

# Won-Jin Moon

## List of Publications by Year in descending order

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Version: 2024-02-01

116  
papers

5,420  
citations

136885

32  
h-index

88593

70  
g-index

118  
all docs

118  
docs citations

118  
times ranked

6152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sarcopenia in patients with dementia: correlation of temporalis muscle thickness with appendicular muscle mass. <i>Neurological Sciences</i> , 2022, 43, 3089-3095.	0.9	11
2	Magnetic susceptibility in the deep gray matter may be modulated by apolipoprotein E4 and age with regional predilections: a quantitative susceptibility mapping study. <i>Neuroradiology</i> , 2022, , 1.	1.1	5
3	Relationship Between Ipsilesional Upper Extremity Motor Function and Corpus Callosum Integrity in Patients With Unilateral Stroke: A Diffusion Tensor Imaging Study. <i>Brain &amp; Neurorehabilitation</i> , 2022, 15, .	0.4	1
4	Correlation of Hemispatial Neglect with White Matter Tract Integrity: A DTI Study. <i>Brain &amp; Neurorehabilitation</i> , 2022, 15, .	0.4	1
5	Contrast-Enhanced Fluid-Attenuated Inversion Recovery in Neuroimaging: A Narrative Review on Clinical Applications and Technical Advances. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 341-353.	1.9	9
6	Brain myelin water fraction is associated with APOE4 allele status in patients with cognitive impairment. <i>Journal of Neuroimaging</i> , 2022, 32, 521-529.	1.0	3
7	Unsupervised resolution-agnostic quantitative susceptibility mapping using adaptive instance normalization. <i>Medical Image Analysis</i> , 2022, 79, 102477.	7.0	5
8	Choroid Plexus Volume and Permeability at Brain MRI within the Alzheimer Disease Clinical Spectrum. <i>Radiology</i> , 2022, 304, 635-645.	3.6	55
9	An Enlarged Perivascular Space: Clinical Relevance and the Role of Imaging in Aging and Neurologic Disorders. <i>Journal of the Korean Society of Radiology</i> , 2022, 83, 538.	0.1	3
10	Preface for Imaging of Neurodegenerative Diseases: Current Status and Recent Updates. <i>Journal of the Korean Society of Radiology</i> , 2022, 83, 451.	0.1	0
11	Hippocampal blood-brain barrier permeability is related to the APOE4 mutation status of elderly individuals without dementia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1351-1361.	2.4	29
12	Clinically Available Software for Automatic Brain Volumetry: Comparisons of Volume Measurements and Validation of Intermethod Reliability. <i>Korean Journal of Radiology</i> , 2021, 22, 405.	1.5	16
13	Comparison of Automated Brain Volume Measures by NeuroQuant vs. Freesurfer in Patients with Mild Cognitive Impairment: Effect of Slice Thickness. <i>Yonsei Medical Journal</i> , 2021, 62, 255.	0.9	13
14	Sex-Related Differences in Regional Blood-Brain Barrier Integrity in Non-Demented Elderly Subjects. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2860.	1.8	20
15	Evaluation of Reproducibility of Brain Volumetry between Commercial Software, Inbrain and		

