Kyung Hwa Han

List of Publications by Year
in descending order

232 papers	6,670 citations	101543 36 h-index	88630 70 g-index
240 all docs	240 docs citations	240 times ranked	9319 citing authors

#	Article	IF	Citations
1	Thyroid Imaging Reporting and Data System for US Features of Nodules: A Step in Establishing Better Stratification of Cancer Risk. Radiology, 2011, 260, 892-899.	7.3	874
2	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
3	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
4	Comparative Effectiveness and Safety of Preoperative Lung Localization for Pulmonary Nodules. Chest, 2017, 151, 316-328.	0.8	211
5	Deep Convolutional Neural Network–based Software Improves Radiologist Detection of Malignant Lung Nodules on Chest Radiographs. Radiology, 2020, 294, 199-209.	7.3	164
6	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
7	Prostate Cancer: PI-RADS Version 2 Helps Preoperatively Predict Clinically Significant Cancers. Radiology, 2016, 280, 108-116.	7.3	128
8	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
9	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
10	Prediction of <i>IDH1</i>-Mutation and 1p/19q-Codeletion Status Using Preoperative MR Imaging Phenotypes in Lower Grade Gliomas. American Journal of Neuroradiology, 2018, 39, 37-42.	2.4	111
11	Shear wave elastography of thyroid nodules for the prediction of malignancy in a large scale study. European Journal of Radiology, 2015, 84, 407-412.	2.6	105
12	Age-related changes in liver, kidney, and spleen stiffness in healthy children measured with acoustic radiation force impulse imaging. European Journal of Radiology, 2013, 82, e290-e294.	2.6	96
13	Preoperative Prediction of Central Lymph Node Metastasis in Thyroid Papillary Microcarcinoma Using Clinicopathologic and Sonographic Features. World Journal of Surgery, 2013, 37, 385-391.	1.6	95
14	Diagnostic value of commercially available shear-wave elastography for breast cancers: integration into BI-RADS classification with subcategories of category 4. European Radiology, 2013, 23, 2695-2704.	4.5	86
15	Effect of fruits and vegetables on metabolic syndrome: a systematic review and meta-analysis of randomized controlled trials. International Journal of Food Sciences and Nutrition, 2015, 66, 416-425.	2.8	79
16	Radiomics of US texture features in differential diagnosis between triple-negative breast cancer and fibroadenoma. Scientific Reports, 2018, 8, 13546.	3.3	78
17	Factors affecting inadequate sampling of ultrasound-guided fine-needle aspiration biopsy of thyroid nodules. Clinical Endocrinology, 2011, 74, 776-782.	2.4	76
18	Deep convolutional neural network for the diagnosis of thyroid nodules on ultrasound. Head and Neck, 2019, 41, 885-891.	2.0	75

#	Article	IF	Citations
19	Applying Data-driven Imaging Biomarker in Mammography for Breast Cancer Screening: Preliminary Study. Scientific Reports, 2018, 8, 2762.	3.3	65
20	Diagnosis and Management of Small Thyroid Nodules: A Comparative Study with Six Guidelines for Thyroid Nodules. Radiology, 2017, 283, 560-569.	7.3	62
21	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
22	Diagnosis of Thyroid Nodules: Performance of a Deep Learning Convolutional Neural Network Model vs. Radiologists. Scientific Reports, 2019, 9, 17843.	3.3	57
23	Whole-Tumor Histogram and Texture Analyses of DTI for Evaluation of *IDH1*-Mutation and 1p/19q-Codeletion Status in World Health Organization Grade II Gliomas. American Journal of Neuroradiology, 2018, 39, 693-698.	2.4	56
24	Utility of CT radiomics for prediction of PD€L1 expression in advanced lung adenocarcinomas. Thoracic Cancer, 2020, 11, 993-1004.	1.9	56
25	Comparison of mammographic density estimation by Volpara software with radiologists' visual assessment: analysis of clinical€"radiologic factors affecting discrepancy between them. Acta Radiologica, 2015, 56, 1061-1068.	1.1	54
26	Thyroid Nodules with Benign Findings at Cytologic Examination: Results of Long-term Follow-up with US. Radiology, 2014, 271, 272-281.	7.3	51
27	HR-MAS MR Spectroscopy of Breast Cancer Tissue Obtained with Core Needle Biopsy: Correlation with Prognostic Factors. PLoS ONE, 2012, 7, e51712.	2.5	50
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	Contribution of Computed Tomography to Ultrasound in Predicting Lateral Lymph Node Metastasis in Patients with Papillary Thyroid Carcinoma. Annals of Surgical Oncology, 2011, 18, 1734-1741.	1.5	46
30	Amide proton transfer imaging might predict survival and IDH mutation status in high-grade glioma. European Radiology, 2019, 29, 6643-6652.	4.5	45
31	Contrast-enhanced T1 mapping-based extracellular volume fraction independently predicts clinical outcome in patients with non-ischemic dilated cardiomyopathy: a prospective cohort study. European Radiology, 2017, 27, 3924-3933.	4.5	44
32	Amide proton transfer imaging for differentiation of benign and atypical meningiomas. European Radiology, 2018, 28, 331-339.	4.5	43
33	Diagnostic Role of Conventional Ultrasonography and Shearwave Elastography in Asymptomatic Patients with Diffuse Thyroid Disease: Initial Experience with 57 Patients. Yonsei Medical Journal, 2014, 55, 247.	2.2	42
34	Early Detection and Serial Monitoring of Anthracycline-Induced Cardiotoxicity Using T1-mapping Cardiac Magnetic Resonance Imaging: An Animal Study. Scientific Reports, 2017, 7, 2663.	3.3	42
35	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
36	Feasibility of 3D navigator€triggered magnetic resonance cholangiopancreatography with combined parallel imaging and compressed sensing reconstruction at 3T. Journal of Magnetic Resonance Imaging, 2017, 46, 1289-1297.	3.4	38

