

Ho Sung Kim

List of Publications by Citations

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130
papers

2,372
citations

27
h-index

43
g-index

145
ext. papers

3,276
ext. citations

6.7
avg, IF

5.62
L-index

#	Paper	IF	Citations
130	Percent change of perfusion skewness and kurtosis: a potential imaging biomarker for early treatment response in patients with newly diagnosed glioblastomas. <i>Radiology</i> , 2012 , 264, 834-43	20.5	122
129	Reproducibility and Generalizability in Radiomics Modeling: Possible Strategies in Radiologic and Statistical Perspectives. <i>Korean Journal of Radiology</i> , 2019 , 20, 1124-1137	6.9	118
128	Quality of science and reporting of radiomics in oncologic studies: room for improvement according to radiomics quality score and TRIPOD statement. <i>European Radiology</i> , 2020 , 30, 523-536	8	97
127	Development and Validation of a Deep Learning System for Staging Liver Fibrosis by Using Contrast Agent-enhanced CT Images in the Liver. <i>Radiology</i> , 2018 , 289, 688-697	20.5	87
126	Which combination of MR imaging modalities is best for predicting recurrent glioblastoma? Study of diagnostic accuracy and reproducibility. <i>Radiology</i> , 2014 , 273, 831-43	20.5	86
125	Pseudoprogression in patients with glioblastoma: added value of arterial spin labeling to dynamic susceptibility contrast perfusion MR imaging. <i>Acta Radiologica</i> , 2013 , 54, 448-54	2	74
124	Incorporating diffusion- and perfusion-weighted MRI into a radiomics model improves diagnostic performance for pseudoprogression in glioblastoma patients. <i>Neuro-Oncology</i> , 2019 , 21, 404-414	1	73
123	Recurrent glioblastoma: optimum area under the curve method derived from dynamic contrast-enhanced T1-weighted perfusion MR imaging. <i>Radiology</i> , 2013 , 269, 561-8	20.5	64
122	Pre- and Posttreatment Glioma: Comparison of Amide Proton Transfer Imaging with MR Spectroscopy for Biomarkers of Tumor Proliferation. <i>Radiology</i> , 2016 , 278, 514-23	20.5	63
121	Diffusion radiomics as a diagnostic model for atypical manifestation of primary central nervous system lymphoma: development and multicenter external validation. <i>Neuro-Oncology</i> , 2018 , 20, 1251-1261	1	62
120	Added value of amide proton transfer imaging to conventional and perfusion MR imaging for evaluating the treatment response of newly diagnosed glioblastoma. <i>European Radiology</i> , 2016 , 26, 4390-4403 ⁵⁰	8	50
119	Imaging prediction of isocitrate dehydrogenase (IDH) mutation in patients with glioma: a systemic review and meta-analysis. <i>European Radiology</i> , 2019 , 29, 745-758	8	48
118	2-Hydroxyglutarate MR spectroscopy for prediction of isocitrate dehydrogenase mutant glioma: a systemic review and meta-analysis using individual patient data. <i>Neuro-Oncology</i> , 2018 , 20, 1573-1583	1	47
117	Radiomic features and multilayer perceptron network classifier: a robust MRI classification strategy for distinguishing glioblastoma from primary central nervous system lymphoma. <i>Scientific Reports</i> , 2019 , 9, 5746	4.9	46
116	Multiple cerebral microbleeds in hyperacute ischemic stroke: impact on prevalence and severity of early hemorrhagic transformation after thrombolytic treatment. <i>American Journal of Roentgenology</i> , 2006 , 186, 1443-9	5.4	46
115	Pseudoprogression in Patients with Glioblastoma: Assessment by Using Volume-weighted Voxel-based Multiparametric Clustering of MR Imaging Data in an Independent Test Set. <i>Radiology</i> , 2015 , 275, 792-802	20.5	44
114	Histogram Analysis of Amide Proton Transfer Imaging to Identify Contrast-enhancing Low-Grade Brain Tumor That Mimics High-Grade Tumor: Increased Accuracy of MR Perfusion. <i>Radiology</i> , 2015 , 277, 151-61	20.5	44

