Sang Hyun Choi

List of Publications by Year in descending order

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		218381	205818
113	2,924	26	48
papers	citations	h-index	g-index
115	115	115	3546
113	113	113	3340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Systematic Review and Meta-Analysis of Studies Evaluating Diagnostic Test Accuracy: A Practical Review for Clinical Researchers-Part II. Statistical Methods of Meta-Analysis. Korean Journal of Radiology, 2015, 16, 1188.	1.5	350
2	Systematic Review and Meta-Analysis of Studies Evaluating Diagnostic Test Accuracy: A Practical Review for Clinical Researchers-Part I. General Guidance and Tips. Korean Journal of Radiology, 2015, 16, 1175.	1.5	255
3	LI-RADS Classification and Prognosis of Primary Liver Cancers at Gadoxetic Acid–enhanced MRI. Radiology, 2019, 290, 388-397.	3.6	125
4	Diagnostic criteria for hepatocellular carcinoma $\hat{a}@^{1/2}3$ cm with hepatocyte-specific contrast-enhanced magnetic resonance imaging. Journal of Hepatology, 2016, 64, 1099-1107.	1.8	93
5	Percutaneous CT-Guided Aspiration and Core Biopsy of Pulmonary Nodules Smaller Than 1 cm: Analysis of Outcomes of 305 Procedures From a Tertiary Referral Center. American Journal of Roentgenology, 2013, 201, 964-970.	1.0	90
6	Non-enhanced magnetic resonance imaging as a surveillance tool for hepatocellular carcinoma: Comparison with ultrasound. Journal of Hepatology, 2020, 72, 718-724.	1.8	86
7	Diffusion-weighted Magnetic Resonance Enterography for Evaluating Bowel Inflammation in Crohn's Disease. Inflammatory Bowel Diseases, 2016, 22, 669-679.	0.9	84
8	Intrahepatic Cholangiocarcinoma in Patients with Cirrhosis: Differentiation from Hepatocellular Carcinoma by Using Gadoxetic Acid–enhanced MR Imaging and Dynamic CT. Radiology, 2017, 282, 771-781.	3.6	73
9	Hepatic Arterial Injuries in 3110 Patients Following Percutaneous Transhepatic Biliary Drainage. Radiology, 2011, 261, 969-975.	3.6	72
10	Liver Imaging Reporting and Data System v2014 With Gadoxetate Disodium–Enhanced Magnetic Resonance Imaging. Investigative Radiology, 2016, 51, 483-490.	3.5	72
11	Progression of Unresected Intraductal Papillary Mucinous Neoplasms of the Pancreas to Cancer: A Systematic Review andÂMeta-analysis. Clinical Gastroenterology and Hepatology, 2017, 15, 1509-1520.e4.	2.4	71
12	Thyroid nodules with initially non-diagnostic, fine-needle aspiration results: comparison of core-needle biopsy and repeated fine-needle aspiration. European Radiology, 2014, 24, 2819-2826.	2.3	70
13	MRI Features for Predicting Microvascular Invasion of Hepatocellular Carcinoma: A Systematic Review and Meta-Analysis. Liver Cancer, 2021, 10, 94-106.	4.2	70
14	Diagnostic performance of CT, gadoxetate disodiumâ€enhanced MRI, and PET/CT for the diagnosis of colorectal liver metastasis: Systematic review and metaâ€analysis. Journal of Magnetic Resonance Imaging, 2018, 47, 1237-1250.	1.9	69
15	Gadoxetic Acid–enhanced MRI of Hepatocellular Carcinoma: Value of Washout in Transitional and Hepatobiliary Phases. Radiology, 2019, 291, 651-657.	3.6	62
16	Risk Stratification of Prostate Cancer According to PI-RADS® Version 2 Categories: Meta-Analysis for Prospective Studies. Journal of Urology, 2020, 204, 1141-1149.	0.2	44
17	Interreader Agreement with Prostate Imaging Reporting and Data System Version 2 for Prostate Cancer Detection: A Systematic Review and Meta-Analysis. Journal of Urology, 2020, 204, 661-670.	0.2	43
18	Efficacy and Safety of Microwave Ablation for Malignant Renal Tumors: An Updated Systematic Review and Meta-Analysis of the Literature Since 2012. Korean Journal of Radiology, 2018, 19, 938.	1.5	42