#	Article	IF	Citations
37	Utility of Dual-Energy CT-based Monochromatic Imaging in the Assessment of Myocardial Delayed Enhancement in Patients with Cardiomyopathy. Radiology, 2018, 287, 442-451.	7.3	37
38	Radiomics signature for prediction of lateral lymph node metastasis in conventional papillary thyroid carcinoma. PLoS ONE, 2020, 15, e0227315.	2.5	37
39	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
40	MRI Features May Predict Molecular Features of Glioblastoma in <i>Isocitrate Dehydrogenase</i> Wild-Type Lower-Grade Gliomas. American Journal of Neuroradiology, 2021, 42, 448-456.	2.4	34
41	Standardized uptake value of 18F-fluorodeoxyglucose positron emission tomography for prediction of tumor recurrence in breast cancer beyond tumor burden. Breast Cancer Research, 2014, 16, 502.	5.0	33
42	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
43	Robust performance of deep learning for automatic detection and segmentation of brain metastases using three-dimensional black-blood and three-dimensional gradient echo imaging. European Radiology, 2021, 31, 6686-6695.	4.5	32
44	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
45	Use of Imaging to Predict Complete Response of Colorectal Liver Metastases after Chemotherapy: MR Imaging versus CT Imaging. Radiology, 2017, 284, 423-431.	7.3	31
46	Risk Stratification of Thyroid Nodules With Atypia of Undetermined Significance/Follicular Lesion of Undetermined Significance (AUS/FLUS) Cytology Using Ultrasonography Patterns Defined by the 2015 ATA Guidelines. Annals of Otology, Rhinology and Laryngology, 2017, 126, 625-633.	1.1	30
47	Contrast-enhanced US with Perfluorobutane for Hepatocellular Carcinoma Surveillance: A Multicenter Diagnostic Trial (SCAN). Radiology, 2019, 292, 638-646.	7.3	30
48	Association Between Radiomics Signature and Disease-Free Survival in Conventional Papillary Thyroid Carcinoma. Scientific Reports, 2019, 9, 4501.	3.3	30
49	Diagnosis of thyroid nodules on ultrasonography by a deep convolutional neural network. Scientific Reports, 2020, 10, 15245.	3.3	30
50	Assessment of Mitral Paravalvular Leakage After Mitral Valve Replacement Using Cardiac Computed Tomography. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	29
51	Gadolinium deposition in the brain: association with various GBCAs using a generalized additive model. European Radiology, 2017, 27, 3353-3361.	4.5	29
52	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
53	Prevalence of abnormal cardiovascular magnetic resonance findings in recovered patients from COVID-19: a systematic review and meta-analysis. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 100.	3.3	29
54	Relationship between Lower Dose and Injection Speed of Iodinated Contrast Material for CT and Acute Hypersensitivity Reactions: An Observational Study. Radiology, 2019, 293, 565-572.	7.3	27