113	A systematic review reporting quality of radiomics research in neuro-oncology: toward clinical utility and quality improvement using high-dimensional imaging features. <i>BMC Cancer</i> , 2020 , 20, 29	4.8	43
112	Diffusion- and perfusion-weighted MRI radiomics model may predict isocitrate dehydrogenase (IDH) mutation and tumor aggressiveness in diffuse lower grade glioma. <i>European Radiology</i> , 2020 , 30, 2142-2151	8	43
111	Radiomics as a Quantitative Imaging Biomarker: Practical Considerations and the Current Standpoint in Neuro-oncologic Studies. <i>Nuclear Medicine and Molecular Imaging</i> , 2018 , 52, 99-108	1.9	42
110	Alveolar soft-part sarcoma of the head and neck: clinical and imaging features in five cases. <i>American Journal of Neuroradiology</i> , 2005 , 26, 1331-5	4.4	41
109	MRI Findings in Tumefactive Demyelinating Lesions: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1643-1649	4.4	30
108	Progression of middle cerebral artery susceptibility sign on T2*-weighted images: its effect on recanalization and clinical outcome after thrombolysis. <i>American Journal of Roentgenology</i> , 2006 , 187, W650-7	5.4	29
107	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	4.9	28
106	Advanced imaging parameters improve the prediction of diffuse lower-grade gliomas subtype, IDH mutant with no 1p19q codeletion: added value to the T2/FLAIR mismatch sign. <i>European Radiology</i> , 2020 , 30, 844-854	8	28
105	Alteration of long-distance functional connectivity and network topology in patients with supratentorial gliomas. <i>Neuroradiology</i> , 2016 , 58, 311-20	3.2	27
104	Emerging Techniques in Brain Tumor Imaging: What Radiologists Need to Know. <i>Korean Journal of Radiology</i> , 2016 , 17, 598-619	6.9	27
103	The utility of susceptibility-weighted imaging for differentiating Parkinsonism-predominant multiple system atrophy from Parkinson disease: correlation with 18F-fluorodeoxyglucose positron-emission tomography. <i>Neuroscience Letters</i> , 2015 , 584, 296-301	3.3	26
102	Comparison of Apparent Diffusion Coefficient and Intravoxel Incoherent Motion for Differentiating among Glioblastoma, Metastasis, and Lymphoma Focusing on Diffusion-Related Parameter. <i>PLoS ONE</i> , 2015 , 10, e0134761	3.7	26
101	MRI as a diagnostic biomarker for differentiating primary central nervous system lymphoma from glioblastoma: A systematic review and meta-analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 560-572	5.6	26
100	Comparison of High-Resolution MR Imaging and Digital Subtraction Angiography for the Characterization and Diagnosis of Intracranial Artery Disease. <i>American Journal of Neuroradiology</i> , 2016 , 37, 2245-2250	4.4	25
99	Different diagnostic values of imaging parameters to predict pseudoprogression in glioblastoma subgroups stratified by MGMT promoter methylation. <i>European Radiology</i> , 2017 , 27, 255-266	8	24
98	Shear Wave Elastography as a Quantitative Biomarker of Clinically Significant Portal Hypertension: A Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , 2018 , 210, W185-W195	5.4	23
97	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. <i>Journal of Neuro-Oncology</i> , 2016 , 128, 185-94	4.8	23
96	Radiomics prognostication model in glioblastoma using diffusion- and perfusion-weighted MRI. <i>Scientific Reports</i> , 2020 , 10, 4250	4.9	21

