

Kyunghwa Han

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,808
citations

257450

24
h-index

197818

49
g-index

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all docs

79
docs citations

79
times ranked

4365
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodologic Guide for Evaluating Clinical Performance and Effect of Artificial Intelligence Technology for Medical Diagnosis and Prediction. <i>Radiology</i> , 2018, 286, 800-809.	7.3	549
2	Changes in cancer detection and false-positive recall in mammography using artificial intelligence: a retrospective, multireader study. <i>The Lancet Digital Health</i> , 2020, 2, e138-e148.	12.3	240
3	Comparative Effectiveness and Safety of Preoperative Lung Localization for Pulmonary Nodules. <i>Chest</i> , 2017, 151, 316-328.	0.8	211
4	Deep Convolutional Neural Network-based Software Improves Radiologist Detection of Malignant Lung Nodules on Chest Radiographs. <i>Radiology</i> , 2020, 294, 199-209.	7.3	164
5	Radiomics and machine learning may accurately predict the grade and histological subtype in meningiomas using conventional and diffusion tensor imaging. <i>European Radiology</i> , 2019, 29, 4068-4076.	4.5	132
6	How to Develop, Validate, and Compare Clinical Prediction Models Involving Radiological Parameters: Study Design and Statistical Methods. <i>Korean Journal of Radiology</i> , 2016, 17, 339.	3.4	127
7	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. <i>Radiology</i> , 2016, 278, 762-772.	7.3	120
8	Radiomics of US texture features in differential diagnosis between triple-negative breast cancer and fibroadenoma. <i>Scientific Reports</i> , 2018, 8, 13546.	3.3	78
9	Diagnosis and Management of Small Thyroid Nodules: A Comparative Study with Six Guidelines for Thyroid Nodules. <i>Radiology</i> , 2017, 283, 560-569.	7.3	62
10	Robust performance of deep learning for distinguishing glioblastoma from single brain metastasis using radiomic features: model development and validation. <i>Scientific Reports</i> , 2020, 10, 12110.	3.3	62
11	Diagnosis of Thyroid Nodules: Performance of a Deep Learning Convolutional Neural Network Model vs. Radiologists. <i>Scientific Reports</i> , 2019, 9, 17843.	3.3	57
12	Utility of CT radiomics for prediction of PD-L1 expression in advanced lung adenocarcinomas. <i>Thoracic Cancer</i> , 2020, 11, 993-1004.	1.9	56
13	Evaluation of treatment response in hepatocellular carcinoma in the explanted liver with Liver Imaging Reporting and Data System version 2017. <i>European Radiology</i> , 2020, 30, 261-271.	4.5	47
14	Amide proton transfer imaging for differentiation of benign and atypical meningiomas. <i>European Radiology</i> , 2018, 28, 331-339.	4.5	43
15	Added value of smooth hypointense rim in the hepatobiliary phase of gadoteric acid-enhanced MRI in identifying tumour capsule and diagnosing hepatocellular carcinoma. <i>European Radiology</i> , 2017, 27, 2610-2618.	4.5	41
16	Radiomics signature for prediction of lateral lymph node metastasis in conventional papillary thyroid carcinoma. <i>PLoS ONE</i> , 2020, 15, e0227315.	2.5	37
17	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. <i>American Journal of Roentgenology</i> , 2017, 208, 1022-1029.	2.2	35
18	Diffusion-Weighted MR Enterography to Monitor Bowel Inflammation after Medical Therapy in Crohn's Disease: A Prospective Longitudinal Study. <i>Korean Journal of Radiology</i> , 2017, 18, 162.	3.4	33

