , 85, 723-730	3.5	4
38	Admission fasting blood glucose predicts 30-day poor outcome in patients hospitalized for COVID-19 pneumonia. <i>Diabetes, Obesity and Metabolism</i> , 2020 , 22, 1955-1957	6.7	18
37	N-Aryl Amides as Chemical Exchange Saturation Transfer Magnetic Resonance Imaging Contrast Agents. <i>Chemistry - A European Journal</i> , 2020 , 26, 11705-11709	4.8	2
36	Association of MRI-derived radiomic biomarker with disease-free survival in patients with early-stage cervical cancer. <i>Theranostics</i> , 2020 , 10, 2284-2292	12.1	26
35	Letter to the Editor: "Our Response to COVID-19 as Endocrinologists and Diabetologists". <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	1
34	The indispensable role of chest CT in the detection of coronavirus disease 2019 (COVID-19). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1638-1639	8.8	39
33	Treatment With Convalescent Plasma for Critically Ill Patients With Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Chest</i> , 2020 , 158, e9-e13	5.3	288
32	Positive rectal swabs in young patients recovered from coronavirus disease 2019 (COVID-19). <i>Journal of Infection</i> , 2020 , 81, e49-e52	18.9	53
31	Immune-checkpoint inhibitor plus chemotherapy conventional chemotherapy for treatment of recurrent or metastatic head and neck squamous cell carcinoma: a systematic review and network meta-analysis. <i>Therapeutic Advances in Medical Oncology</i> , 2020 , 12, 1758835920983717	5.4	3
30	In vivo three-dimensional evaluation of tumour hypoxia in nasopharyngeal carcinomas using FMT-CT and MSOT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1027-1038	8.8	7
29	Prognostic value of the radiomics-based model in progression-free survival of hypopharyngeal cancer treated with chemoradiation. <i>European Radiology</i> , 2020 , 30, 833-843	8	15
28	Corticosteroid-Induced Osteonecrosis in COVID-19: A Call For Caution. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1828-1829	6.3	21
27	Deep learning of lumbar spine X-ray for osteopenia and osteoporosis screening: A multicenter retrospective cohort study. <i>Bone</i> , 2020 , 140, 115561	4.7	17
26	Development of a Deep Learning Model to Identify Lymph Node Metastasis on Magnetic Resonance Imaging in Patients With Cervical Cancer. <i>JAMA Network Open</i> , 2020 , 3, e2011625	10.4	16

25	. <i>IEEE Access</i> , 2020 , 8, 184710-184721	3.5	0
24	Diffusion Tensor Imaging for Quantitative Assessment of Anterior Cruciate Ligament Injury Grades and Graft. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 1475-1484	5.6	1
23	Neoadjuvant nano-photothermal therapy used before operation effectively assists in surgery for breast cancer. <i>Nanoscale</i> , 2019 , 11, 706-716	7.7	7
22	Potential value of non-echo-planar diffusion-weighted imaging of the nasopharynx: a primary study for differential diagnosis between recurrent nasopharyngeal carcinoma and post-chemoradiation fibrosis. <i>Acta Radiologica</i> , 2019 , 60, 1265-1272	2	6
21	Diagnostic value of multimodal ultrasound imaging in differentiating benign and malignant TI-RADS category 4 nodules. <i>International Journal of Clinical Oncology</i> , 2019 , 24, 632-639	4.2	4
20	Machine Learning-Assisted System for Thyroid Nodule Diagnosis. <i>Thyroid</i> , 2019 , 29, 858-867	6.2	38
19	Extradomain-B Fibronectin-Targeted Dextran-Based Chemical Exchange Saturation Transfer Magnetic Resonance Imaging Probe for Detecting Pancreatic Cancer. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1425-1433	6.3	18
18	Radiomic Nomogram: Pretreatment Evaluation of Local Recurrence in Nasopharyngeal Carcinoma based on MR Imaging. <i>Journal of Cancer</i> , 2019 , 10, 4217-4225	4.5	27
17	Intra-arterial chemotherapy as primary or secondary treatment for infants diagnosed with advanced retinoblastoma before 3 months of age. <i>BMC Cancer</i> , 2019 , 19, 693	4.8	7
16	Radiomic Nomogram Improves Preoperative T Category Accuracy in Locally Advanced Laryngeal Carcinoma. <i>Frontiers in Oncology</i> , 2019 , 9, 1064	5.3	12
15	The effects of volume of interest delineation on MRI-based radiomics analysis: evaluation with two disease groups. <i>Cancer Imaging</i> , 2019 , 19, 89	5.6	15
14	Development and validation of a magnetic resonance imaging-based model for the prediction of distant metastasis before initial treatment of nasopharyngeal carcinoma: A retrospective cohort study. <i>EBioMedicine</i> , 2019 , 40, 327-335	8.8	47
13	MRI detection of bacterial brain abscesses and monitoring of antibiotic treatment using bacCEST. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 662-671	4.4	16
12	Comparison between intravenous chemotherapy and intra-arterial chemotherapy for retinoblastoma: a meta-analysis. <i>BMC Cancer</i> , 2018 , 18, 486	4.8	20
11	Application of noninvasive functional imaging to monitor the progressive changes in kidney diffusion and perfusion in contrast-induced acute kidney injury rats at 3.0 T. <i>Abdominal Radiology</i> , 2018 , 43, 655-662	3	10
10	Preoperative prediction of sentinel lymph node metastasis in breast cancer based on radiomics of T2-weighted fat-suppression and diffusion-weighted MRI. <i>European Radiology</i> , 2018 , 28, 582-591	8	133
9	Multiple Odontogenic Cysts and Intracranial Calcification: Gorlin-Goltz Syndrome. <i>Radiology</i> , 2018 , 289, 29	20.5	1
8	CEST MRI of sepsis-induced acute kidney injury. <i>NMR in Biomedicine</i> , 2018 , 31, e3942	4.4	12

7	Bag of deep features for preoperative prediction of sentinel lymph node metastasis in breast cancer. <i>Physics in Medicine and Biology</i> , 2018 , 63, 245014	3.8	14
6	Prediction and understanding of AIE effect by quantum mechanics-aided machine-learning algorithm. <i>Chemical Communications</i> , 2018 , 54, 7955-7958	5.8	15
5	Radiomics Features of Multiparametric MRI as Novel Prognostic Factors in Advanced Nasopharyngeal Carcinoma. <i>Clinical Cancer Research</i> , 2017 , 23, 4259-4269	12.9	285
4	Intravoxel incoherent motion MRI for the differentiation of benign, intermediate, and malignant solid soft-tissue tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1611-1618	5.6	17
3	Radiomic machine-learning classifiers for prognostic biomarkers of advanced nasopharyngeal carcinoma. <i>Cancer Letters</i> , 2017 , 403, 21-27	9.9	142
2	Advanced nasopharyngeal carcinoma: pre-treatment prediction of progression based on multi-parametric MRI radiomics. <i>Oncotarget</i> , 2017 , 8, 72457-72465	3.3	36
1	Diffusion-weighted multiparametric MRI for monitoring longitudinal changes of parameters in rabbit VX2 liver tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 707-14	5.6	6