95	Up to 52 administrations of macrocyclic ionic MR contrast agent are not associated with intracranial gadolinium deposition: Multifactorial analysis in 385 patients. <i>PLoS ONE</i> , 2017 , 12, e0183916	3.7	21
94	Perfusion MRI as a diagnostic biomarker for differentiating glioma from brain metastasis: a systematic review and meta-analysis. <i>European Radiology</i> , 2018 , 28, 3819-3831	8	20
93	Diffusion-Weighted Imaging and Diffusion Tensor Imaging for Differentiating High-Grade Glioma from Solitary Brain Metastasis: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1208-1214	4.4	19
92	Comparison of 3D magnetic resonance imaging and digital subtraction angiography for intracranial artery stenosis. <i>European Radiology</i> , 2017 , 27, 4737-4746	8	18
91	Diminished Quality of Life and Increased Brain Functional Connectivity in Patients with Hypothyroidism After Total Thyroidectomy. <i>Thyroid</i> , 2016 , 26, 641-9	6.2	18
90	Prediction of Core Signaling Pathway by Using Diffusion- and Perfusion-based MRI Radiomics and Next-generation Sequencing in Isocitrate Dehydrogenase Wild-type Glioblastoma. <i>Radiology</i> , 2020 , 294, 388-397	20.5	18
89	Amide proton transfer imaging seems to provide higher diagnostic performance in post-treatment high-grade gliomas than methionine positron emission tomography. <i>European Radiology</i> , 2018 , 28, 3285-3295	8.3	17
88	Uninterpretable Dynamic Susceptibility Contrast-Enhanced Perfusion MR Images in Patients with Post-Treatment Glioblastomas: Cross-Validation of Alternative Imaging Options. <i>PLoS ONE</i> , 2015 , 10, e0136380	3.7	17
87	CT indices for the diagnosis of hepatic steatosis using non-enhanced CT images: development and validation of diagnostic cut-off values in a large cohort with pathological reference standard. <i>European Radiology</i> , 2019 , 29, 4427-4435	8	17
86	Spontaneous and Unruptured Chronic Intracranial Artery Dissection : High-resolution Magnetic Resonance Imaging Findings. <i>Clinical Neuroradiology</i> , 2018 , 28, 171-181	2.7	16
85	Neural substrates of motor and non-motor symptoms in Parkinson disease: a resting FMRI study. <i>PLoS ONE</i> , 2015 , 10, e0125455	3.7	16
84	Deep Learning Algorithm for Automated Segmentation and Volume Measurement of the Liver and Spleen Using Portal Venous Phase Computed Tomography Images. <i>Korean Journal of Radiology</i> , 2020 , 21, 987-997	6.9	16
83	Amide proton transfer-weighted MRI in distinguishing high- and low-grade gliomas: a systematic review and meta-analysis. <i>Neuroradiology</i> , 2019 , 61, 525-534	3.2	15
82	Multiparametric MRI as a potential surrogate endpoint for decision-making in early treatment response following concurrent chemoradiotherapy in patients with newly diagnosed glioblastoma: a systematic review and meta-analysis. <i>European Radiology</i> , 2018 , 28, 2628-2638	8	15
81	False-Positive Measurement at 2-Hydroxyglutarate MR Spectroscopy in Isocitrate Dehydrogenase Wild-Type Glioblastoma: A Multifactorial Analysis. <i>Radiology</i> , 2019 , 291, 752-762	20.5	14
80	Primary Central Nervous System Lymphoma: Diagnostic Yield of Whole-Body CT and FDG PET/CT for Initial Systemic Imaging. <i>Radiology</i> , 2019 , 292, 440-446	20.5	14
79	Radiomics in peritumoral non-enhancing regions: fractional anisotropy and cerebral blood volume improve prediction of local progression and overall survival in patients with glioblastoma. <i>Neuroradiology</i> , 2019 , 61, 1261-1272	3.2	13
78	Differences in dynamic and static functional connectivity between young and elderly healthy adults. <i>Neuroradiology</i> , 2017 , 59, 781-789	3.2	13