#	ARTICLE	IF	CITATIONS
55	Intra-observer Reproducibility and Diagnostic Performance of Breast Shear-Wave Elastography in Asian Women. Ultrasound in Medicine and Biology, 2014, 40, 1058-1064.	1.5	26
56	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
57	Utility of Thyroglobulin Measurements in Fine-Needle Aspirates of Space Occupying Lesions in the Thyroid Bed After Thyroid Cancer Operations. Thyroid, 2013, 23, 280-288.	4.5	25
58	Volume-based quantification using dual-energy computed tomography in the differentiation of thymic epithelial tumours: an initial experience. European Radiology, 2017, 27, 1992-2001.	4.5	25
59	Ischemic Stroke: Measurement of Intracranial Artery Calcifications Can Improve Prediction of Asymptomatic Coronary Artery Disease. Radiology, 2013, 268, 842-849.	7.3	24
60	The feasibility of sub-millisievert coronary CT angiography with low tube voltage, prospective ECG gating, and a knowledge-based iterative model reconstruction algorithm. International Journal of Cardiovascular Imaging, 2015, 31, 197-203.	1.5	23
61	Altered intrinsic brain activity after chemotherapy in patients with gastric cancer: A preliminary study. European Radiology, 2017, 27, 2679-2688.	4.5	23
62	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
63	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
64	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
65	Proper Indication of BRAFV600E Mutation Testing in Fine-Needle Aspirates of Thyroid Nodules. PLoS ONE, 2013, 8, e64505.	2.5	23
66	Effects of constraint‐induced movement therapy on neurogenesis and functional recovery after early hypoxic‐ischemic injury in mice. Developmental Medicine and Child Neurology, 2011, 53, 327-333.	2.1	22
67	Can Ultrasound Be as a Surrogate Marker for Diagnosing a Papillary Thyroid Cancer? Comparison with BRAF Mutation Analysis. Yonsei Medical Journal, 2014, 55, 871.	2.2	22
68	T2-weighted signal intensity-selected volumetry for prediction of pathological complete response after preoperative chemoradiotherapy in locally advanced rectal cancer. European Radiology, 2018, 28, 5231-5240.	4.5	22
69	Machine Learning Based Radiomic HPV Phenotyping of Oropharyngeal SCC: A Feasibility Study Using MRI. Laryngoscope, 2021, 131, E851-E856.	2.0	22
70	Can increased tumoral vascularity be a quantitative predicting factor of lymph node metastasis in papillary thyroid microcarcinoma?. Endocrine, 2014, 47, 273-282.	2.3	21
71	Characterizing amide proton transfer imaging in haemorrhage brain lesions using 3T MRI. European Radiology, 2017, 27, 1577-1584.	4.5	21
72	Acute Pulmonary Embolism: Retrospective Cohort Study of the Predictive Value of Perfusion Defect Volume Measured With Dual-Energy CT. American Journal of Roentgenology, 2017, 209, 1015-1022.	2.2	21

#	Article	IF	Citations
73	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
74	Three-dimensional radiomics of triple-negative breast cancer: Prediction of systemic recurrence. Scientific Reports, 2020, 10, 2976.	3.3	21
75	Diffusion tensor and postcontrast T1-weighted imaging radiomics to differentiate the epidermal growth factor receptor mutation status of brain metastases from non-small cell lung cancer. Neuroradiology, 2021, 63, 343-352.	2.2	21
76	Application of machine learning to ultrasound images to differentiate follicular neoplasms of the thyroid gland. Ultrasonography, 2020, 39, 257-265.	2.3	21
77	Interobserver variability of aneurysm morphology: discrimination of the daughter sac. Journal of NeuroInterventional Surgery, 2016, 8, 38-41.	3.3	20
78	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
79	A radiomics-based model for predicting prognosis of locally advanced gastric cancer in the preoperative setting. Scientific Reports, 2021, 11, 1879.	3.3	20
80	The feasibility of CT lung volume as a surrogate marker of donor–recipient size matching in lung transplantation. Medicine (United States), 2016, 95, e3957.	1.0	19
81	Ultrasound texture analysis: Association with lymph node metastasis of papillary thyroid microcarcinoma. PLoS ONE, 2017, 12, e0176103.	2.5	19
82	Comparison Between Perfusion- and Collateral-Based Triage for Endovascular Thrombectomy in a Late Time Window. Stroke, 2019, 50, 3465-3470.	2.0	19
83	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
84	Magnetic resonance imaging–based 3-dimensional fractal dimension and lacunarity analyses may predict the meningioma grade. European Radiology, 2020, 30, 4615-4622.	4.5	19
85	Cortical Thickness from MRI to Predict Conversion from Mild Cognitive Impairment to Dementia in Parkinson Disease: A Machine Learning–based Model. Radiology, 2021, 300, 390-399.	7.3	19
86	Cardiac CT for Measurement of Right Ventricular Volume and Function in Comparison with Cardiac MRI: A Meta-Analysis. Korean Journal of Radiology, 2020, 21, 450.	3.4	19
87	Restricted Mean Survival Time for Survival Analysis: A Quick Guide for Clinical Researchers. Korean Journal of Radiology, 2022, 23, 495.	3.4	19
88	[18F]-Fluorodeoxyglucose Positron Emission Tomography Can Contribute to Discriminate Patients with Poor Prognosis in Hormone Receptor-Positive Breast Cancer. PLoS ONE, 2014, 9, e105905.	2.5	18
89	Application of metabolomics in prediction of lymph node metastasis in papillary thyroid carcinoma. PLoS ONE, 2018, 13, e0193883.	2.5	18
90	Stratification of Postsurgical Computed Tomography Surveillance Based on the Extragastric Recurrence of Early Gastric Cancer. Annals of Surgery, 2020, 272, 319-325.	4.2	18