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19	Validation of US Liver Imaging Reporting and Data System Version 2017 in Patients at High Risk for Hepatocellular Carcinoma. Radiology, 2019, 292, 390-397.	3.6	41
20	Performance of Prostate Imaging Reporting and Data System Version 2.1 for Diagnosis of Prostate Cancer: A Systematic Review and ⟨scp⟩Metaâ€Analysis⟨ scp⟩. Journal of Magnetic Resonance Imaging, 2021, 54, 103-112.	1.9	38
21	Perfusion MRI as the predictive/prognostic and pharmacodynamic biomarkers in recurrent malignant glioma treated with bevacizumab: a systematic review and a time-to-event meta-analysis. Journal of Neuro-Oncology, 2016, 128, 185-194.	1.4	37
22	Arterial subtraction images of gadoxetate-enhanced MRI improve diagnosis of early-stage hepatocellular carcinoma. Journal of Hepatology, 2019, 71, 534-542.	1.8	36
23	MRI Assessment of Complete Response to Preoperative Chemoradiation Therapy for Rectal Cancer: 2020 Guide for Practice from the Korean Society of Abdominal Radiology. Korean Journal of Radiology, 2020, 21, 812.	1.5	36
24	MR tumor regression grade for pathological complete response in rectal cancer post neoadjuvant chemoradiotherapy: a systematic review and meta-analysis for accuracy. European Radiology, 2020, 30, 2312-2323.	2.3	32
25	CT/MRI and CEUS LI-RADS Major Features Association with Hepatocellular Carcinoma: Individual Patient Data Meta-Analysis. Radiology, 2022, 302, 326-335.	3.6	32
26	Comparison of Radioembolization and Sorafenib for the Treatment of Hepatocellular Carcinoma with Portal Vein Tumor Thrombosis: A Systematic Review and Meta-Analysis of Safety and Efficacy. Korean Journal of Radiology, 2019, 20, 385.	1.5	29
27	Diagnosis of Metastasis to the Thyroid Gland. Otolaryngology - Head and Neck Surgery, 2016, 154, 618-625.	1.1	28
28	Preoperative prediction of postsurgical outcomes in mass-forming intrahepatic cholangiocarcinoma based on clinical, radiologic, and radiomics features. European Radiology, 2021, 31, 8638-8648.	2.3	28
29	Abbreviated magnetic resonance imaging vs ultrasound for surveillance of hepatocellular carcinoma in highâ€risk patients. Liver International, 2022, 42, 2080-2092.	1.9	28
30	Comparison between neuroendocrine carcinomas and well-differentiated neuroendocrine tumors of the pancreas using dynamic enhanced CT. European Radiology, 2020, 30, 4772-4782.	2.3	27
31	Interreader Agreement of Liver Imaging Reporting and Data System on MRI: A Systematic Review and Metaâ€Analysis. Journal of Magnetic Resonance Imaging, 2020, 52, 795-804.	1.9	24
32	Meta-analysis of the accuracy of Liver Imaging Reporting and Data System category 4 or 5 for diagnosing hepatocellular carcinoma. Gut, 2019, 68, 1719-1721.	6.1	22
33	Intraindividual Comparison between Gadoxetate-Enhanced Magnetic Resonance Imaging and Dynamic Computed Tomography for Characterizing Focal Hepatic Lesions: A Multicenter, Multireader Study. Korean Journal of Radiology, 2019, 20, 1616.	1.5	22
34	Diagnostic performance of [18F]FDG-PET/MRI for liver metastasis in patients with primary malignancy: a systematic review and meta-analysis. European Radiology, 2019, 29, 3553-3563.	2.3	21
35	Comparison of the diagnostic performance of imaging criteria for HCCsâ€‰â‰æ€‰3.0Âcm on gadoxetate disodium-enhanced MRI. Hepatology International, 2020, 14, 534-543.	1.9	21
36	Subtraction Images of Gadoxetic Acid–Enhanced MRI: Effect on the Diagnostic Performance for Focal Hepatic Lesions in Patients at Risk for Hepatocellular Carcinoma. American Journal of Roentgenology, 2017, 209, 584-591.	1.0	20