77	Radiomics and Deep Learning from Research to Clinical Workflow: Neuro-Oncologic Imaging. <i>Korean Journal of Radiology</i> , 2020 , 21, 1126-1137	6.9	13
76	Quantitative Analysis Using High-Resolution 3T MRI in Acute Intracranial Artery Dissection. <i>Journal of Neuroimaging</i> , 2016 , 26, 612-617	2.8	13
75	The Korean Society for Neuro-Oncology (KSNO) Guideline for Glioblastomas: Version 2018.01. <i>Brain Tumor Research and Treatment</i> , 2019 , 7, 1-9	1.4	12
74	Identification of Early Response to Anti-Angiogenic Therapy in Recurrent Glioblastoma: Amide Proton Transfer-weighted and Perfusion-weighted MRI compared with Diffusion-weighted MRI. <i>Radiology</i> , 2020 , 295, 397-406	20.5	12
73	Which is the best advanced MR imaging protocol for predicting recurrent metastatic brain tumor following gamma-knife radiosurgery: focused on perfusion method. <i>Neuroradiology</i> , 2015 , 57, 367-76	3.2	12
72	Extensive peritumoral edema and brain-to-tumor interface MRI features enable prediction of brain invasion in meningioma: development and validation. <i>Neuro-Oncology</i> , 2021 , 23, 324-333	1	12
71	Differentiation of Recurrent Glioblastoma from Delayed Radiation Necrosis by Using Voxel-based Multiparametric Analysis of MR Imaging Data. <i>Radiology</i> , 2017 , 285, 206-213	20.5	11
70	Clinically Relevant Imaging Features for Promoter Methylation in Multiple Glioblastoma Studies: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1439-1445	4.4	10
69	Diagnostic Yield of Staging Brain MRI in Patients with Newly Diagnosed Non-Small Cell Lung Cancer. <i>Radiology</i> , 2020 , 297, 419-427	20.5	10
68	Reliability of fast magnetic resonance imaging for acute ischemic stroke patients using a 1.5-T scanner. <i>European Radiology</i> , 2019 , 29, 2641-2650	8	10
67	Thin-Slice Pituitary MRI with Deep Learning-based Reconstruction: Diagnostic Performance in a Postoperative Setting. <i>Radiology</i> , 2021 , 298, 114-122	20.5	10
66	Apparent diffusion coefficient parametric response mapping MRI for follow-up of glioblastoma. <i>European Radiology</i> , 2016 , 26, 1037-47	8	9
65	Recurrent Glioblastoma: Combination of High Cerebral Blood Flow with MGMT Promoter Methylation Is Associated with Benefit from Low-Dose Temozolomide Rechallenge at First Recurrence. <i>Radiology</i> , 2017 , 282, 212-221	20.5	9
64	Comparison of MRI and PET as Potential Surrogate Endpoints for Treatment Response After Stereotactic Radiosurgery in Patients With Brain Metastasis. <i>American Journal of Roentgenology</i> , 2018 , 211, 1332-1341	5.4	9
63	Improved Diagnostic Accuracy of Alzheimer's Disease by Combining Regional Cortical Thickness and Default Mode Network Functional Connectivity: Validated in the Alzheimer's Disease Neuroimaging Initiative Set. <i>Korean Journal of Radiology</i> , 2017 , 18, 983-991	6.9	8
62	Supratentorial gangliocytoma mimicking extra-axial tumor: a report of two cases. <i>Korean Journal of Radiology</i> , 2001 , 2, 108-12	6.9	8
61	Prognostic relevance of gemistocytic grade II astrocytoma: gemistocytic component and MR imaging features compared to non-gemistocytic grade II astrocytoma. <i>European Radiology</i> , 2017 , 27, 3022-3032	8	7
60	Clinical Value of Vascular Permeability Estimates Using Dynamic Susceptibility Contrast MRI: Improved Diagnostic Performance in Distinguishing Hypervascular Primary CNS Lymphoma from Glioblastoma. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1415-1422	4.4	7

