Kyunghwa Han

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12149331/publications.pdf

Version: 2024-02-01

79 papers	2,808 citations	257450 24 h-index	197818 49 g-index
79 all docs	79 docs citations	79 times ranked	4365 citing authors

#	Article	IF	Citations
1	Mammographic Surveillance After Breast-Conserving Therapy: Impact of Digital Breast Tomosynthesis and Artificial Intelligenceâ€“Based Computer-Aided Detection. American Journal of Roentgenology, 2022, 218, 42-51.	2.2	6
2	Artificial Intelligence for Breast Cancer Screening in Mammography (AI-STREAM): A Prospective Multicenter Study Design in Korea Using AI-Based CADe/x. Journal of Breast Cancer, 2022, 25, 57.	1.9	6
3	Quality assessment of radiomics research in cardiac CT: a systematic review. European Radiology, 2022, , 1.	4.5	6
4	US, Mammography, and Histopathologic Evaluation to Identify Low Nuclear Grade Ductal Carcinoma in Situ. Radiology, 2022, 303, 276-284.	7.3	2
5	Quality of science and reporting for radiomics in cardiac magnetic resonance imaging studies: a systematic review. European Radiology, 2022, 32, 4361-4373.	4.5	7
6	Restricted Mean Survival Time for Survival Analysis: A Quick Guide for Clinical Researchers. Korean Journal of Radiology, 2022, 23, 495.	3.4	19
7	Depiction of breast cancers on digital mammograms by artificial intelligence-based computer-assisted diagnosis according to cancer characteristics. European Radiology, 2022, 32, 7400-7408.	4.5	10
8	CT-based radiomics signature for differentiation between cardiac tumors and thrombi: a retrospective, multicenter study. Scientific Reports, 2022, 12, 8173.	3.3	4
9	How to Clearly and Accurately Report Odds Ratio and Hazard Ratio in Diagnostic Research Studies?. Korean Journal of Radiology, 2022, 23, 777.	3.4	4
10	Adding radiomics to the 2021 WHO updates may improve prognostic prediction for current IDH-wildtype histological lower-grade gliomas with known EGFR amplification and TERT promoter mutation status. European Radiology, 2022, 32, 8089-8098.	4.5	4
11	Subcentimeter hepatocellular carcinoma in treatment-naÃ¯ve patients: noninvasive diagnostic criteria and tumor staging on gadoxetic acidâ€“enhanced MRI. European Radiology, 2021, 31, 2321-2331.	4.5	6
12	Differentiation of left atrial appendage thrombus from circulatory stasis using cardiac CT radiomics in patients with valvular heart disease. European Radiology, 2021, 31, 1130-1139.	4.5	18
13	Performance of Prediction Models for Diagnosing Severe Aortic Stenosis Based on Aortic Valve Calcium on Cardiac Computed Tomography: Incorporation of Radiomics and Machine Learning. Korean Journal of Radiology, 2021, 22, 334.	3.4	13
14	Quantitative MRI Assessment of Pancreatic Steatosis Using Proton Density Fat Fraction in Pediatric Obesity. Korean Journal of Radiology, 2021, 22, 1886.	3.4	7
15	Mistakes to Avoid for Accurate and Transparent Reporting of Survival Analysis in Imaging Research. Korean Journal of Radiology, 2021, 22, 1587.	3.4	9
16	Implications of US radiomics signature for predicting malignancy in thyroid nodules with indeterminate cytology. European Radiology, 2021, 31, 5059-5067.	4.5	16
17	Predictive factors of recurrence after resection of subsolid clinical stage IA lung adenocarcinoma. Thoracic Cancer, 2021, 12, 941-948.	1.9	2
18	Application of artificial intelligenceâ€“based computer-assisted diagnosis on synthetic mammograms from breast tomosynthesis: comparison with digital mammograms. European Radiology, 2021, 31, 6929-6937.	4.5	9