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37	The Usefulness of Gadoxetic Acid-Enhanced Dynamic Magnetic Resonance Imaging in Hepatocellular Carcinoma: Toward Improved Staging. Annals of Surgical Oncology, 2015, 22, 819-825.	0.7	19
38	Liver imaging reporting and data system category M: A systematic review and metaâ€analysis. Liver International, 2020, 40, 1477-1487.	1.9	19
39	Radiologic Evaluation and Structured Reporting Form for Extrahepatic Bile Duct Cancer: 2019 Consensus Recommendations from the Korean Society of Abdominal Radiology. Korean Journal of Radiology, 2021, 22, 41.	1.5	19
40	Accuracy of the ultrasound attenuation coefficient for the evaluation of hepatic steatosis: a systematic review and meta-analysis of prospective studies. Ultrasonography, 2022, 41, 83-92.	1.0	18
41	Comparisons of clinical outcomes in patients with and without a preoperative tissue diagnosis in the persistent malignant-looking, ground-glass-opacity nodules. Medicine (United States), 2016, 95, e4359.	0.4	17
42	Liver Imaging Reporting and Data System: Patient Outcomes for Category 4 and 5 Nodules. Radiology, 2018, 287, 515-524.	3.6	17
43	Evaluation of the Clinical Usefulness of <i>BRAF^{V600E}</i> Mutation Analysis of Core-Needle Biopsy Specimens in Thyroid Nodules with Previous Atypia of Undetermined Significance or Follicular Lesions of Undetermined Significance Results. Thyroid, 2015, 25, 897-903.	2.4	16
44	Meta-analysis of CT and MRI for differentiation of autoimmune pancreatitis from pancreatic adenocarcinoma. European Radiology, 2021, 31, 3427-3438.	2.3	16
45	Thermal ablation in the treatment of intrahepatic cholangiocarcinoma: a systematic review and meta-analysis. European Radiology, 2022, 32, 1205-1215.	2.3	16
46	Ancillary features in the Liver Imaging Reporting and Data System: how to improve diagnosis of hepatocellular carcinoma â‰ ≆ €‰3Åcm on magnetic resonance imaging. European Radiology, 2020, 30, 2881-2889.	2.3	15
47	Accuracy of thyroid imaging reporting and data system category 4 or 5 for diagnosing malignancy: a systematic review and meta-analysis. European Radiology, 2020, 30, 5611-5624.	2.3	15
48	Meta-Analysis of the Accuracy of Abbreviated Magnetic Resonance Imaging for Hepatocellular Carcinoma Surveillance: Non-Contrast versus Hepatobiliary Phase-Abbreviated Magnetic Resonance Imaging. Cancers, 2021, 13, 2975.	1.7	15
49	Impact of Reference Standard on CT, MRI, and Contrast-enhanced US LI-RADS Diagnosis of Hepatocellular Carcinoma: A Meta-Analysis. Radiology, 2022, 303, 544-545.	3.6	15
50	Computed Tomography Features Predictive of Lymph Node Involvement in Patients With a Nonfunctioning Pancreatic Neuroendocrine Tumor. Pancreas, 2017, 46, 1056-1063.	0.5	14
51	Detection of Local Tumor Recurrence After Definitive Treatment of Head and Neck Squamous Cell Carcinoma: Histogram Analysis of Dynamic Contrast-Enhanced T1-Weighted Perfusion MRI. American Journal of Roentgenology, 2017, 208, 42-47.	1.0	14
52	Transient Severe Motion Artifact on Arterial Phase in Gadoxetic Acid-Enhanced Liver Magnetic Resonance Imaging. Investigative Radiology, 2022, 57, 62-70.	3.5	14
53	Clinical Staging of Massâ€Forming Intrahepatic Cholangiocarcinoma: Computed Tomography Versus Magnetic Resonance Imaging. Hepatology Communications, 2021, 5, 2009-2018.	2.0	14
54	Clinical usefulness of gadoxetic acid–enhanced MRI for evaluating biliary anatomy in living donor liver transplantation. European Radiology, 2019, 29, 6508-6518.	2.3	12

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55	Metaâ€analysis of MRI for the diagnosis of liver metastasis in patients with pancreatic adenocarcinoma. Journal of Magnetic Resonance Imaging, 2020, 51, 1737-1744.	1.9	12