#	Article	IF	Citations
91	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
92	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
93	Metastasis-Free Interval Is Closely Related to Tumor Characteristics and Has Prognostic Value in Breast Cancer Patients with Distant Relapse. Journal of Breast Cancer, 2015, 18, 371.	1.9	17
94	Predictive factors for treatment response using dual-energy computed tomography in patients with advanced lung adenocarcinoma. European Journal of Radiology, 2018, 101, 118-123.	2.6	17
95	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
96	Prognostic value of coronary artery disease-reporting and data system (CAD-RADS) score for cardiovascular events in ischemic stroke. Atherosclerosis, 2019, 287, 1-7.	0.8	17
97	Diagnostic Value of Advanced ImagingÂModalities for the DetectionÂandÂDifferentiation of Prosthetic ValveÂObstruction. JACC: Cardiovascular Imaging, 2019, 12, 2182-2192.	5.3	17
98	Incremental Role of Pancreatic Magnetic Resonance Imaging after Staging Computed Tomography to Evaluate Patients with Pancreatic Ductal Adenocarcinoma. Cancer Research and Treatment, 2019, 51, 24-33.	3.0	17
99	Histogram and gray level co-occurrence matrix on gray-scale ultrasound images for diagnosing lymphocytic thyroiditis. Computers in Biology and Medicine, 2016, 75, 257-266.	7.0	16
100	Quantitative Analysis of a Whole Cardiac Mass Using Dual-Energy Computed Tomography: Comparison with Conventional Computed Tomography and Magnetic Resonance Imaging. Scientific Reports, 2018, 8, 15334.	3.3	16
101	Imaging Features of Hepatocellular Carcinoma. Investigative Radiology, 2019, 54, 494-499.	6.2	16
102	Implications of US radiomics signature for predicting malignancy in thyroid nodules with indeterminate cytology. European Radiology, 2021, 31, 5059-5067.	4.5	16
103	BRAFV600E mutation testing in fine needle aspirates of thyroid nodules: potential value of real-time PCR. Annals of Clinical and Laboratory Science, 2012, 42, 258-65.	0.2	16
104	Usefulness of Multiparametric Ultrasound for Evaluating Structural Abnormality of Transplanted Kidney: Can We Predict Histologic Abnormality on Renal Biopsy in Advance?. American Journal of Roentgenology, 2017, 209, W139-W144.	2.2	15
105	Clot Meniscus Sign: An Angiographic Clue for Choosing between Stent Retriever and Contact Aspiration in Acute Basilar Artery Occlusion. American Journal of Neuroradiology, 2021, 42, 732-737.	2.4	15
106	Quantification of intracranial internal carotid artery calcification on brain unenhanced CT: evaluation of its feasibility and assessment of the reliability of visual grading scales. European Radiology, 2013, 23, 20-27.	4.5	14
107	Can additional immunohistochemistry staining replace the surgical excision for the diagnosis of papillary breast lesions classified as benign on 14-gage core needle biopsy?. Breast Cancer Research and Treatment, 2013, 137, 797-806.	2.5	14
108	Temporal Trends in Cervical Spine Curvature of South Korean Adults Assessed by Deep Learning System Segmentation, 2006-2018. JAMA Network Open, 2020, 3, e2020961.	5.9	14