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19	Radiomics machine learning study with a small sample size: Single random training-test set split may lead to unreliable results. <i>PLoS ONE</i> , 2021, 16, e0256152.	2.5	32
20	Contrast-enhanced US with Perfluorobutane for Hepatocellular Carcinoma Surveillance: A Multicenter Diagnostic Trial (SCAN). <i>Radiology</i> , 2019, 292, 638-646.	7.3	30
21	Association Between Radiomics Signature and Disease-Free Survival in Conventional Papillary Thyroid Carcinoma. <i>Scientific Reports</i> , 2019, 9, 4501.	3.3	30
22	Assessment of Mitral Paravalvular Leakage After Mitral Valve Replacement Using Cardiac Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	29
23	Diffusion and perfusion MRI may predict EGFR amplification and the TERT promoter mutation status of IDH-wildtype lower-grade gliomas. <i>European Radiology</i> , 2020, 30, 6475-6484.	4.5	29
24	Selection and Reporting of Statistical Methods to Assess Reliability of a Diagnostic Test: Conformity to Recommended Methods in a Peer-Reviewed Journal. <i>Korean Journal of Radiology</i> , 2017, 18, 888.	3.4	26
25	Morphologic analysis with computed tomography may help differentiate fat-poor angiomyolipoma from renal cell carcinoma: a retrospective study with 602 patients. <i>Abdominal Radiology</i> , 2018, 43, 647-654.	2.1	23
26	Radiomics in predicting mutation status for thyroid cancer: A preliminary study using radiomics features for predicting BRAFV600E mutations in papillary thyroid carcinoma. <i>PLoS ONE</i> , 2020, 15, e0228968.	2.5	23
27	Diagnostic Performance of Deep Learning-Based Lesion Detection Algorithm in CT for Detecting Hepatic Metastasis from Colorectal Cancer. <i>Korean Journal of Radiology</i> , 2021, 22, 912.	3.4	23
28	Value of Computed Tomography Radiomic Features for Differentiation of Periprosthetic Mass in Patients With Suspected Prosthetic Valve Obstruction. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009496.	2.6	21
29	Optimal lexicon of gadoteric acid-enhanced magnetic resonance imaging for the diagnosis of hepatocellular carcinoma modified from LI-RADS. <i>Abdominal Radiology</i> , 2019, 44, 3078-3088.	2.1	20
30	Hook-wire localization versus lipiodol localization for patients with pulmonary lesions having ground-glass opacity. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1571-1579.e2.	0.8	19
31	Magnetic resonance imaging-based 3-dimensional fractal dimension and lacunarity analyses may predict the meningioma grade. <i>European Radiology</i> , 2020, 30, 4615-4622.	4.5	19
32	Restricted Mean Survival Time for Survival Analysis: A Quick Guide for Clinical Researchers. <i>Korean Journal of Radiology</i> , 2022, 23, 495.	3.4	19
33	Radiomics features of hippocampal regions in magnetic resonance imaging can differentiate medial temporal lobe epilepsy patients from healthy controls. <i>Scientific Reports</i> , 2020, 10, 19567.	3.3	18
34	Differentiation of left atrial appendage thrombus from circulatory stasis using cardiac CT radiomics in patients with valvular heart disease. <i>European Radiology</i> , 2021, 31, 1130-1139.	4.5	18
35	Extracellular contrast agent-enhanced MRI: 15-min delayed phase may improve the diagnostic performance for hepatocellular carcinoma in patients with chronic liver disease. <i>European Radiology</i> , 2018, 28, 1551-1559.	4.5	17
36	Diagnostic Value of Advanced Imaging Modalities for the Detection and Differentiation of Prosthetic Valve Obstruction. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2182-2192.	5.3	17

