

Yikai Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7078146/publications.pdf>

Version: 2024-02-01

76
papers

1,976
citations

236912

25
h-index

289230

40
g-index

78
all docs

78
docs citations

78
times ranked

3053
citing authors

#	ARTICLE	IF	CITATIONS
1	A fully automatic artificial intelligence-based CT image analysis system for accurate detection, diagnosis, and quantitative severity evaluation of pulmonary tuberculosis. <i>European Radiology</i> , 2022, 32, 2188-2199.	4.5	30
2	Evaluation of microvascular invasion of hepatocellular carcinoma using whole-lesion histogram analysis with the stretched-exponential diffusion model. <i>British Journal of Radiology</i> , 2022, 95, 20210631.	2.2	3
3	Functionalized Au@Cu-Sb-S Nanoparticles for Spectral CT/Photoacoustic Imaging-Guided Synergetic Photo-Radiotherapy in Breast Cancer. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 395-407.	6.7	6
4	A tumor microenvironment dual responsive contrast agent for contrary contrast-magnetic resonance imaging and specific chemotherapy of tumors. <i>Nanoscale Horizons</i> , 2022, 7, 403-413.	8.0	9
5	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
6	Rapid synthesis of yolk-shell-like nanosystem for MR molecular and chemo-radio sensitization. <i>Journal of Controlled Release</i> , 2022, 347, 55-67.	9.9	8
7	Intestinal fibrosis classification in patients with Crohn's disease using CT enterography-based deep learning: comparisons with radiomics and radiologists. <i>European Radiology</i> , 2022, 32, 8692-8705.	4.5	30
8	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
9	Recommendations for coronavirus disease 2019 (COVID-19) prevention and infection control in the radiology department: Chinese experience. <i>Clinical Imaging</i> , 2021, 69, 33-36.	1.5	11
10	Cycle-Consistent Generative Adversarial Network: Effect on Radiation Dose Reduction and Image Quality Improvement in Ultralow-Dose CT for Evaluation of Pulmonary Tuberculosis. <i>Korean Journal of Radiology</i> , 2021, 22, 983.	3.4	9
11	Noninvasive Prediction of Occult Peritoneal Metastasis in Gastric Cancer Using Deep Learning. <i>JAMA Network Open</i> , 2021, 4, e2032269.	5.9	58
12	Noninvasive Assessment of O(6)-Methylguanine-DNA Methyltransferase Promoter Methylation Status in World Health Organization Grade IV Glioma Using Histogram Analysis of Inflow-Based Vascular Space Occupancy Combined with Structural Magnetic Resonance Imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 227-236.	3.4	4
13	The FTO m6A demethylase inhibits the invasion and migration of prostate cancer cells by regulating total m6A levels. <i>Life Sciences</i> , 2021, 271, 119180.	4.3	29
14	Preoperative Gadoteric Acid-Enhanced MRI Based Nomogram Improves Prediction of Early HCC Recurrence After Ablation Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 649682.	2.8	8
15	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
16	An attention-based deep learning model for predicting microvascular invasion of hepatocellular carcinoma using an intra-voxel incoherent motion model of diffusion-weighted magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , 2021, 66, 185019.	3.0	8
17	Cross-Cultural Adaptation and Validation of the Emotional Inhibition Scale in a Chinese Cancer Sample. <i>Frontiers in Psychology</i> , 2021, 12, 654777.	2.1	0
18	Intelligent Pore Switch of Hollow Mesoporous Organosilica Nanoparticles for High Contrast Magnetic Resonance Imaging and Tumor-Specific Chemotherapy. <i>Nano Letters</i> , 2021, 21, 9551-9559.	9.1	31