#	Article	IF	Citations
109	BI-RADS category 3, 4, and 5 lesions identified at preoperative breast MRI in patients with breast cancer: implications for management. European Radiology, 2020, 30, 2773-2781.	4.5	14
110	Anterior Optic Pathway Compression Due to Internal Carotid Artery Aneurysms: Neurosurgical Management and Outcomes. Journal of Stroke, 2015, 17, 344-353.	3.2	14
111	Fine-Needle Aspirates CYFRA 21-1 is a Useful Tumor Marker for Detecting Axillary Lymph Node Metastasis in Breast Cancer Patients. PLoS ONE, 2013, 8, e57248.	2.5	13
112	Quantitative Lesion-to-Fat Elasticity Ratio Measured by Shear-Wave Elastography for Breast Mass: Which Area Should Be Selected as the Fat Reference?. PLoS ONE, 2015, 10, e0138074.	2.5	13
113	Additional Targeted Biopsy in Clinically Suspected Prostate Cancer: Prospective Randomized Comparison between Contrast-Enhanced Ultrasound and Sonoelastography Guidance. Ultrasound in Medicine and Biology, 2015, 41, 2836-2841.	1.5	13
114	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
115	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
116	Performance of shear-wave elastography for breast masses using different region-of-interest (ROI) settings. Acta Radiologica, 2018, 59, 789-797.	1.1	13
117	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
118	Deep Learning for the Detection of Breast Cancers on Chest Computed Tomography. Clinical Breast Cancer, 2022, 22, 26-31.	2.4	13
119	Risk Factors for Developing Hyponatremia in Thyroid Cancer Patients Undergoing Radioactive Iodine Therapy. PLoS ONE, 2014, 9, e106840.	2.5	12
120	Clinical Implication of Highly Sensitive Detection of the BRAFV600E Mutation in Fine-Needle Aspirations According to the Thyroid Bethesda System in Patients With Conventional Papillary Thyroid Carcinoma. Annals of Otology, Rhinology and Laryngology, 2015, 124, 392-399.	1.1	12
121	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
122	Utility of FDG PET/CT for Preoperative Staging of Non–Small Cell Lung Cancers Manifesting as Subsolid Nodules With a Solid Portion of 3 cm or Smaller. American Journal of Roentgenology, 2020, 214, 514-523.	2.2	12
123	Evaluation of serum thyroid–stimulating hormone as indicator for fine–needle aspiration in patients with thyroid nodules. Head and Neck, 2015, 37, 498-504.	2.0	11
124	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
125	Differentiation of thyroid nodules on US using features learned and extracted from various convolutional neural networks. Scientific Reports, 2019, 9, 19854.	3.3	11
126	Renal elasticity and perfusion changes associated with fibrosis on ultrasonography in a rabbit model of obstructive uropathy. European Radiology, 2020, 30, 1986-1996.	4.5	11

#	Article	IF	Citations
127	Intestinal lesions in pediatric Crohn disease: comparative detectability among pulse sequences at MR enterography. Pediatric Radiology, 2014, 44, 821-830.	2.0	10
128	Mammographic and Sonographic Features of Triple-Negative Invasive Carcinoma of No Special Type. Ultrasound in Medicine and Biology, 2015, 41, 375-383.	1.5	10
129	Clinical Parameter for Deciding the BRAFV600E Mutation Test in Atypia of Undetermined Significance/Follicular Lesion of Undetermined Significance Thyroid Nodules. Ultrasound Quarterly, 2017, 33, 284-288.	0.8	10
130	Clinical utility of mono-exponential model diffusion weighted imaging using two b-values compared to the bi- or stretched exponential model for the diagnosis of biliary atresia in infant liver MRI. PLoS ONE, 2019, 14, e0226627.	2.5	10
131	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
132	Stiffness of the Central Corpus Cavernosum on Shear-Wave Elastography Is Inversely Correlated with the Penile Rigidity Score in Patients with Erectile Dysfunction. World Journal of Men?s Health, 2021, 39, 123.	3.3	10
133	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
134	Liver stiffness and perfusion changes for hepatic sinusoidal obstruction syndrome in rabbit model. World Journal of Gastroenterology, 2020, 26, 706-716.	3.3	10
135	Immunohistochemical Subtypes of Breast Cancer: Correlation with Clinicopathological and Radiological Factors. Iranian Journal of Radiology, 2016, 13, e31386.	0.2	10
136	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
137	Retrospective Evaluation of Treatment Response in Patients with Nonmetastatic Pancreatic Cancer Using CT and CA 19-9. Radiology, 2022, 303, 548-556.	7.3	10
138	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
139	Pathologic Spectrum of Lymphocytic Infiltration and Recurrence of Papillary Thyroid Carcinoma. Yonsei Medical Journal, 2014, 55, 879.	2.2	9
140	Prediction of anatomical lung volume using planimetric measurements on chest radiographs. Acta Radiologica, 2016, 57, 1066-1071.	1.1	9
141	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
142	Optimal criteria for hepatocellular carcinoma diagnosis using CT in patients undergoing liver transplantation. European Radiology, 2019, 29, 1022-1031.	4.5	9
143	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
144	Mistakes to Avoid for Accurate and Transparent Reporting of Survival Analysis in Imaging Research. Korean Journal of Radiology, 2021, 22, 1587.	3.4	9

