

# Shuixing Zhang

## List of Publications by Year in descending order

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79  
papers

3,043  
citations

218677  
26  
h-index

182427  
51  
g-index

84  
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84  
docs citations

84  
times ranked

5104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomics Features of Multiparametric MRI as Novel Prognostic Factors in Advanced Nasopharyngeal Carcinoma. <i>Clinical Cancer Research</i> , 2017, 23, 4259-4269.	7.0	420
2	Treatment With Convalescent Plasma for Critically Ill Patients With Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Chest</i> , 2020, 158, e9-e13.	0.8	359
3	Radiomic machine-learning classifiers for prognostic biomarkers of advanced nasopharyngeal carcinoma. <i>Cancer Letters</i> , 2017, 403, 21-27.	7.2	211
4	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.	4.5	193
5	Anormal pulmonary function and residual CT abnormalities in rehabilitating COVID-19 patients after discharge. <i>Journal of Infection</i> , 2020, 81, e150-e152.	3.3	93
6	Machine Learning-Assisted System for Thyroid Nodule Diagnosis. <i>Thyroid</i> , 2019, 29, 858-867.	4.5	88
7	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.	6.1	76
8	Tumor-Associated Macrophages and Their Functional Transformation in the Hypoxic Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 741305.	4.8	76
9	Positive rectal swabs in young patients recovered from coronavirus disease 2019 (COVID-19). <i>Journal of Infection</i> , 2020, 81, e49-e52.	3.3	70
10	Deep learning of lumbar spine X-ray for osteopenia and osteoporosis screening: A multicenter retrospective cohort study. <i>Bone</i> , 2020, 140, 115561.	2.9	67
11	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.	6.4	62
12	Advanced nasopharyngeal carcinoma: pre-treatment prediction of progression based on multi-parametric MRI radiomics. <i>Oncotarget</i> , 2017, 8, 72457-72465.	1.8	62
13	The potential indicators for pulmonary fibrosis in survivors of severe COVID-19. <i>Journal of Infection</i> , 2021, 82, e5-e7.	3.3	59
14	Association of MRI-derived radiomic biomarker with disease-free survival in patients with early-stage cervical cancer. <i>Theranostics</i> , 2020, 10, 2284-2292.	10.0	57
15	Quantitative MRI-based radiomics for noninvasively predicting molecular subtypes and survival in glioma patients. <i>Npj Precision Oncology</i> , 2021, 5, 72.	5.4	54
16	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.	5.9	51
17	Radiomic Nomogram: Pretreatment Evaluation of Local Recurrence in Nasopharyngeal Carcinoma based on MR Imaging. <i>Journal of Cancer</i> , 2019, 10, 4217-4225.	2.5	41
18	Domain Transform Network for Photoacoustic Tomography from Limited-view and Sparsely Sampled Data. <i>Photoacoustics</i> , 2020, 19, 100190.	7.8	39

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19	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, 49, 345-360.	6.4	39
20	Radiomics in precision medicine for gastric cancer: opportunities and challenges. <i>European Radiology</i> , 2022, 32, 5852-5868.	4.5	38
21	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.	3.4	37
22	Corticosteroid-Induced Osteonecrosis in COVID-19: A Call For Caution. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1828-1829.	2.8	36
23	Machine-learning based MRI radiomics models for early detection of radiation-induced brain injury in nasopharyngeal carcinoma. <i>BMC Cancer</i> , 2020, 20, 502.	2.6	35
24	Comparison between intravenous chemotherapy and intra-arterial chemotherapy for retinoblastoma: a meta-analysis. <i>BMC Cancer</i> , 2018, 18, 486.	2.6	33
25	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.	4.5	32
26	The effects of volume of interest delineation on MRI-based radiomics analysis: evaluation with two disease groups. <i>Cancer Imaging</i> , 2019, 19, 89.	2.8	31
27	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.	3.0	30
28	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.	4.4	29
29	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.	11.3	29
30	CEST MRI of sepsis-induced acute kidney injury. <i>NMR in Biomedicine</i> , 2018, 31, e3942.	2.8	28
31	Radiomic Nomogram Improves Preoperative T Category Accuracy in Locally Advanced Laryngeal Carcinoma. <i>Frontiers in Oncology</i> , 2019, 9, 1064.	2.8	28
32	Changes in the topological organization of the default mode network in autism spectrum disorder. <i>Brain Imaging and Behavior</i> , 2021, 15, 1058-1067.	2.1	28
33	MRI detection of bacterial brain abscesses and monitoring of antibiotic treatment using bacCEST. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 662-671.	3.0	25
34	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.	3.6	25
35	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.	3.4	24
36	Prediction and understanding of AIE effect by quantum mechanics-aided machine-learning algorithm. <i>Chemical Communications</i> , 2018, 54, 7955-7958.	4.1	23