#	Article	IF	Citations
19	Radiomics analysis of contrast-enhanced CT for classification of hepatic focal lesions in colorectal cancer patients: its limitations compared to radiologists. European Radiology, 2021, 31, 8786-8796.	4.5	5
20	Ultrahigh-field cardiovascular magnetic resonance T1 and T2 mapping for the assessment of anthracycline-induced cardiotoxicity in rat models: validation against histopathologic changes. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 76.	3.3	10
21	Identification of magnetic resonance imaging features for the prediction of molecular profiles of newly diagnosed glioblastoma. Journal of Neuro-Oncology, 2021, 154, 83-92.	2.9	8
22	Effect of different driver power amplitudes on liver stiffness measurement in pediatric liver MR elastography. Abdominal Radiology, 2021, 46, 4729-4735.	2.1	2
23	Radiomics machine learning study with a small sample size: Single random training-test set split may lead to unreliable results. PLoS ONE, 2021, 16, e0256152.	2.5	32
24	Histogram-derived modified thresholds for coronary artery calcium scoring with lower tube voltage. Scientific Reports, 2021, 11, 17450.	3.3	2
25	Diagnostic Performance of Deep Learning-Based Lesion Detection Algorithm in CT for Detecting Hepatic Metastasis from Colorectal Cancer. Korean Journal of Radiology, 2021, 22, 912.	3.4	23
26	Radiomics-based prediction of multiple gene alteration incorporating mutual genetic information in glioblastoma and grade 4 astrocytoma, IDH-mutant. Journal of Neuro-Oncology, 2021, 155, 267-276.	2.9	10
27	Hook-wire localization versus lipiodol localization for patients with pulmonary lesions having ground-glass opacity. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1571-1579.e2.	0.8	19
28	Evaluation of treatment response in hepatocellular carcinoma in the explanted liver with Liver Imaging Reporting and Data System version 2017. European Radiology, 2020, 30, 261-271.	4.5	47
29	Deep Convolutional Neural Networkâ€“based Software Improves Radiologist Detection of Malignant Lung Nodules on Chest Radiographs. Radiology, 2020, 294, 199-209.	7.3	164
30	Radiomics features of hippocampal regions in magnetic resonance imaging can differentiate medial temporal lobe epilepsy patients from healthy controls. Scientific Reports, 2020, 10, 19567.	3.3	18
31	Robust performance of deep learning for distinguishing glioblastoma from single brain metastasis using radiomic features: model development and validation. Scientific Reports, 2020, 10, 12110.	3.3	62
32	Radiomics risk score may be a potential imaging biomarker for predicting survival in isocitrate dehydrogenase wild-type lower-grade gliomas. European Radiology, 2020, 30, 6464-6474.	4.5	8
33	Diffusion and perfusion MRI may predict EGFR amplification and the TERT promoter mutation status of IDH-wildtype lower-grade gliomas. European Radiology, 2020, 30, 6475-6484.	4.5	29
34	Comparing recall rates following implementation of digital breast tomosynthesis to synthetic 2D images and digital mammography on women with breast-conserving surgery. European Radiology, 2020, 30, 6072-6079.	4.5	10
35	Changes in cancer detection and false-positive recall in mammography using artificial intelligence: a retrospective, multireader study. The Lancet Digital Health, 2020, 2, e138-e148.	12.3	240
36	Radiomics in predicting mutation status for thyroid cancer: A preliminary study using radiomics features for predicting BRAFV600E mutations in papillary thyroid carcinoma. PLoS ONE, 2020, 15, e0228968.	2.5	23