59	Development and Validation of a Deep Learning-Based Model to Distinguish Glioblastoma from Solitary Brain Metastasis Using Conventional MR Images. <i>American Journal of Neuroradiology</i> , 2021 , 42, 838-844	4.4	7
58	The "Central Vein Sign" on T2*-weighted Images as a Diagnostic Tool in Multiple Sclerosis: A Systematic Review and Meta-analysis using Individual Patient Data. <i>Scientific Reports</i> , 2019 , 9, 18188	4.9	7
57	Intracranial Artery Steno-Occlusion: Diagnosis by Using Two-dimensional Spatially Selective Radiofrequency Excitation Pulse MR Imaging. <i>Radiology</i> , 2017 , 284, 834-843	20.5	6
56	Permeability measurement using dynamic susceptibility contrast magnetic resonance imaging enhances differential diagnosis of primary central nervous system lymphoma from glioblastoma. <i>European Radiology</i> , 2019 , 29, 5539-5548	8	6
55	Joint approach based on clinical and imaging features to distinguish non-neoplastic from neoplastic pituitary stalk lesions. <i>PLoS ONE</i> , 2017 , 12, e0187989	3.7	6
54	Pre-Operative Perfusion Skewness and Kurtosis Are Potential Predictors of Progression-Free Survival after Partial Resection of Newly Diagnosed Glioblastoma. <i>Korean Journal of Radiology</i> , 2016 , 17, 117-26	6.9	6
53	Comparison of Survival Outcomes Between Partial Resection and Biopsy for Primary Glioblastoma: A Propensity Score-Matched Study. <i>World Neurosurgery</i> , 2019 , 121, e858-e866	2.1	6
52	Repeatability of amide proton transfer-weighted signals in the brain according to clinical condition and anatomical location. <i>European Radiology</i> , 2020 , 30, 346-356	8	6
51	The T2-FLAIR mismatch sign as a predictor of IDH-mutant, 1p/19q-noncodeleted lower-grade gliomas: a systematic review and diagnostic meta-analysis. <i>European Radiology</i> , 2021 , 31, 5289-5299	8	6
50	Three-dimensional fluid-attenuated inversion recovery sequence for visualisation of subthalamic nucleus for deep brain stimulation in Parkinson's disease. <i>Neuroradiology</i> , 2015 , 57, 929-35	3.2	5
49	A Good Practice-Compliant Clinical Trial Imaging Management System for Multicenter Clinical Trials: Development and Validation Study. <i>JMIR Medical Informatics</i> , 2019 , 7, e14310	3.6	5
48	Radiological Recurrence Patterns after Bevacizumab Treatment of Recurrent High-Grade Glioma: A Systematic Review and Meta-Analysis. <i>Korean Journal of Radiology</i> , 2020 , 21, 908-918	6.9	5
47	Immune Checkpoint Inhibitors with or without Radiotherapy in Non-Small Cell Lung Cancer Patients with Brain Metastases: A Systematic Review and Meta-Analysis. <i>Diagnostics</i> , 2020 , 10,	3.8	5
46	The Incidence of Epstein-Barr Virus-Positive Diffuse Large B-Cell Lymphoma: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2021 , 13,	6.6	5
45	Spatiotemporal Heterogeneity in Multiparametric Physiologic MRI Is Associated with Patient Outcomes in IDH-Wildtype Glioblastoma. <i>Clinical Cancer Research</i> , 2021 , 27, 237-245	12.9	5
44	Immune Checkpoint Inhibitor with or without Radiotherapy in Melanoma Patients with Brain Metastases: A Systematic Review and Meta-Analysis. <i>Korean Journal of Radiology</i> , 2021 , 22, 584-595	6.9	5
43	Neuroimaging Findings in Patients with COVID-19: A Systematic Review and Meta-Analysis. <i>Korean Journal of Radiology</i> , 2021 , 22, 1875-1885	6.9	5
42	Clinical impact of preoperative brain MR angiography and MR imaging in candidates for liver transplantation: a propensity score-matching study in a single institution. <i>European Radiology</i> , 2017 , 27, 3532-3541	8	4