#	ARTICLE	IF	CITATIONS
19	Radiomics signature based on computed tomography images for the preoperative prediction of lymph node metastasis at individual stations in gastric cancer: A multicenter study. <i>Radiotherapy and Oncology</i> , 2021, 165, 179-190.	0.6	9
20	A deformable model for navigated laparoscopic gastrectomy based on finite elemental method. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2020, 29, 210-216.	1.2	1
21	Mitochondria-targeted aggregation-induced emission active near infrared fluorescent probe for real-time imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117456.	3.9	9
22	Residual convolutional neural network for predicting response of transarterial chemoembolization in hepatocellular carcinoma from CT imaging. <i>European Radiology</i> , 2020, 30, 413-424.	4.5	127
23	Radiomics of small renal masses on multiphase CT: accuracy of machine learning-based classification models for the differentiation of renal cell carcinoma and angiomyolipoma without visible fat. <i>European Radiology</i> , 2020, 30, 1254-1263.	4.5	69
24	Differential detection of metastatic and inflammatory lymph nodes using intravoxel incoherent motion diffusion-weighted imaging. <i>Magnetic Resonance Imaging</i> , 2020, 65, 62-66.	1.8	2
25	Ultrasmall Superparamagnetic Iron Oxide Labeled Silk Fibroin/Hydroxyapatite Multifunctional Scaffold Loaded With Bone Marrow-Derived Mesenchymal Stem Cells for Bone Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 697.	4.1	19
26	Radiomics Nomogram for Prediction of Peritoneal Metastasis in Patients With Gastric Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 1416.	2.8	22
27	Clear cell renal cell carcinoma: the value of sex-specific abdominal visceral fat measured on CT for prediction of Fuhrman nuclear grade. <i>European Radiology</i> , 2020, 30, 3977-3986.	4.5	13
28	Functional connectivity changes of nucleus Accumbens Shell portion in left mesial temporal lobe epilepsy patients. <i>Brain Imaging and Behavior</i> , 2020, 14, 2659-2667.	2.1	5
29	Non-Gaussian Diffusion Models and T1 rho Quantification in the Assessment of Hepatic Sinusoidal Obstruction Syndrome in Rats. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1110-1121.	3.4	2
30	Meta-analysis of the Value of Cardiac Nuclear Magnetic Resonance in the Diagnosis of Viral Myocarditis. <i>Journal of the College of Physicians and Surgeons-Pakistan: JCPSP</i> , 2020, 30, 1326-1331.	0.4	0
31	Radiomics nomogram for predicting the malignant potential of gastrointestinal stromal tumours preoperatively. <i>European Radiology</i> , 2019, 29, 1074-1082.	4.5	52
32	Intravoxel incoherent motion diffusion-weighted MRI in patients with breast cancer: Correlation with tumor stroma characteristics. <i>European Journal of Radiology</i> , 2019, 120, 108686.	2.6	11
33	Early identification of neonatal mild hypoxic-ischemic encephalopathy by amide proton transfer magnetic resonance imaging: A pilot study. <i>European Journal of Radiology</i> , 2019, 119, 108620.	2.6	7
34	CT and CEST MRI bimodal imaging of the intratumoral distribution of iodinated liposomes. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1579-1591.	2.0	24
35	Whole-tumor histogram analysis of apparent diffusion coefficient in differentiating intracranial solitary fibrous tumor/hemangiopericytoma from angiomatous meningioma. <i>European Journal of Radiology</i> , 2019, 112, 186-191.	2.6	28
36	Radiomics Signature on Computed Tomography Imaging: Association With Lymph Node Metastasis in Patients With Gastric Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 340.	2.8	57