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37	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.	6.4	23
38	Predicting hyperprogressive disease in patients with advanced hepatocellular carcinoma treated with anti-programmed cell death 1 therapy. <i>EClinicalMedicine</i> , 2021, 31, 100673.	7.1	23
39	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.	3.4	20
40	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.	3.0	20
41	Unfavorable outcomes in pregnant patients with COVID-19. <i>Journal of Infection</i> , 2020, 81, e99-e101.	3.3	19
42	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, 1-11.	1.5	19
43	Children hospitalized for coronavirus disease 2019 (COVID-19): A multicenter retrospective descriptive study. <i>Journal of Infection</i> , 2020, 81, e74-e75.	3.3	18
44	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.	4.4	18
45	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.	2.1	17
46	Neoadjuvant nano-photothermal therapy used before operation effectively assists in surgery for breast cancer. <i>Nanoscale</i> , 2019, 11, 706-716.	5.6	17
47	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.	2.2	17
48	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.	6.4	17
49	Intra-arterial chemotherapy as primary or secondary treatment for infants diagnosed with advanced retinoblastoma before 36 months of age. <i>BMC Cancer</i> , 2019, 19, 693.	2.6	16
50	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.	3.3	12
51	Harnessing the 2D Structure-Enabled Viscoelasticity of Graphene-Based Hydrogel Membranes for Chronic Neural Interfacing. <i>Small Methods</i> , 2022, 6, e2200022.	8.6	12
52	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.	2.8	12
53	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.	2.6	11
54	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.	1.4	11

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55	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.	2.2	11
56	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.	1.1	10
57	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.	2.0	10
58	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.	2.4	10
59	Diffusion-weighted multiparametric MRI for monitoring longitudinal changes of parameters in rabbit VX2 liver tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 707-714.	3.4	9
60	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, 32, 5339-5352.	4.5	9
61	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.	2.3	8
62	Immune-checkpoint inhibitor plus chemotherapy versus 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, 175883592098371.	3.2	7
63	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.	3.4	6
64	The Potential of Radiomics in the Assessment of Intestinal Fibrosis in Crohn's Disease. <i>Gastroenterology</i> , 2021, 161, 2065-2066.	1.3	5
65	A deep-learning model to assist thyroid nodule diagnosis and management. <i>The Lancet Digital Health</i> , 2021, 3, e410.	12.3	5
66	N-Aryl Amides as Chemical Exchange Saturation Transfer Magnetic Resonance Imaging Contrast Agents. <i>Chemistry - A European Journal</i> , 2020, 26, 11705-11709.	3.3	4
67	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.	2.0	3
68	Multiple Odontogenic Cysts and Intracranial Calcification: Gorlin-Goltz Syndrome. <i>Radiology</i> , 2018, 289, 29-29.	7.3	2
69	Letter to the Editor: "Our Response to COVID-19 as Endocrinologists and Diabetologists". <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2663-e2664.	3.6	2
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.	2.6	2
71	Deep Longitudinal Feature Representations for Detection of Postradiotherapy Brain Injury at Presymptomatic Stage. <i>IEEE Access</i> , 2020, 8, 184710-184721.	4.2	1
72	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.	3.3	1

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73	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.	2.5	1
74	Three-Dimensional CT for Quantification of Longitudinal Lung and Pneumonia Variations in COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021, 8, 643917.	2.6	1
75	Elevated fasting blood glucose at admission is associated with poor outcomes in patients with COVID-19. <i>Diabetes and Metabolism</i> , 2021, 47, 101189.	2.9	1
76	RE: A Prognostic Predictive System Based on Deep Learning for Locoregionally Advanced Nasopharyngeal Carcinoma. <i>Journal of the National Cancer Institute</i> , 2021, , .	6.3	1
77	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.	1.6	1
78	Development and validation of a Web-based malignancy risk-stratification system of thyroid nodules. <i>Clinical Endocrinology</i> , 2020, 93, 729-738.	2.4	0
79	Radiomics derived morphological features predict pulmonary function response under lumacaftor-ivacaftor in patients with cystic fibrosis. <i>European Respiratory Journal</i> , 2022, , 2103077.	6.7	0