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37	Implications of US radiomics signature for predicting malignancy in thyroid nodules with indeterminate cytology. <i>European Radiology</i> , 2021, 31, 5059-5067.	4.5	16
38	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. <i>BMC Cancer</i> , 2017, 17, 279.	2.6	13
39	Myocardial Extracellular Volume Fraction and Change in Hematocrit Level: MR Evaluation by Using T1 Mapping in an Experimental Model of Anemia. <i>Radiology</i> , 2018, 288, 93-98.	7.3	13
40	Performance of Prediction Models for Diagnosing Severe Aortic Stenosis Based on Aortic Valve Calcium on Cardiac Computed Tomography: Incorporation of Radiomics and Machine Learning. <i>Korean Journal of Radiology</i> , 2021, 22, 334.	3.4	13
41	The clinical significance of perivalvular pannus in prosthetic mitral valves: Can cardiac CT be helpful?. <i>International Journal of Cardiology</i> , 2017, 249, 344-348.	1.7	12
42	Performance of deep learning-based algorithm for detection of ileocolic intussusception on abdominal radiographs of young children. <i>Scientific Reports</i> , 2019, 9, 19420.	3.3	11
43	Comparing recall rates following implementation of digital breast tomosynthesis to synthetic 2D images and digital mammography on women with breast-conserving surgery. <i>European Radiology</i> , 2020, 30, 6072-6079.	4.5	10
44	Ultrahigh-field cardiovascular magnetic resonance T1 and T2 mapping for the assessment of anthracycline-induced cardiotoxicity in rat models: validation against histopathologic changes. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 76.	3.3	10
45	Radiomics-based prediction of multiple gene alteration incorporating mutual genetic information in glioblastoma and grade 4 astrocytoma, IDH-mutant. <i>Journal of Neuro-Oncology</i> , 2021, 155, 267-276.	2.9	10
46	Depiction of breast cancers on digital mammograms by artificial intelligence-based computer-assisted diagnosis according to cancer characteristics. <i>European Radiology</i> , 2022, 32, 7400-7408.	4.5	10
47	1.5â€“2â€“cm tumor size was not associated with distant metastasis and mortality in small thyroid cancer: A population-based study. <i>Scientific Reports</i> , 2017, 7, 46298.	3.3	9
48	Optimal criteria for hepatocellular carcinoma diagnosis using CT in patients undergoing liver transplantation. <i>European Radiology</i> , 2019, 29, 1022-1031.	4.5	9
49	The added prognostic value of radiological phenotype combined with clinical features and molecular subtype in anaplastic gliomas. <i>Journal of Neuro-Oncology</i> , 2019, 142, 129-138.	2.9	9
50	Mistakes to Avoid for Accurate and Transparent Reporting of Survival Analysis in Imaging Research. <i>Korean Journal of Radiology</i> , 2021, 22, 1587.	3.4	9
51	Application of artificial intelligenceâ€“based computer-assisted diagnosis on synthetic mammograms from breast tomosynthesis: comparison with digital mammograms. <i>European Radiology</i> , 2021, 31, 6929-6937.	4.5	9
52	Prognostic Value of Dual-Energy CT-Based Iodine Quantification versus Conventional CT in Acute Pulmonary Embolism: A Propensity-Match Analysis. <i>Korean Journal of Radiology</i> , 2020, 21, 1095.	3.4	9
53	Evaluation of Early Response to Treatment of Hepatocellular Carcinoma with Yttrium-90 Radioembolization Using Quantitative Computed Tomography Analysis. <i>Korean Journal of Radiology</i> , 2019, 20, 449.	3.4	8
54	Radiomics risk score may be a potential imaging biomarker for predicting survival in isocitrate dehydrogenase wild-type lower-grade gliomas. <i>European Radiology</i> , 2020, 30, 6464-6474.	4.5	8