#	ARTICLE	IF	CITATIONS
37	Association of Glioma Grading With Inflow-Based Vascular Space Occupancy MRI: A Preliminary Study at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1817-1823.	3.4	10
38	Ultralow-dose CT with knowledge-based iterative model reconstruction (IMR) in evaluation of pulmonary tuberculosis: comparison of radiation dose and image quality. <i>European Radiology</i> , 2019, 29, 5358-5366.	4.5	7
39	Clivalplate angle: a new diagnostic method for basilar invagination at magnetic resonance imaging. <i>European Radiology</i> , 2019, 29, 3450-3457.	4.5	7
40	Developed and validated a prognostic nomogram for recurrence-free survival after complete surgical resection of local primary gastrointestinal stromal tumors based on deep learning. <i>EBioMedicine</i> , 2019, 39, 272-279.	6.1	32
41	Contrast opacification difference of mural artery and the transluminal attenuation gradient on coronary computed tomography angiography for detection of systolic compression of myocardial bridge. <i>Surgical and Radiologic Anatomy</i> , 2018, 40, 757-767.	1.2	0
42	Radiation Dose Reduction by Using CT with Iterative Model Reconstruction in Patients with Pulmonary Invasive Fungal Infection. <i>Radiology</i> , 2018, 288, 285-292.	7.3	21
43	Use of T_1 relaxation time in rotating frame ($T_1\rho$) and apparent diffusion coefficient to estimate cerebral stroke evolution. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1247-1254.	3.4	9
44	Connectivity-based parcellation of the nucleus accumbens into core and shell portions for stereotactic target localization and alterations in each NA/c subdivision in mTLE patients. <i>Human Brain Mapping</i> , 2018, 39, 1232-1245.	3.6	12
45	Gd-EOB-DTPA-enhanced T_1 imaging vs diffusion metrics for assessment liver inflammation and early stage fibrosis of nonalcoholic steatohepatitis in rabbits. <i>Magnetic Resonance Imaging</i> , 2018, 48, 34-41.	1.8	18
46	Diagnostic value of six MRI features for central neurocytoma. <i>European Radiology</i> , 2018, 28, 4306-4313.	4.5	9
47	Influence of tube potential on quantitative coronary plaque analyses by low radiation dose computed tomography: a phantom study. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1315-1322.	1.5	4
48	Imaging manifestations of sepsis-associated encephalopathy. <i>International Journal of Imaging Systems and Technology</i> , 2018, 28, 196-206.	4.1	0
49	Cortical thickness reductions associate with abnormal resting-state functional connectivity in non-neuropsychiatric systemic lupus erythematosus. <i>Brain Imaging and Behavior</i> , 2018, 12, 674-684.	2.1	18
50	Brain white matter structural networks in patients with non-neuropsychiatric systemic lupus erythematosus. <i>Brain Imaging and Behavior</i> , 2018, 12, 142-155.	2.1	18
51	Glucose functionalized carbon quantum dot containing organic radical for optical/MR dual-modality bioimaging. <i>Materials Science and Engineering C</i> , 2018, 82, 190-196.	7.3	30
52	Detecting GPC3-Expressing Hepatocellular Carcinoma with L5 Peptide-Guided Pretargeting Approach: In Vitro and In Vivo MR Imaging Experiments. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-11.	0.8	11
53	Radiomics signature of computed tomography imaging for prediction of survival and chemotherapeutic benefits in gastric cancer. <i>EBioMedicine</i> , 2018, 36, 171-182.	6.1	140
54	Preoperative histogram analysis of intravoxel incoherent motion (IVIM) for predicting microvascular invasion in patients with single hepatocellular carcinoma. <i>European Journal of Radiology</i> , 2018, 105, 65-71.	2.6	46