#	Article	IF	Citations
37	MR image phenotypes may add prognostic value to clinical features in IDH wild-type lower-grade gliomas. European Radiology, 2020, 30, 3035-3045.	4.5	6
38	Radiomics signature for prediction of lateral lymph node metastasis in conventional papillary thyroid carcinoma. PLoS ONE, 2020, 15, e0227315.	2.5	37
39	Magnetic resonance imagingâ€“based 3-dimensional fractal dimension and lacunarity analyses may predict the meningioma grade. European Radiology, 2020, 30, 4615-4622.	4.5	19
40	Utility of CT radiomics for prediction of PDâ€Ł1 expression in advanced lung adenocarcinomas. Thoracic Cancer, 2020, 11, 993-1004.	1.9	56
41	Prognostic Value of Dual-Energy CT-Based Iodine Quantification versus Conventional CT in Acute Pulmonary Embolism: A Propensity-Match Analysis. Korean Journal of Radiology, 2020, 21, 1095.	3.4	9
42	Optimal criteria for hepatocellular carcinoma diagnosis using CT in patients undergoing liver transplantation. European Radiology, 2019, 29, 1022-1031.	4.5	9
43	Contrast-enhanced US with Perfluorobutane for Hepatocellular Carcinoma Surveillance: A Multicenter Diagnostic Trial (SCAN). Radiology, 2019, 292, 638-646.	7.3	30
44	Outcomes of Ductal Carcinoma In Situ According to Detection Modality: A Multicenter Study Comparing Recurrence Between Mammography and Breast US. Ultrasound in Medicine and Biology, 2019, 45, 2623-2633.	1.5	3
45	Optimal lexicon of gadoxetic acid-enhanced magnetic resonance imaging for the diagnosis of hepatocellular carcinoma modified from LI-RADS. Abdominal Radiology, 2019, 44, 3078-3088.	2.1	20
46	Evaluation of Early Response to Treatment of Hepatocellular Carcinoma with Yttrium-90 Radioembolization Using Quantitative Computed Tomography Analysis. Korean Journal of Radiology, 2019, 20, 449.	3.4	8
47	Association Between Radiomics Signature and Disease-Free Survival in Conventional Papillary Thyroid Carcinoma. Scientific Reports, 2019, 9, 4501.	3.3	30
48	Diagnostic Value of Advanced ImagingÂModalities for the DetectionÂandÂDifferentiation of Prosthetic ValveÂObstruction. JACC: Cardiovascular Imaging, 2019, 12, 2182-2192.	5.3	17
49	Performance of deep learning-based algorithm for detection of ileocolic intussusception on abdominal radiographs of young children. Scientific Reports, 2019, 9, 19420.	3.3	11
50	Diagnosis of Thyroid Nodules: Performance of a Deep Learning Convolutional Neural Network Model vs. Radiologists. Scientific Reports, 2019, 9, 17843.	3.3	57
51	Value of Computed Tomography Radiomic Features for Differentiation of Periprosthetic Mass in Patients With Suspected Prosthetic Valve Obstruction. Circulation: Cardiovascular Imaging, 2019, 12, e009496.	2.6	21
52	The added prognostic value of radiological phenotype combined with clinical features and molecular subtype in anaplastic gliomas. Journal of Neuro-Oncology, 2019, 142, 129-138.	2.9	9
53	Radiomics and machine learning may accurately predict the grade and histological subtype in meningiomas using conventional and diffusion tensor imaging. European Radiology, 2019, 29, 4068-4076.	4.5	132
54	Feasibility of Spin-Echo Echo-Planar Imaging MR Elastography in Livers of Children and Young Adults. Investigative Magnetic Resonance Imaging, 2019, 23, 251.	0.4	2