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55	Identification of magnetic resonance imaging features for the prediction of molecular profiles of newly diagnosed glioblastoma. <i>Journal of Neuro-Oncology</i> , 2021, 154, 83-92.	2.9	8
56	Magnetic Resonance Imaging for Colorectal Cancer Metastasis to the Liver: Comparative Effectiveness Research for the Choice of Contrast Agents. <i>Cancer Research and Treatment</i> , 2018, 50, 60-70.	3.0	8
57	Coronary Computed Tomographic Angiography at 80 kVp and Knowledge-Based Iterative Model Reconstruction Is Non-Inferior to that at 100 kVp with Iterative Reconstruction. <i>PLoS ONE</i> , 2016, 11, e0163410.	2.5	7
58	Quantitative MRI Assessment of Pancreatic Steatosis Using Proton Density Fat Fraction in Pediatric Obesity. <i>Korean Journal of Radiology</i> , 2021, 22, 1886.	3.4	7
59	Quality of science and reporting for radiomics in cardiac magnetic resonance imaging studies: a systematic review. <i>European Radiology</i> , 2022, 32, 4361-4373.	4.5	7
60	MR image phenotypes may add prognostic value to clinical features in IDH wild-type lower-grade gliomas. <i>European Radiology</i> , 2020, 30, 3035-3045.	4.5	6
61	Subcentimeter hepatocellular carcinoma in treatment-naïve patients: noninvasive diagnostic criteria and tumor staging on gadoteric acid-enhanced MRI. <i>European Radiology</i> , 2021, 31, 2321-2331.	4.5	6
62	Mammographic Surveillance After Breast-Conserving Therapy: Impact of Digital Breast Tomosynthesis and Artificial Intelligence-Based Computer-Aided Detection. <i>American Journal of Roentgenology</i> , 2022, 218, 42-51.	2.2	6
63	Artificial Intelligence for Breast Cancer Screening in Mammography (AI-STREAM): A Prospective Multicenter Study Design in Korea Using AI-Based CAde/x. <i>Journal of Breast Cancer</i> , 2022, 25, 57.	1.9	6
64	Quality assessment of radiomics research in cardiac CT: a systematic review. <i>European Radiology</i> , 2022, , 1.	4.5	6
65	Radiomics analysis of contrast-enhanced CT for classification of hepatic focal lesions in colorectal cancer patients: its limitations compared to radiologists. <i>European Radiology</i> , 2021, 31, 8786-8796.	4.5	5
66	Research Designs and Statistical Methods Trends in the Annals of Rehabilitation Medicine. <i>Annals of Rehabilitation Medicine</i> , 2017, 41, 475.	1.6	5
67	Non-inferior low-dose coronary computed tomography angiography image quality with knowledge-based iterative model reconstruction for overweight patients. <i>PLoS ONE</i> , 2018, 13, e0209243.	2.5	4
68	CT-based radiomics signature for differentiation between cardiac tumors and thrombi: a retrospective, multicenter study. <i>Scientific Reports</i> , 2022, 12, 8173.	3.3	4
69	How to Clearly and Accurately Report Odds Ratio and Hazard Ratio in Diagnostic Research Studies?. <i>Korean Journal of Radiology</i> , 2022, 23, 777.	3.4	4
70	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. <i>European Radiology</i> , 2022, 32, 8089-8098.	4.5	4
71	Adverse Prognostic CT Findings for Patients With Advanced Lung Adenocarcinoma Receiving First-Line Epidermal Growth Factor Receptor-Tyrosine Kinase Inhibitor Therapy. <i>American Journal of Roentgenology</i> , 2018, 210, 43-51.	2.2	3
72	Outcomes of Ductal Carcinoma In Situ According to Detection Modality: A Multicenter Study Comparing Recurrence Between Mammography and Breast US. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2623-2633.	1.5	3

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73	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
74	Predictive factors of recurrence after resection of subsolid clinical stage IA lung adenocarcinoma. Thoracic Cancer, 2021, 12, 941-948.	1.9	2
75	Effect of different driver power amplitudes on liver stiffness measurement in pediatric liver MR elastography. Abdominal Radiology, 2021, 46, 4729-4735.	2.1	2
76	Histogram-derived modified thresholds for coronary artery calcium scoring with lower tube voltage. Scientific Reports, 2021, 11, 17450.	3.3	2
77	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
78	US, Mammography, and Histopathologic Evaluation to Identify Low Nuclear Grade Ductal Carcinoma in Situ. Radiology, 2022, 303, 276-284.	7.3	2
79	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