#	Article	IF	Citations
145	Application of artificial intelligence–based computer-assisted diagnosis on synthetic mammograms from breast tomosynthesis: comparison with digital mammograms. European Radiology, 2021, 31, 6929-6937.	4.5	9
146	Deep Learning–Based Software Improves Clinicians' Detection Sensitivity of Aneurysms on Brain TOF-MRA. American Journal of Neuroradiology, 2021, 42, 1769-1775.	2.4	9
147	CT-Based Fagotti Scoring System for Non-Invasive Prediction of Cytoreduction Surgery Outcome in Patients with Advanced Ovarian Cancer. Korean Journal of Radiology, 2021, 22, 1481.	3.4	9
148	The repeatability of computed tomography lung volume measurements: Comparisons in healthy subjects, patients with obstructive lung disease, and patients with restrictive lung disease. PLoS ONE, 2017, 12, e0182849.	2.5	9
149	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
150	The Plasma Small Dense LDL-Cholesterol Calculation Formula Proposed by Srisawasdi et al Is Not Applicable to Koreans Who Are Healthy or Have Metabolic Syndrome. American Journal of Clinical Pathology, 2012, 138, 754-756.	0.7	8
151	Role of [^{18}F]Fluorodeoxyglucose Positron Emission Tomography–Computed Tomography, Sonography, and Sonographically Guided Fine–Needle Aspiration Biopsy in the Diagnosis of Axillary Lymph Nodes in Patients With Breast Cancer. Journal of Ultrasound in Medicine, 2014, 33, 1013-1021.	1.7	8
152	Gadoxetic acid enhanced magnetic resonance imaging for prediction of the postoperative prognosis of intrahepatic mass-forming cholangiocarcinoma. Abdominal Radiology, 2019, 44, 110-121.	2.1	8
153	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
154	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
155	Cardiotoxicity evaluation using magnetic resonance imaging in breast Cancer patients (CareBest): study protocol for a prospective trial. BMC Cardiovascular Disorders, 2020, 20, 264.	1.7	8
156	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
157	Radiomics Feature Analysis Using Native T1 Mapping for Discriminating Between Cardiac Tumors and Thrombi. Academic Radiology, 2022, 29, S1-S8.	2.5	8
158	Annual Trends in Ultrasonography-Guided 14-Gauge Core Needle Biopsy for Breast Lesions. Korean Journal of Radiology, 2020, 21, 259.	3.4	8
159	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
160	Coronary Computed Tomography Angiography for Selecting Coronary Artery Bypass Graft Surgery Candidates. Annals of Thoracic Surgery, 2013, 95, 1340-1346.	1.3	7
161	Fine-Needle Aspirate CYFRA 21-1, an Innovative New Marker for Diagnosis of Axillary Lymph Node Metastasis in Breast Cancer Patients. Medicine (United States), 2015, 94, e811.	1.0	7
162	Use of Preoperative MRI to Select Candidates for Local Excision of MRI-Staged T1 and T2 Rectal Cancer. Diseases of the Colon and Rectum, 2015, 58, 923-930.	1.3	7

#	Article	IF	Citations
163	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
164	SYNTAX score based on coronary computed tomography angiography may have a prognostic value in patients with complex coronary artery disease. Medicine (United States), 2017, 96, e7999.	1.0	7
165	Risk of Primary Spontaneous Pneumothorax According to Chest Configuration. Thoracic and Cardiovascular Surgeon, 2018, 66, 583-588.	1.0	7
166	Texture Analysis to Differentiate Malignant Renal Tumors in Children Using Gray-Scale Ultrasonography Images. Ultrasound in Medicine and Biology, 2019, 45, 2205-2212.	1.5	7
167	Hepatic subcapsular or capsular flow in biliary atresia: is it useful imaging feature after the Kasai operation?. European Radiology, 2020, 30, 3161-3167.	4.5	7
168	Reliability of Coronary Artery Calcium Severity Assessment on Non-Electrocardiogram-Gated CT: A Meta-Analysis. Korean Journal of Radiology, 2021, 22, 1034.	3.4	7
169	Quantitative MRI Assessment of Pancreatic Steatosis Using Proton Density Fat Fraction in Pediatric Obesity. Korean Journal of Radiology, 2021, 22, 1886.	3.4	7
170	Coronary CT Angiography CAD-RADS versus Coronary Artery Calcium Score in Patients with Acute Chest Pain. Radiology, 2021, 301, 81-90.	7.3	7
171	A New Reporting System for Diagnosis of Hepatocellular Carcinoma in Chronic Hepatitis B With Clinical and Gadoxetic Acid–Enhanced <scp>MRI</scp> Features. Journal of Magnetic Resonance Imaging, 2022, 55, 1877-1886.	3.4	7
172	Preoperative magnetic resonance imaging–based prognostic model for mass–forming intrahepatic cholangiocarcinoma. Liver International, 2022, 42, 930-941.	3.9	7
173	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
174	Validation of the 2015 American Thyroid Association Management Guidelines for Thyroid Nodules With Benign Cytologic Findings in the Era of the Bethesda System. American Journal of Roentgenology, 2018, 210, 629-634.	2.2	6
175	Accuracy of computed tomography for selecting the revascularization method based on SYNTAX score II. European Radiology, 2018, 28, 2151-2158.	4.5	6
176	Effectiveness of automatic tube potential selection with tube current modulation in coronary CT angiography for obese patients: Comparison with a body mass index-based protocol using the propensity score matching method. PLoS ONE, 2018, 13, e0190584.	2.5	6
177	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
178	Subcentimeter hepatocellular carcinoma in treatment-naïve patients: noninvasive diagnostic criteria and tumor staging on gadoxetic acid–enhanced MRI. European Radiology, 2021, 31, 2321-2331.	4.5	6
179	Mammographic Surveillance After Breast-Conserving Therapy: Impact of Digital Breast Tomosynthesis and Artificial Intelligence–Based Computer-Aided Detection. American Journal of Roentgenology, 2022, 218, 42-51.	2.2	6
180	A Deep Learning Model with High Standalone Performance for Diagnosis of Unruptured Intracranial Aneurysm. Yonsei Medical Journal, 2021, 62, 1052.	2.2	6