#	Article	IF	Citations
55	Myocardial Extracellular Volume Fraction and Change in Hematocrit Level: MR Evaluation by Using T1 Mapping in an Experimental Model of Anemia. Radiology, 2018, 288, 93-98.	7.3	13
56	LOGIS (LOcalization of Ground-glass-opacity and pulmonary lesions for mInimal Surgery) registry: Design and Rationale. Contemporary Clinical Trials Communications, 2018, 9, 60-63.	1.1	1
57	Methodologic Guide for Evaluating Clinical Performance and Effect of Artificial Intelligence Technology for Medical Diagnosis and Prediction. Radiology, 2018, 286, 800-809.	7.3	549
58	Amide proton transfer imaging for differentiation of benign and atypical meningiomas. European Radiology, 2018, 28, 331-339.	4.5	43
59	Morphologic analysis with computed tomography may help differentiate fat-poor angiomyolipoma from renal cell carcinoma: a retrospective study with 602 patients. Abdominal Radiology, 2018, 43, 647-654.	2.1	23
60	Adverse Prognostic CT Findings for Patients With Advanced Lung Adenocarcinoma Receiving First-Line Epidermal Growth Factor Receptorâ€“Tyrosine Kinase Inhibitor Therapy. American Journal of Roentgenology, 2018, 210, 43-51.	2.2	3
61	Extracellular contrast agent-enhanced MRI: 15-min delayed phase may improve the diagnostic performance for hepatocellular carcinoma in patients with chronic liver disease. European Radiology, 2018, 28, 1551-1559.	4.5	17
62	Non-inferior low-dose coronary computed tomography angiography image quality with knowledge-based iterative model reconstruction for overweight patients. PLoS ONE, 2018, 13, e0209243.	2.5	4
63	Radiomics of US texture features in differential diagnosis between triple-negative breast cancer and fibroadenoma. Scientific Reports, 2018, 8, 13546.	3.3	78
64	Magnetic Resonance Imaging for Colorectal Cancer Metastasis to the Liver: Comparative Effectiveness Research for the Choice of Contrast Agents. Cancer Research and Treatment, 2018, 50, 60-70.	3.0	8
65	Trends in statistical methods in articles published in Archives of Plastic Surgery between 2012 and 2017. Archives of Plastic Surgery, 2018, 45, 207-213.	0.9	3
66	MR Enterography Assessment of Bowel Inflammation Severity in Crohn Disease Using the MR Index of Activity Score: Modifying Roles of DWI and Effects of Contrast Phases. American Journal of Roentgenology, 2017, 208, 1022-1029.	2.2	35
67	1.5â€“2â€‰cm tumor size was not associated with distant metastasis and mortality in small thyroid cancer: A population-based study. Scientific Reports, 2017, 7, 46298.	3.3	9
68	Contrast-enhanced US with Perfluorobutane(Sonazoid) used as a surveillance test for Hepatocellular Carcinoma (HCC) in Cirrhosis (SCAN): an exploratory cross-sectional study for a diagnostic trial. BMC Cancer, 2017, 17, 279.	2.6	13
69	The clinical significance of perivalvular pannus in prosthetic mitral valves: Can cardiac CT be helpful?. International Journal of Cardiology, 2017, 249, 344-348.	1.7	12
70	Diagnosis and Management of Small Thyroid Nodules: A Comparative Study with Six Guidelines for Thyroid Nodules. Radiology, 2017, 283, 560-569.	7.3	62
71	Added value of smooth hypointense rim in the hepatobiliary phase of gadoxetic acid-enhanced MRI in identifying tumour capsule and diagnosing hepatocellular carcinoma. European Radiology, 2017, 27, 2610-2618.	4.5	41
72	Comparative Effectiveness and Safety of Preoperative Lung Localization for Pulmonary Nodules. Chest, 2017, 151, 316-328.	0.8	211

#	Article	IF	Citations
73	Diffusion-Weighted MR Enterography to Monitor Bowel Inflammation after Medical Therapy in Crohn's Disease: A Prospective Longitudinal Study. Korean Journal of Radiology, 2017, 18, 162.	3.4	33
74	Selection and Reporting of Statistical Methods to Assess Reliability of a Diagnostic Test: Conformity to Recommended Methods in a Peer-Reviewed Journal. Korean Journal of Radiology, 2017, 18, 888.	3.4	26
75	Research Designs and Statistical Methods Trends in the Annals of Rehabilitation Medicine. Annals of Rehabilitation Medicine, 2017, 41, 475.	1.6	5
76	How to Develop, Validate, and Compare Clinical Prediction Models Involving Radiological Parameters: Study Design and Statistical Methods. Korean Journal of Radiology, 2016, 17, 339.	3.4	127
77	Coronary Computed Tomographic Angiography at 80 kVp and Knowledge-Based Iterative Model Reconstruction Is Non-Inferior to that at 100 kVp with Iterative Reconstruction. PLoS ONE, 2016, 11, e0163410.	2.5	7
78	Assessment of Mitral Paravalvular Leakage After Mitral Valve Replacement Using Cardiac Computed Tomography. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	29
79	MR Enterography for the Evaluation of Small-Bowel Inflammation in Crohn Disease by Using Diffusion-weighted Imaging without Intravenous Contrast Material: A Prospective Noninferiority Study. Radiology, 2016, 278, 762-772.	7.3	120