56	The Liver Imaging Reporting and Data System tumor-in-vein category: a systematic review and meta-analysis. European Radiology, 2021, 31, 2497-2506.	2.3	12
57	Inter-reader reliability of CT Liver Imaging Reporting and Data System according to imaging analysis methodology: a systematic review and meta-analysis. European Radiology, 2021, 31, 6856-6867.	2.3	12
58	Focal hepatic solid lesions incidentally detected on initial ultrasonography in 542 asymptomatic patients. Abdominal Radiology, 2016, 41, 265-272.	1.0	11
59	Measurement of liver volumes by portal vein flow by Doppler ultrasound in living donor liver transplantation. Clinical Transplantation, 2017, 31, e13050.	0.8	11
60	Feasibility, safety, and adequacy of research biopsies for cancer clinical trials at an academic medical center. PLoS ONE, 2019, 14, e0221065.	1.1	11
61	Diagnostic performance of MRI for HCC according to contrast agent type: a systematic review and meta-analysis. Hepatology International, 2020, 14, 1009-1022.	1.9	11
62	Diagnostic performance of Liver Imaging Reporting and Data System treatment response algorithm: a systematic review and meta-analysis. European Radiology, 2021, 31, 4785-4793.	2.3	11
63	Noninvasive quantitative estimation of hepatic steatosis by ultrasound: a comparison of the hepato-renal index and ultrasound attenuation index Medical Ultrasonography, 2016, 18, 431.	0.4	11
64	Systematic review and meta-analysis of diagnostic performance of CT imaging for assessing resectability of pancreatic ductal adenocarcinoma after neoadjuvant therapy: importance of CT criteria. Abdominal Radiology, 2021, 46, 5201-5217.	1.0	10
65	US LI-RADS visualization score: diagnostic outcome of ultrasound-guided focal hepatic lesion biopsy in patients at risk for hepatocellular carcinoma. Ultrasonography, 2021, 40, 167-175.	1.0	9
66	Combined <scp>Hepatocellularâ€Cholangiocarcinoma</scp> : Magnetic Resonance Imaging Features and Prognosis According to Risk Factors for Hepatocellular Carcinoma. Journal of Magnetic Resonance Imaging, 2021, 53, 1803-1812.	1.9	9
67	Semiautomated spleen volumetry with diffusionâ€weighted MR imaging. Magnetic Resonance in Medicine, 2012, 68, 305-310.	1.9	8
68	CT of acute rejection after liver transplantation: a matched case–control study. European Radiology, 2019, 29, 3736-3745.	2.3	8
69	Accuracy of contrast-enhanced ultrasound liver imaging reporting and data system: a systematic review and meta-analysis. Hepatology International, 2020, 14, 1104-1113.	1.9	8
70	Radio-pathologic correlation of biphenotypic primary liver cancer (combined hepatocellular) Tj ETQq0 0 0 rgBT /C liver MRI. European Radiology, 2021, 31, 9479-9488.	overlock 10 2.3	O Tf 50 147 T 8
71	Diagnostic value of [68ÂGa]Ga-DOTA-labeled-somatostatin analogue PET/MRI for detecting liver metastasis in patients with neuroendocrine tumors: a systematic review and meta-analysis. European Radiology, 2022, 32, 4628-4637.	2.3	8
72	MRI features for differentiation of autoimmune pancreatitis from pancreatic ductal adenocarcinoma: A systematic review and meta-analysis. Digestive and Liver Disease, 2022, 54, 849-856.	0.4	8

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73	Recurrent Bilateral Breast Abscess Due to Nontuberculous Mycobacterial Infection. Journal of Breast Cancer, 2014, 17, 295.	0.8	7
74	Initial clinical experience with BRAF ^{V600E} mutation analysis of coreâ€needle biopsy specimens from thyroid nodules. Clinical Endocrinology, 2016, 84, 607-613.	1.2	7