#	Article	IF	Citations
181	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
182	Quality assessment of radiomics research in cardiac CT: a systematic review. European Radiology, 2022, , 1.	4.5	6
183	Validation of the modified 4â€tiered categorization system through comparison with the 5â€tiered categorization system of the 2015 American Thyroid Association guidelines for classifying small thyroid nodules on ultrasound. Head and Neck, 2017, 39, 2208-2215.	2.0	5
184	Radiological patterns of secondary sclerosing cholangitis in patients after lung transplantation. Abdominal Radiology, 2019, 44, 1361-1366.	2.1	5
185	Strap muscle invasion in differentiated thyroid cancer does not impact disease-specific survival: a population-based study. Scientific Reports, 2020, 10, 18248.	3.3	5
186	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
187	Research Designs and Statistical Methods Trends in the Annals of Rehabilitation Medicine. Annals of Rehabilitation Medicine, 2017, 41, 475.	1.6	5
188	Optimization of a chest computed tomography protocol for detecting pure ground glass opacity nodules: A feasibility study with a computer-assisted detection system and a lung cancer screening phantom. PLoS ONE, 2020, 15, e0232688.	2.5	5
189	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
190	Nodule Classification on Low-Dose Unenhanced CT and Standard-Dose Enhanced CT: Inter-Protocol Agreement and Analysis of Interchangeability. Korean Journal of Radiology, 2018, 19, 516.	3.4	4
191	Tricuspid annular diameter and right ventricular volume on preoperative cardiac CT can predict postoperative right ventricular dysfunction in patients who undergo tricuspid valve surgery. International Journal of Cardiology, 2019, 288, 44-50.	1.7	4
192	Calcifications with suspicious morphology at mammography: should they all be considered with the same clinical significance?. European Radiology, 2021, 31, 2529-2538.	4.5	4
193	Quantitative T1 Mapping for Detecting Microvascular Obstruction in Reperfused Acute Myocardial Infarction: Comparison with Late Gadolinium Enhancement Imaging. Korean Journal of Radiology, 2020, 21, 978.	3.4	4
194	Evaluation of the Ostium in Anomalous Origin of the Right Coronary Artery with an Interarterial Course Using Dynamic Cardiac CT and Implications of Ostial Findings. Korean Journal of Radiology, 2022, 23, 172.	3.4	4
195	CT-based radiomics signature for differentiation between cardiac tumors and thrombi: a retrospective, multicenter study. Scientific Reports, 2022, 12, 8173.	3.3	4
196	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
197	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
198	Lesion stiffness measured by shear-wave elastography: Preoperative predictor of the histologic underestimation of US-guided core needle breast biopsy. European Journal of Radiology, 2015, 84, 2509-2514.	2.6	3