41	The Korean Society for Neuro-Oncology (KSNO) Guideline for WHO Grade II Cerebral Gliomas in Adults: Version 2019.01. <i>Brain Tumor Research and Treatment</i> , 2019 , 7, 74-84	1.4	4
40	Development and Validation of a Simple Index Based on Non-Enhanced CT and Clinical Factors for Prediction of Non-Alcoholic Fatty Liver Disease. <i>Korean Journal of Radiology</i> , 2020 , 21, 413-421	6.9	4
39	Survival outcome and prognostic factors in anaplastic oligodendroglioma: a single-institution study of 95 cases. <i>Scientific Reports</i> , 2020 , 10, 20162	4.9	4
38	Deep-learned time-signal intensity pattern analysis using an autoencoder captures magnetic resonance perfusion heterogeneity for brain tumor differentiation. <i>Scientific Reports</i> , 2020 , 10, 21485	4.9	4
37	Diffusion and perfusion MRI radiomics obtained from deep learning segmentation provides reproducible and comparable diagnostic model to human in post-treatment glioblastoma. <i>European Radiology</i> , 2021 , 31, 3127-3137	8	4
36	Diagnostic Yield of Body CT and Whole-Body FDG PET/CT for Initial Systemic Staging in Patients With Suspected Primary CNS Lymphoma: A Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , 2021 , 216, 1172-1182	5.4	4
35	Differentiation of recurrent glioblastoma from radiation necrosis using diffusion radiomics with machine learning model development and external validation. <i>Scientific Reports</i> , 2021 , 11, 2913	4.9	4
34	Perfusion of surgical cavity wall enhancement in early post-treatment MR imaging may stratify the time-to-progression in glioblastoma. <i>PLoS ONE</i> , 2017 , 12, e0181933	3.7	3
33	Depiction of Acute Stroke Using 3-Tesla Clinical Amide Proton Transfer Imaging: Saturation Time Optimization Using an in vivo Rat Stroke Model, and a Preliminary Study in Human 2017 , 21, 65		3
32	A National Consensus Survey for Current Practice in Brain Tumor Management I: Antiepileptic Drug and Steroid Usage. <i>Brain Tumor Research and Treatment</i> , 2020 , 8, 1-10	1.4	3
31	The Korean Society for Neuro-Oncology (KSNO) Guideline for WHO Grade III Cerebral Gliomas in Adults: Version 2019.01. <i>Brain Tumor Research and Treatment</i> , 2019 , 7, 63-73	1.4	3
30	Deep learning-based thin-section MRI reconstruction improves tumour detection and delineation in pre- and post-treatment pituitary adenoma. <i>Scientific Reports</i> , 2021 , 11, 21302	4.9	3
29	Pretreatment brain volumes can affect the effectiveness of deep brain stimulation in Parkinson disease patients. <i>Scientific Reports</i> , 2020 , 10, 22065	4.9	3
28	Magnetic Resonance Imaging Parameters for Noninvasive Prediction of Epidermal Growth Factor Receptor Amplification in Isocitrate Dehydrogenase-Wild-Type Lower-Grade Gliomas: A Multicenter Study. <i>Neurosurgery</i> , 2021 , 89, 257-265	3.2	3
27	Generative adversarial network for glioblastoma ensures morphologic variations and improves diagnostic model for isocitrate dehydrogenase mutant type. <i>Scientific Reports</i> , 2021 , 11, 9912	4.9	3
26	Immune checkpoint inhibitor therapy may increase the incidence of treatment-related necrosis after stereotactic radiosurgery for brain metastases: a systematic review and meta-analysis. <i>European Radiology</i> , 2021 , 31, 4114-4129	8	3
25	Liver-to-Spleen Volume Ratio Automatically Measured on CT Predicts Decompensation in Patients with B Viral Compensated Cirrhosis. <i>Korean Journal of Radiology</i> , 2021 , 22, 1985-1995	6.9	3
24	Amide proton transfer-weighted MRI can detect tissue acidosis and monitor recovery in a transient middle cerebral artery occlusion model compared with a permanent occlusion model in rats. <i>European Radiology</i> , 2019 , 29, 4096-4104	8	2

