Woo Hyun Shim

List of Publications by Year
in descending order

64 papers	1,466 citations	471509 17 h-index	361022 35 g-index
67 all docs	67 docs citations	67 times ranked	2594 citing authors

#	Article	IF	Citations
1	A Computer-Aided Diagnosis System Using Artificial Intelligence for the Diagnosis and Characterization of Thyroid Nodules on Ultrasound: Initial Clinical Assessment. Thyroid, 2017, 27, 546-552.	4.5	160
2	Development and Validation of a Deep Learning System for Staging Liver Fibrosis by Using Contrast Agentâ€“enhanced CT Images in the Liver. Radiology, 2018, 289, 688-697.	7.3	153
3	Incorporating diffusion- and perfusion-weighted MRI into a radiomics model improves diagnostic performance for pseudoprogression in glioblastoma patients. Neuro-Oncology, 2019, 21, 404-414.	1.2	153
4	Computerized Bone Age Estimation Using Deep Learning Based Program: Evaluation of the Accuracy and Efficiency. American Journal of Roentgenology, 2017, 209, 1374-1380.	2.2	107
5	Radiomics Analysis of Gadoxetic Acidâ€“enhanced MRI for Staging Liver Fibrosis. Radiology, 2019, 290, 380-387.	7.3	89
6	Added value of amide proton transfer imaging to conventional and perfusion MR imaging for evaluating the treatment response of newly diagnosed glioblastoma. European Radiology, 2016, 26, 4390-4403.	4.5	70
7	Virtual Touch Tissue Imaging Quantification Shear Wave Elastography: Prospective Assessment of Cervical Lymph Nodes. Ultrasound in Medicine and Biology, 2016, 42, 378-386.	1.5	40
8	Development and Validation of a Deep Learningâ€“Based Automatic Brain Segmentation and Classification Algorithm for Alzheimer Disease Using 3D T1-Weighted Volumetric Images. American Journal of Neuroradiology, 2020, 41, 2227-2234.	2.4	37
9	Web-Based Malignancy Risk Estimation for Thyroid Nodules Using Ultrasonography Characteristics: Development and Validation of a Predictive Model. Thyroid, 2015, 25, 1306-1312.	4.5	36
10	Alteration of long-distance functional connectivity and network topology in patients with supratentorial gliomas. Neuroradiology, 2016, 58, 311-320.	2.2	36
11	Coreâ€needle biopsy versus repeat fineâ€needle aspiration for thyroid nodules initially read as atypia/follicular lesion of undetermined significance. Head and Neck, 2017, 39, 361-369.	2.0	36
12	Comparison of Apparent Diffusion Coefficient and Intravoxel Incoherent Motion for Differentiating among Glioblastoma, Metastasis, and Lymphoma Focusing on Diffusion-Related Parameter. PLoS ONE, 2015, 10, e0134761.	2.5	35
13	Measurement of arterial transit time and renal blood flow using pseudocontinuous ASL MRI with multiple postâ€labeling delays: Feasibility, reproducibility, and variation. Journal of Magnetic Resonance Imaging, 2017, 46, 813-819.	3.4	33
14	Different diagnostic values of imaging parameters to predict pseudoprogression in glioblastoma subgroups stratified by MGMT promoter methylation. European Radiology, 2017, 27, 255-266.	4.5	32
15	Up to 52 administrations of macrocyclic ionic MR contrast agent are not associated with intracranial gadolinium deposition: Multifactorial analysis in 385 patients. PLoS ONE, 2017, 12, e0183916.	2.5	27
16	Differences in dynamic and static functional connectivity between young and elderly healthy adults. Neuroradiology, 2017, 59, 781-789.	2.2	24
17	Early treadmill exercise increases macrophage migration inhibitory factor expression after cerebral ischemia/reperfusion. Neural Regeneration Research, 2019, 14, 1230.	3.0	22
18	Contribution of Zinc-Dependent Delayed Calcium Influx via TRPC5 in Oxidative Neuronal Death and its Prevention by Novel TRPC Antagonist. Molecular Neurobiology, 2019, 56, 2822-2835.	4.0	20