#	ARTICLE	IF	CITATIONS
55	A radiomics nomogram for preoperative prediction of microvascular invasion risk in hepatitis B virus-related hepatocellular carcinoma. <i>Diagnostic and Interventional Radiology</i> , 2018, 24, 121-127.	1.5	142
56	Non-invasive monitoring of <i>in vivo</i> hydrogel degradation and cartilage regeneration by multiparametric MR imaging. <i>Theranostics</i> , 2018, 8, 1146-1158.	10.0	75
57	Multifunctional NIR-responsive poly(vinylpyrrolidone)-Cu-Sb-S nanotheranostic agent for photoacoustic imaging and photothermal/photodynamic therapy. <i>Acta Biomaterialia</i> , 2018, 74, 334-343.	8.3	34
58	Use of intravoxel incoherent motion diffusion-weighted MR imaging for assessment of treatment response to invasive fungal infection in the lung. <i>European Radiology</i> , 2017, 27, 212-221.	4.5	14
59	Alterations of white matter structural networks in patients with non-neuropsychiatric systemic lupus erythematosus identified by probabilistic tractography and connectivity-based analyses. <i>NeuroImage: Clinical</i> , 2017, 13, 349-360.	2.7	14
60	Mitochondrial targeted fluorescent probe with AIE characteristics for bioimaging. <i>Materials Science and Engineering C</i> , 2017, 77, 129-135.	7.3	15
61	A novel fluorescence probe based on triphenylamine Schiff base for bioimaging and responding to pH and Fe ³⁺ . <i>Materials Science and Engineering C</i> , 2017, 72, 551-557.	7.3	31
62	Clinical, radiological, pathological and prognostic aspects of intraventricular oligodendroglioma: comparison with central neurocytoma. <i>Journal of Neuro-Oncology</i> , 2017, 135, 57-65.	2.9	4
63	Conjugated Polymer Containing Organic Radical for Optical/MR Dual-Modality Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44316-44323.	8.0	18
64	Non-enhanced ¹²⁵ I-MR lymphography of the thoracic duct: improved visualization following ingestion of a high fat meal—initial experience. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 730-733.	1.2	10
65	Gastrin-releasing peptide receptor-targeted gadolinium oxide-based multifunctional nanoparticles for dual magnetic resonance/fluorescent molecular imaging of prostate cancer. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6787-6797.	6.7	14
66	Spatial Disassociation of Disrupted Functional Connectivity for the Default Mode Network in Patients with End-Stage Renal Disease. <i>PLoS ONE</i> , 2016, 11, e0161392.	2.5	13
67	Role of intratumoral flow void signs in the differential diagnosis of intracranial solitary fibrous tumors and meningiomas. <i>Journal of Neuroradiology</i> , 2016, 43, 325-330.	1.1	15
68	MRI-based estimation of liver function by intravoxel incoherent motion diffusion-weighted imaging. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1220-1225.	1.8	19
69	Growth patterns of craniopharyngiomas: clinical analysis of 226 patients. <i>Journal of Neurosurgery: Pediatrics</i> , 2016, 17, 418-433.	1.3	51
70	A highly selective and sensitive fluorescent chemosensor for detection of CN ⁺ , SO ₃ ²⁻ and Fe ³⁺ based on aggregation-induced emission. <i>Journal of Materials Chemistry C</i> , 2016, 4, 383-390.	5.5	93
71	Organic Radical Contrast Agents Based on Polyacetylenes Containing 2,2,6,6-tetramethylpiperidine 1-oxyl (TEMPO): Targeted Magnetic Resonance (MR)/Optical Bimodal Imaging of Folate Receptor Expressing HeLa Tumors in Vitro and in Vivo. <i>Macromolecular Bioscience</i> , 2015, 15, 788-798.	4.1	28
72	Lung MRI of invasive fungal infection at 3 Tesla: evaluation of five different pulse sequences and comparison with multidetector computed tomography (MDCT). <i>European Radiology</i> , 2015, 25, 550-557.	4.5	25

#	ARTICLE	IF	CITATIONS
73	Altered brain spontaneous activity and connectivity network in irritable bowel syndrome patients: A resting-state fMRI study. <i>Clinical Neurophysiology</i> , 2015, 126, 1190-1197.	1.5	49
74	Denosing MR Images Using Non-Local Means Filter with Combined Patch and Pixel Similarity. <i>PLoS ONE</i> , 2014, 9, e100240.	2.5	29
75	Optimal region-of-interest MRI R2* measurements for the assessment of hepatic iron content in thalassaemia major. <i>Magnetic Resonance Imaging</i> , 2014, 32, 647-653.	1.8	3
76	Fetus MRI at 7 T: B_1 Shimming Strategy and SAR Safety Implications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013, 61, 2146-2152.	4.6	13