75	Visibility of the graft hepatic artery using superb microvascular imaging in liver transplantation recipients: initial experience. Acta Radiologica, 2018, 59, 1326-1335.	0.5	7
76	Combined computed tomography and magnetic resonance imaging improves diagnosis of hepatocellular carcinomaâ€‰â‰æ€‰3.0Âcm. Hepatology International, 2021, 15, 676-684.	1.9	7
77	Preoperative magnetic resonance imagingâ€based prognostic model for massâ€forming intrahepatic cholangiocarcinoma. Liver International, 2022, 42, 930-941.	1.9	7
78	Impact of the Liver Imaging Reporting and Data System on Research Studies of Diagnosing Hepatocellular Carcinoma Using MRI. Korean Journal of Radiology, 2022, 23, 529.	1.5	7
79	Feasibility of UltraFast Doppler in Post-operative Evaluation of Hepatic Artery in Recipients following Liver Transplantation. Ultrasound in Medicine and Biology, 2017, 43, 2611-2618.	0.7	6
80	Hepatic Artery Occlusion after Liver Transplantation in Patients with Doppler Ultrasound Abnormality: Increasing Sensitivity of Contrast-Enhanced Ultrasound Diagnosis. Korean Journal of Radiology, 2019, 20, 459.	1.5	6
81	Diagnostic performance of ultrasonography-guided core-needle biopsy according to MRI LI-RADS diagnostic categories. Ultrasonography, 2021, 40, 387-397.	1.0	6
82	Inadequate Ultrasound Examination in Hepatocellular Carcinoma Surveillance: A Systematic Review and Meta-Analysis. Journal of Clinical Medicine, 2021, 10, 3535.	1.0	6
83	Magnetic Resonance Imaging for Surveillance of Hepatocellular Carcinoma: A Systematic Review and Meta-Analysis. Diagnostics, $2021,11,1665.$	1.3	6
84	Clinical usefulness of multiple arterial-phase images in gadoxetate disodium-enhanced magnetic resonance imaging: a systematic review and meta-analysis. European Radiology, 2022, 32, 5413-5423.	2.3	6
85	Accuracy and Efficiency of Right-Lobe Graft Weight Estimation Using Deep-Learning-Assisted CT Volumetry for Living-Donor Liver Transplantation. Diagnostics, 2022, 12, 590.	1.3	6
86	<i>DPC4</i> gene expression in primary pancreatic ductal adenocarcinoma: relationship with CT characteristics. British Journal of Radiology, 2017, 90, 20160403.	1.0	5
87	Computed tomography findings in ABO-incompatible living donor liver transplantation recipients with biliary strictures. European Radiology, 2018, 28, 2572-2581.	2.3	5
88	Is the Mixed Use of Magnetic Resonance Enterography and Computed Tomography Enterography Adequate for Routine Periodic Follow-Up of Bowel Inflammation in Patients with Crohn's Disease?. Korean Journal of Radiology, 2021, 22, .	1.5	5
89	Interreader Reliability of Liver Imaging Reporting and Data System Treatment Response: A Systematic Review and Meta-Analysis. Diagnostics, 2021, 11, 237.	1.3	5
90	Surveillance failure in ultrasound for hepatocellular carcinoma: a systematic review and meta-analysis. Gut, 2022, 71, 212-213.	6.1	5

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91	Comparison of gadoxetate disodium-enhanced MRI sequences for measuring hepatic observation size and its implication of LI-RADS classification. Abdominal Radiology, 2022, 47, 1024-1031.	1.0	5
92	Inter-reader agreement of abbreviated magnetic resonance imaging for hepatocellular carcinoma detection: a systematic review and meta-analysis. Abdominal Radiology, 2022, 47, 123-132.	1.0	4
93	Diagnostic performance of liver fibrosis assessment by quantification of liver surface nodularity on computed tomography and magnetic resonance imaging: systematic review and meta-analysis. European Radiology, 2022, 32, 3377-3387.	2.3	4
94	MR cholangiography in potential liver donors: quantitative and qualitative improvement with administration of an oral effervescent agent. Journal of Magnetic Resonance Imaging, 2017, 46, 1656-1663.	1.9	3