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19	De-Identification of Facial Features in Magnetic Resonance Images: Software Development Using Deep Learning Technology. Journal of Medical Internet Research, 2020, 22, e22739.	4.3	19
20	Differentiation of Recurrent Glioblastoma from Delayed Radiation Necrosis by Using Voxel-based Multiparametric Analysis of MR Imaging Data. Radiology, 2017, 285, 206-213.	7.3	18
21	Utility of 7 Tesla Magnetic Resonance Imaging in Patients With Epilepsy: A Systematic Review and Meta-Analysis. Frontiers in Neurology, 2021, 12, 621936.	2.4	17
22	Diagnostic performance and interobserver agreement of the callosal angle and Evansâ€™ index in idiopathic normal pressure hydrocephalus: a systematic review and meta-analysis. European Radiology, 2021, 31, 5300-5311.	4.5	15
23	Development and validation of a deep-learning-based pediatric early warning system: A single-center study. Biomedical Journal, 2022, 45, 155-168.	3.1	15
24	Quantitative Computed Tomography Features for Predicting Tumor Recurrence in Patients with Surgically Resected Adenocarcinoma of the Lung. PLoS ONE, 2017, 12, e0167955.	2.5	15
25	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. Korean Journal of Radiology, 2017, 18, 983.	3.4	12
26	Diagnostic Yield of Diffusion-Weighted Brain Magnetic Resonance Imaging in Patients with Transient Global Amnesia: A Systematic Review and Meta-Analysis. Korean Journal of Radiology, 2021, 22, 1680.	3.4	12
27	Altered Structural Network in Newly Onset Childhood Absence Epilepsy. Journal of Clinical		

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37	Diagnostic value of diffusion-weighted brain magnetic resonance imaging in patients with sporadic Creutzfeldt-Jakob disease: a systematic review and meta-analysis. European Radiology, 2021, 31, 9073-9085.	4.5	9
38	Impact of Brain MRI on the Diagnosis of Infective Endocarditis and Treatment Decisions: Systematic Review and Meta-Analysis. American Journal of Roentgenology, 2022, 218, 958-968.	2.2	9
39	Diagnostic performance of the medial temporal lobe atrophy scale in patients with Alzheimerâ€™s disease: a systematic review and meta-analysis. European Radiology, 2021, 31, 9060-9072.	4.5	8
40	Pretreatment brain volumes can affect the effectiveness of deep brain stimulation in Parkinson's disease patients. Scientific Reports, 2020, 10, 22065.	3.3	8
41	Neurochemical Changes Associated with Stress-Induced Sleep Disturbance in Rats: In Vivo and In Vitro Measurements. PLoS ONE, 2016, 11, e0153346.	2.5	7
42	Mammographically occult breast cancers detected with AI-based diagnosis supporting software: clinical and histopathologic characteristics. Insights Into Imaging, 2022, 13, 57.	3.4	7
43	Intra-individual correlations between quantitative THK-5351 PET and MRI-derived cortical volume in Alzheimerâ€™s disease differ according to disease severity and amyloid positivity. PLoS ONE, 2019, 14, e0226265.	2.5	6
44	Diagnostic performance of loss of nigral hyperintensity on susceptibility-weighted imaging in parkinsonism: an updated meta-analysis. European Radiology, 2021, 31, 6342-6352.	4.5	6
45	Diagnostic performance of T2* gradient echo, susceptibility-weighted imaging, and quantitative susceptibility mapping for patients with multiple system atrophyâ€“parkinsonian type: a systematic review and meta-analysis. European Radiology, 2022, 32, 308-318.	4.5	6
46	Diagnostic performance of hippocampal volumetry in Alzheimerâ€™s disease or mild cognitive impairment: a meta-analysis. European Radiology, 2022, 32, 6979-6991.	4.5	6
47	Prognostic value of diffusion-weighted imaging in patients with newly diagnosed sporadic Creutzfeldt-Jakob disease. European Radiology, 2021, , 1.	4.5	5
48	Diagnostic Performance of the Magnetic Resonance Parkinsonism Index in Differentiating Progressive Supranuclear Palsy from Parkinsonâ€™s Disease: An Updated Systematic Review and Meta-Analysis. Diagnostics, 2022, 12, 12.	2.6	5
49	Comparison of Core-Needle Biopsy and Fine-Needle Aspiration for Evaluating Thyroid Incidentalomas Detected by ¹⁸F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography: A Propensity Score Analysis. Thyroid, 2017, 27, 1258-1266.	4.5	4
50	Influence of B1-Inhomogeneity on Pharmacokinetic Modeling of Dynamic Contrast-Enhanced MRI: A Simulation Study. Korean Journal of Radiology, 2017, 18, 585.	3.4	4
51	Perilesional and homotopic area activation during proverb comprehension after stroke. Brain and Behavior, 2019, 9, e01202.	2.2	4
52	Association between ARID2 and RAS-MAPK pathway in intellectual disability and short stature. Journal of Medical Genetics, 2021, 58, 767-777.	3.2	4
53	Comparison of Dynamic Contrast-Enhancement Parameters between Gadobutrol and Gadoterate Meglumine in Posttreatment Glioma: A Prospective Intraindividual Study. American Journal of Neuroradiology, 2020, 41, 2041-2048.	2.4	4
54	Extrahippocampal Radiomics Analysis Can Potentially Identify Laterality in Patients With MRI-Negative Temporal Lobe Epilepsy. Frontiers in Neurology, 2021, 12, 706576.	2.4	4