#	Article	IF	Citations
199	Comparison of coronary computed tomography angiography image quality with high- and low-concentration contrast agents (CONCENTRATE): study protocol for a randomized controlled trial. Trials, 2016, 17, 315.	1.6	3
200	Adverse Prognostic CT Findings for Patients With Advanced Lung Adenocarcinoma Receiving First-Line Epidermal Growth Factor Receptor–Tyrosine Kinase Inhibitor Therapy. American Journal of Roentgenology, 2018, 210, 43-51.	2.2	3
201	High versus low attenuation thresholds to determine the solid component of ground-glass opacity nodules. PLoS ONE, 2018, 13, e0205490.	2.5	3
202	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
203	Atypical Ductal Hyperplasia on Ultrasonography-Guided Vacuum-Assisted Biopsy of the Breast. Ultrasound Quarterly, 2020, 36, 192-198.	0.8	3
204	Feasibility of Coronary Artery Calcium Scoring on Dual-Energy Chest Computed Tomography: A Prospective Comparison with Electrocardiogram-Gated Calcium Score Computed Tomography. Journal of Clinical Medicine, 2021, 10, 653.	2.4	3
205	Intranodular Vascularity May Be Useful in Predicting Malignancy in Thyroid Nodules with the Intermediate Suspicion Pattern of the 2015 American Thyroid Association Guidelines. Ultrasound in Medicine and Biology, 2020, 46, 1373-1379.	1.5	3
206	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
207	Predicting the image noise level of prospective ECG-triggered coronary computed tomography angiography: quantitative measurement of thoracic component versus body mass index. International Journal of Cardiovascular Imaging, 2015, 31, 213-221.	1.5	2
208	Repeat Targeted Prostate Biopsy under Guidance of Multiparametric MRI-Correlated Real-Time Contrast-Enhanced Ultrasound for Patients with Previous Negative Biopsy and Elevated Prostate-Specific Antigen: A Prospective Study. PLoS ONE, 2015, 10, e0130671.	2.5	2
209	False-negative results of breast MR computer-aided evaluation in patients with breast cancer: correlation with clinicopathologic and radiologic factors. Clinical Imaging, 2016, 40, 1086-1091.	1.5	2
210	Regional Amyloid Burden Differences Evaluated Using Quantitative Cardiac MRI in Patients with Cardiac Amyloidosis. Korean Journal of Radiology, 2021, 22, 880.	3.4	2
211	Predictive factors of recurrence after resection of subsolid clinical stage IA lung adenocarcinoma. Thoracic Cancer, 2021, 12, 941-948.	1.9	2
212	Effect of different driver power amplitudes on liver stiffness measurement in pediatric liver MR elastography. Abdominal Radiology, 2021, 46, 4729-4735.	2.1	2
213	Histogram-derived modified thresholds for coronary artery calcium scoring with lower tube voltage. Scientific Reports, 2021, 11, 17450.	3.3	2
214	Ultrasonography surveillance in papillary thyroid carcinoma patients after total thyroidectomy according to dynamic risk stratification. Endocrine, 2020, 69, 347-357.	2.3	2
215	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
216	A lexicon for hepatocellular carcinoma surveillance ultrasonography: benign versus malignant lesions. Clinical and Molecular Hepatology, 2017, 23, 57-65.	8.9	2

#	Article	IF	Citations
217	Impact of intratumoral heterogeneity on the metabolic profiling of breast cancer tissue using high‐resolution magic angle spinning magnetic resonance spectroscopy. NMR in Biomedicine, 2021, , e4682.	2.8	2
218	US, Mammography, and Histopathologic Evaluation to Identify Low Nuclear Grade Ductal Carcinoma in Situ. Radiology, 2022, 303, 276-284.	7.3	2
219	Half-dose abdominal CT with sinogram-affirmed iterative reconstruction technique in children â€" comparison with full-dose CT with filtered back projection. Pediatric Radiology, 2015, 45, 188-193.	2.0	1
220	Incremental prognostic value of computed tomography in stroke: rationale and design of the IMPACTS study. International Journal of Cardiovascular Imaging, 2016, 32, 83-89.	1.5	1
221	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
222	Guideline Implementation on Fine-Needle Aspiration for Thyroid Nodules: Focusing on Micronodules. Endocrine Practice, 2020, 26, 1017-1025.	2.1	1
223	Added Value of Arterial Enhancement Fraction Color Maps for the Characterization of Small Hepatic Low-Attenuating Lesions in Patients with Colorectal Cancer. PLoS ONE, 2015, 10, e0114819.	2.5	1
224	Determining the optimal timing of screening spinal cord ultrasonography to detect filum terminale lipoma in infants. Ultrasonography, 2020, 39, 367-375.	2.3	1
225	Changes in Perioperative Systolic Blood Pressure in Percutaneous Renal Mass Cryoablation. CardioVascular and Interventional Radiology, 2018, 41, 291-297.	2.0	0
226	Semi-Quantitative Analysis for Determining the Optimal Threshold Value on CT to Measure the Solid Portion of Pulmonary Subsolid Nodules. Journal of the Korean Society of Radiology, 2021, 82, 670.	0.2	0
227	Utility of the 16-cm Axial Volume Scan Technique for Coronary Artery Calcium Scoring on Non-Enhanced Chest CT: A Prospective Pilot Study. Journal of the Korean Society of Radiology, 2021, 82, 1493.	0.2	0
228	Title is missing!. , 2019, 14, e0226627.		0
229	Title is missing!. , 2019, 14, e0226627.		0
230	Title is missing!. , 2019, 14, e0226627.		0
231	Title is missing!. , 2019, 14, e0226627.		0
232	Initial Abdominal CT and Laboratory Findings Prior to Diagnosis of Crohnâ€™s Disease in Children. Yonsei Medical Journal, 2022, 63, 675.	2.2	0