95	Low Graft Attenuation at Unenhanced CT: Association with 1-Month Mortality or Graft Failure after Liver Transplantation. Radiology, 2018, 287, 167-175.	3.6	3
96	Imaging study for colorectal liver metastasis: beyond the diagnosis and to the prognosis. Hepatobiliary Surgery and Nutrition, 2019, 8, 666-668.	0.7	3
97	Selection of MRI contrast agent and diagnostic criteria for HCC to maximize the advantages of contrast agents. Journal of Hepatology, 2020, 73, 714-715.	1.8	3
98	Liver Imaging Reporting and Data System Categories: Longâ€term Imaging Outcomes in a Prospective Surveillance Cohort. Liver International, 2022, , .	1.9	3
99	New strategy for Liver Imaging Reporting and Data System category M to improve diagnostic performance of MRI for hepatocellular carcinoma â‱≇€‰3.0Ácm. Abdominal Radiology, 2022, , .	1.0	3
100	Visualization Score of Gadoxetic Acidâ€Enhanced Magnetic Resonance Imaging: The Effect on the Diagnostic Accuracy for Hepatocellular Carcinoma. Journal of Magnetic Resonance Imaging, 2023, 57, 941-949.	1.9	3
101	Evaluation of drug mechanism and efficacy of a novel anti-angiogenic agent, TTAC-0001, using multi-modality bioimaging in a mouse breast cancer orthotopic model. PLoS ONE, 2018, 13, e0187063.	1.1	2
102	Visibility of B1 and Right/Left Dissociation Using Gd-EOB-DTPA-enhanced T1-weighted Magnetic Resonance Cholangiography in Live Liver Transplant Donors. Transplantation Proceedings, 2019, 51, 2735-2739.	0.3	2
103	Dilatation of left portal vein after right portal vein embolization: a simple estimation for growth of future liver remnant. Journal of Hepato-Biliary-Pancreatic Sciences, 2019, 26, 300-309.	1.4	2
104	Imaging features of hepatocellular carcinoma in nonalcoholic fatty liver disease and nonalcoholic steatohepatitis: a systematic review and meta-analysis. Abdominal Radiology, 2022, , 1.	1.0	2
105	Reply to: "Conclusive HCC diagnosis with hepatocyte-specific contrast-enhanced magnetic resonance imaging? Not yetâ€, Journal of Hepatology, 2016, 65, 650-651.	1.8	1
106	Two Small Intravenous Catheters for High-Rate Contrast Medium Injection for Computed Tomography in Patients Lacking Superficial Veins to Accommodate a Large Catheter. Korean Journal of Radiology, 2018, 19, 489.	1.5	1
107	Importance of Imaging Plane of Gadoxetic Acid-Enhanced Magnetic Resonance Cholangiography for Bile Duct Anatomy in Healthy Liver Donors. Transplantation Proceedings, 2021, 53, 49-53.	0.3	1
108	Transient severe motion artifacts on gadoxetic acid–enhanced MRI: risk factor analysis in 2230 patients. European Radiology, 2022, 32, 8629-8638.	2.3	1

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#	Article	IF	CITATIONS
109	Indirect Doppler ultrasound abnormalities of significant portal vein stenosis after liver transplantation. Journal of Medical Ultrasonics (2001), 2019, 46, 89-98.	0.6	O
110	SAT-458-Subtraction arterial images of hepatocyte-specific contrast-enhanced MRI: Added value for the diagnosis of hepatocellular carcinoma in the liver imaging reporting and data system v2018. Journal of Hepatology, 2019, 70, e834.	1.8	0
111	Inter-reader reliability of contrast-enhanced ultrasound Liver Imaging Reporting and Data System: a meta-analysis. Abdominal Radiology, 2021, 46, 4671-4681.	1.0	O
112	Sonography of hepatic hemangioma accompanied by arterioportal shunt. Clinical and Molecular Hepatology, 2014, 20, 85.	4.5	0
113	Author's reply: "ADC values from diffusion-weighted imaging may be lower for autoimmune pancreatitis than for pancreatic ductal adenocarcinoma― Digestive and Liver Disease, 2022, , .	0.4	0