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55	Diagnostic yield of MR myelography in patients with newly diagnosed spontaneous intracranial hypotension: a systematic review and meta-analysis. European Radiology, 2022, 32, 7843-7853.	4.5	4
56	Perfusion of surgical cavity wall enhancement in early post-treatment MR imaging may stratify the time-to-progression in glioblastoma. PLoS ONE, 2017, 12, e0181933.	2.5	3
57	Webâ€based thyroid imaging reporting and data system: Malignancy risk of atypia of undetermined significance or follicular lesion of undetermined significance thyroid nodules calculated by a combination of ultrasonography features and biopsy results. Head and Neck, 2018, 40, 1917-1925.	2.0	3
58	Role of White Matter Abnormalities in the Relationship Between Microbleed Burden and Cognitive Impairment in Cerebral Amyloid Angiopathy. Journal of Alzheimer's Disease, 2022, 86, 667-678.	2.6	3
59	Clinical Features and Brain MRI Findings in Korean Patients with AGel Amyloidosis. Yonsei Medical Journal, 2021, 62, 431.	2.2	2
60	Brain MRI-Based Artificial Intelligence Software in Patients with Neurodegenerative Diseases: Current Status. Journal of the Korean Society of Radiology, 2022, 83, 473.	0.2	2
61	Hyperoxia-Induced Î”R ₁. Stroke, 2018, 49, 3012-3019.	2.0	1
62	Assessing Renal Ischemia/Reperfusion Injury in Mice Using Time-Dependent BOLD and DTI at 9.4ÂT. Applied Magnetic Resonance, 2015, 46, 709-722.	1.2	0
63	[P3â€“330]: COMPARISON OF QUANTITATIVE TAU DEPOSITION ON THKâ€5351 PET IMAGING AND HIPPOCAMPAL VOLUME IN DIAGNOSIS OF ALZHEIMER's DISEASE SPECTRUM. Alzheimer's and Dementia, 2017, 13, P1077.	0.8	0
64	Dissociative Language Representation in a Patient with Schizencephaly. European Neurology, 2020, 83, 534-535.	1.4	0