Wei Mu

List of Publications by Year
in descending order

31 papers	1,329 citations	566801 15 h-index	525886 27 g-index
34 all docs	34 docs citations	34 times ranked	1930 citing authors

#	Article	IF	Citations
1	Volume doubling time and radiomic features predict tumor behavior of screen-detected lung cancers. Cancer Biomarkers, 2022, 33, 489-501.	0.8	4
2	Images Are Data: Challenges and Opportunities in the Clinical Translation of Radiomics. Cancer Research, 2022, 82, 2066-2068.	0.4	12
3	The Role of Imaging in the Detection and Management of COVID-19: A Review. IEEE Reviews in Biomedical Engineering, 2021, 14, 16-29.	13.1	273
4	Deep-learning and MR images to target hypoxic habitats with evofosfamide in preclinical models of sarcoma. Theranostics, 2021, 11, 5313-5329.	4.6	11
5	Radiomics predicts risk of cachexia in advanced NSCLC patients treated with immune checkpoint inhibitors. British Journal of Cancer, 2021, 125, 229-239.	2.9	21
6	Non-invasive measurement of PD-L1 status and prediction of immunotherapy response using deep learning of PET/CT images. , 2021, 9, e002118.		75
7	Deep Learning-Based Prediction of Future Extrahepatic Metastasis and Macrovascular Invasion in Hepatocellular Carcinoma. Journal of Hepatocellular Carcinoma, 2021, Volume 8, 1065-1076.	1.8	5
8	Assessing PD-L1 expression in non-small cell lung cancer and predicting responses to immune checkpoint inhibitors using deep learning on computed tomography images. Theranostics, 2021, 11, 2098-2107.	4.6	75
9	Predicting the nature of pleural effusion in patients with lung adenocarcinoma based on 18F-FDG PET/CT. EJNMMI Research, 2021, 11, 108.	1.1	6
10	Whole-tumor radiomics analysis of DKI and DTI may improve the prediction of genotypes for astrocytomas: A preliminary study. European Journal of Radiology, 2020, 124, 108785.	1.2	7
11	Radiomics of 18F-FDG PET/CT images predicts clinical benefit of advanced NSCLC patients to checkpoint blockade immunotherapy. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1168-1182.	3.3	115
12	Non-invasive decision support for NSCLC treatment using PET/CT radiomics. Nature Communications, 2020, 11, 5228.	5.8	149
13	Prediction of clinically relevant Pancreatico-enteric Anastomotic Fistulas after Pancreatoduodenectomy using deep learning of Preoperative Computed Tomography. Theranostics, 2020, 10, 9779-9788.	4.6	18
14	^{18}F-FDG PET/CT Habitat Radiomics Predicts Outcome of Patients with Cervical Cancer Treated with Chemoradiotherapy. Radiology: Artificial Intelligence, 2020, 2, e190218.	3.0	19
15	Radiomics of [18]F Fluorodeoxyglucose PET/CT Images Predicts Severe Immune-related Adverse Events in Patients with NSCLC. Radiology: Artificial Intelligence, 2020, 2, e190063.	3.0	24
16	Abstract 868: Prediction of clinical benefit to checkpoint blockade in advanced NSCLC patients using radiomics of PET/CT images. Cancer Research, 2020, 80, 868-868.	0.4	2
17	Improving survival prediction of high-grade glioma via machine learning techniques based on MRI radiomic, genetic and clinical risk factors. European Journal of Radiology, 2019, 120, 108609.	1.2	48
18	Integrating manual diagnosis into radiomics for reducing the false positive rate of 18F-FDG PET/CT diagnosis in patients with suspected lung cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2770-2779.	3.3	28

#	Article	IF	Citations
19	Multi-window CT based Radiomic signatures in differentiating indolent versus aggressive lung cancers in the National Lung Screening Trial: a retrospective study. Cancer Imaging, 2019, 19, 45.	1.2	18
20	A Non-invasive Radiomic Method Using 18F-FDG PET Predicts Isocitrate Dehydrogenase Genotype and Prognosis in Patients With Glioma. Frontiers in Oncology, 2019, 9, 1183.	1.3	41
21	Radiomics in Medical Imaging—Detection, Extraction and Segmentation. Intelligent Systems Reference Library, 2018, , 267-333.	1.0	4
22	Quantitative imaging of cancer in the postgenomic era: Radio(geno)mics, deep learning, and habitats. Cancer, 2018, 124, 4633-4649.	2.0	125
23	Radiomic biomarkers from PET/CT multi-modality fusion images for the prediction of immunotherapy response in advanced non-small cell lung cancer patients. , 2018, , .		16
24	Abstract 3634: PET/CT imaging prediction of response to checkpoint blockade in advanced non-small cell lung cancer patients. , 2018, , .		0
25	Calorie restriction-induced SIRT6 activation delays aging by suppressing NF-κB signaling. Cell Cycle, 2016, 15, 1009-1018.	1.3	89
26	Cyclic AMP Mimics the Anti-ageing Effects of Calorie Restriction by Up-Regulating Sirtuin. Scientific Reports, 2015, 5, 12012.	1.6	45
27	Staging of cervical cancer based on tumor heterogeneity characterized by texture features on 18F-FDG PET images. Physics in Medicine and Biology, 2015, 60, 5123-5139.	1.6	68
28	A Segmentation Algorithm for Quantitative Analysis of Heterogeneous Tumors of the Cervix With 18 F-FDG PET/CT. IEEE Transactions on Biomedical Engineering, 2015, 62, 2465-2479.	2.5	18
29	Automatic localization of vertebrae based on convolutional neural networks. Proceedings of SPIE, 2015, , .	0.8	6
30	Noninvasive Estimation of the Input Function for Dynamic Mouse <formula formulatype="inline"><tex Notation="TeX"> $^{f 18}$</tex></formula>F-FDG MicroPET Studies. IEEE Transactions on Biomedical Engineering, 2013, 60, 3103-3112.	2.5	6
31	The Role of Imaging in the Detection and Management of COVID-19: A Review. , 0, .		1