23	Perilesional and homotopic area activation during proverb comprehension after stroke. <i>Brain and Behavior</i> , 2019 , 9, e01202	3.4	2
22	Cerebellar Hemangioblastoma: Diagnostic Yield of Contrast-Enhanced Abdominal CT and Whole-Spine MRI as Initial Screening Imaging. <i>American Journal of Roentgenology</i> , 2020 , 215, 706-712	5.4	2
21	Low conductivity on electrical properties tomography demonstrates unique tumor habitats indicating progression in glioblastoma. <i>European Radiology</i> , 2021 , 31, 6655-6665	8	2
20	The Korean Society for Neuro-Oncology (KSNO) Guideline for Adult Diffuse Midline Glioma: Version 2021.1. <i>Brain Tumor Research and Treatment</i> , 2021 , 9, 1-8	1.4	2
19	Vessel Type Determined by Vessel Architectural Imaging Improves Differentiation between Early Tumor Progression and Pseudoprogression in Glioblastoma. <i>American Journal of Neuroradiology</i> , 2021 , 42, 663-670	4.4	2
18	Joint approach of diffusion- and perfusion-weighted MRI in intra-axial mass like lesions in clinical practice simulation. <i>PLoS ONE</i> , 2018 , 13, e0202891	3.7	2
17	Tumor habitat analysis by magnetic resonance imaging distinguishes tumor progression from radiation necrosis in brain metastases after stereotactic radiosurgery. <i>European Radiology</i> , 2022 , 32, 497-507	8	2
16	Comparative Value of 2-Hydroxyglutarate-to-Lipid and Lactate Ratio versus 2-Hydroxyglutarate Concentration on MR Spectroscopic Images for Predicting Isocitrate Dehydrogenase Mutation Status in Gliomas. <i>Radiology Imaging Cancer</i> , 2020 , 2, e190083	1.4	1
15	A National Consensus Survey for Current Practice in Brain Tumor Management II: Diffuse Midline Glioma and Meningioma. <i>Brain Tumor Research and Treatment</i> , 2020 , 8, 11-19	1.4	1
14	A National Consensus Survey for Current Practice in Brain Tumor Management III: Brain Metastasis and Primary Central Nervous System Lymphoma. <i>Brain Tumor Research and Treatment</i> , 2020 , 8, 20-28	1.4	1
13	Optimized Image-Based Surrogate Endpoints in Targeted Therapies for Glioblastoma: A Systematic Review and Meta-Analysis of Phase III Randomized Controlled Trials. <i>Korean Journal of Radiology</i> , 2020 , 21, 471-482	6.9	1
12	Comparison of Dynamic Contrast-Enhancement Parameters between Gadobutrol and Gadoterate Meglumine in Posttreatment Glioma: A Prospective Intraindividual Study. <i>American Journal of Neuroradiology</i> , 2020 , 41, 2041-2048	4.4	1
11	The Korean Society for Neuro-Oncology (KSNO) Guideline for Antiepileptic Drug Usage of Brain Tumor: Version 2021.1. <i>Brain Tumor Research and Treatment</i> , 2021 , 9, 9-15	1.4	1
10	Spatiotemporal habitats from multiparametric physiologic MRI distinguish tumor progression from treatment-related change in post-treatment glioblastoma. <i>European Radiology</i> , 2021 , 31, 6374-6383	8	1
9	Development of Brain Metastases in Patients With Non-Small Cell Lung Cancer and No Brain Metastases at Initial Staging Evaluation: Cumulative Incidence and Risk Factor Analysis. <i>American Journal of Roentgenology</i> , 2021 , 217, 1184-1193	5.4	1
8	Current Applications and Future Perspectives of Brain Tumor Imaging. <i>Journal of the Korean Society of Radiology</i> , 2020 , 81, 467	0.2	0
7	Reproducible imaging-based prediction of molecular subtype and risk stratification of gliomas across different experience levels using a structured reporting system. <i>European Radiology</i> , 2021 , 31, 7374-7385	8	0
6	NIMG-19. SYNTHETIC ISOCITRATE DEHYDROGENASE-MUTANT GLIOBLASTOMAS FROM GENERATIVE ADVERSARIAL NETWORK PROVIDE MORPHOLOGIC VARIABILITY AND DIAGNOSTIC PERFORMANCE SIMILAR TO REAL DATA: DEVELOPMENT AND VALIDATION. <i>Neuro-Oncology</i> , 2021 , 23, vi121-vi122	1	

- 5 NIMG-03. TUMOR HABITAT ANALYSIS BY MAGNETIC RESONANCE IMAGING DISTINGUISHES TUMOR PROGRESSION FROM RADIATION NECROSIS IN BRAIN METASTASES AFTER STEREOTACTIC RADIOSURGERY. *Neuro-Oncology*, **2021**, 23, vi127-vi127 1
- 4 Benign and Malignant Tracheobronchial Strictures: Long Term Follow-up of Treatment with Polyurethane-Covered Retrievable Expandable Nitinol Stents strictures. *Journal of the Korean Radiological Society*, **2001**, 44, 29
- 3 Usefulness of CT Scan in Differentiation of T2 from T3a in Renal Cell Carcinoma. *Journal of the Korean Radiological Society*, **2001**, 44, 721
- 2 Refinement of response assessment in neuro-oncology (RANO) using non-enhancing lesion type and contrast enhancement evolution pattern in IDH wild-type glioblastomas. *BMC Cancer*, **2021**, 21, 654^{4.8}
- 1 Contrast enhancing pattern on pre-treatment MRI predicts response to anti-angiogenic treatment in recurrent glioblastoma: comparison of bevacizumab and temozolomide treatment.. *Journal of Neuro-Oncology*, **2022**, 1 4.8