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19	The Pattern of Use, Effectiveness, and Safety of Gadoteric Acid (Clariscan) in Patients Undergoing Contrast-Enhanced Magnetic Resonance Imaging: A Prospective, Multicenter, Observational Study. Contrast Media and Molecular Imaging, 2021, 2021, 1-8.	0.4	3
20	Role of Cortico-ponto-cerebellar Tract from Supplementary Motor Area in Ataxic Hemiparesis of Supratentorial Stroke Patients. Brain & Neurorehabilitation, 2021, 14, .	0.4	1
21	Assessing the importance of magnetic resonance contrasts using collaborative generative adversarial networks. Nature Machine Intelligence, 2020, 2, 34-42.	8.3	31
22	Blind Source Separation for Myelin Water Fraction Mapping Using Multi-Echo Gradient Echo Imaging. IEEE Transactions on Medical Imaging, 2020, 39, 2235-2245.	5.4	6
23	Comparison of Vendor-Provided Volumetry Software and NeuroQuant Using 3D T1-Weighted Images in Subjects with Cognitive Impairment: How Large is the Inter-Method Discrepancy?. Investigative Magnetic Resonance Imaging, 2020, 24, 76.	0.2	7
24	Concordance of Three International Guidelines for Thyroid Nodules Classified by Ultrasonography and Diagnostic Performance of Biopsy Criteria. Korean Journal of Radiology, 2020, 21, 108.	1.5	19
25	Alzheimer Dementia and Microvascular Pathology: Blood-Brain Barrier Permeability Imaging. Journal of the Korean Society of Radiology, 2020, 81, 488.	0.1	3
26	Altered Functional Brain Networks in Patients with Traumatic Anosmia: Resting-State Functional MRI Based on Graph Theoretical Analysis. Korean Journal of Radiology, 2019, 20, 1536.	1.5	10
27	Role of Muscle Profile in Alzheimer's Disease: A 3-Year Longitudinal Study. European Neurology, 2019, 81, 209-215.	0.6	3
28	Muscle Strength Is Independently Related to Brain Atrophy in Patients with Alzheimer's Disease. Dementia and Geriatric Cognitive Disorders, 2019, 47, 306-314.	0.7	27
29	Motor cortex hypointensity on susceptibility-weighted imaging: a potential imaging marker of iron accumulation in patients with cognitive impairment. Neuroradiology, 2019, 61, 675-683.	1.1	11
30	Gadolinium Deposition in the Brain: Current Updates. Korean Journal of Radiology, 2019, 20, 134.	1.5	121
31	Brain-State Extraction Algorithm Based on the State Transition (BEST): A Dynamic Functional Brain Network Analysis in fMRI Study. Brain Topography, 2019, 32, 897-913.	0.8	8
32	CollaGAN: Collaborative GAN for Missing Image Data Imputation. , 2019, , .		88
33	Methodologic Concerns on the Reported Values for Assessing Permeability of the Blood-Brain Barrier in the Hippocampus. American Journal of Neuroradiology, 2019, 40, E65-E66.	1.2	3
34	Myelin loss in white matter hyperintensities and normal-appearing white matter of cognitively impaired patients: a quantitative synthetic magnetic resonance imaging study. European Radiology, 2019, 29, 4914-4921.	2.3	30
35	Korean Clinical Imaging Guidelines for Diagnosis of Headache Based on the 2017 Evidence-Based Clinical Imaging Guidelines. Journal of the Korean Society of Radiology, 2019, 80, 880.	0.1	1
36	Diffusion Tensor Imaging of Scarring, Necrosis, and Cavitation Based on Histopathological Findings in Dogs with Chronic Spinal Cord Injury: Evaluation of Multiple Diffusion Parameters and Their Correlations with Histopathological Findings. Journal of Neurotrauma, 2018, 35, 1387-1397.	1.7	7

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37	Dynamic Susceptibility Contrast (DSC) Perfusion MR in the Prediction of Long-Term Survival of Glioblastomas (GBM): Correlation with MGMT Promoter Methylation and 1p/19q Deletions. Investigative Magnetic Resonance Imaging, 2018, 22, 158.	0.2	5
38	Functional MRI as an Objective Measure of Olfaction Deficit in Patients with Traumatic Anosmia. American Journal of Neuroradiology, 2018, 39, 2320-2325.	1.2	21
39	Diagnostic Performance of Ultrasound-Based Risk-Stratification Systems for Thyroid Nodules: Comparison of the 2015 American Thyroid Association Guidelines with the 2016 Korean Thyroid Association/Korean Society of Thyroid Radiology and 2017 American College of Radiology Guidelines. Thyroid, 2018, 28, 1532-1537.	2.4	91
40	Region-specific susceptibility change in cognitively impaired patients with diabetes mellitus. PLoS ONE, 2018, 13, e0205797.	1.1	10
41	Inter-Vendor and Inter-Session Reliability of Diffusion Tensor Imaging: Implications for Multicenter Clinical Imaging Studies. Korean Journal of Radiology, 2018, 19, 777.	1.5	10
42	Functional Magnetic Resonance Imaging to Evaluate Patient Satisfaction Following Bimaxillary Surgery: A Preliminary Study. Journal of the Korean Society of Radiology, 2018, 78, 412.	0.1	0
43	Diagnostic Efficacy of Structural MRI in Patients With Mild-to-Moderate Alzheimer Disease: Automated Volumetric Assessment Versus Visual Assessment. American Journal of Roentgenology, 2017, 208, 617-623.	1.0	29
44	Characterization of Chronic Axonal Degeneration Using Diffusion Tensor Imaging in Canine Spinal Cord Injury: A Quantitative Analysis of Diffusion Tensor Imaging Parameters According to Histopathological Differences. Journal of Neurotrauma, 2017, 34, 3041-3050.	1.7	13
45	Appropriate Minimal Dose of Gadobutrol for 3D Time-Resolved MRA of the Supra-Aortic Arteries: Comparison with Conventional Single-Phase High-Resolution 3D Contrast-Enhanced MRA. American Journal of Neuroradiology, 2017, 38, 1383-1390.	1.2	7
46	Inter-vender and test-retest reliabilities of resting-state functional magnetic resonance imaging: Implications for multi-center imaging studies. Magnetic Resonance Imaging, 2017, 44, 125-130.	1.0	11
47	Quantification of myelin in children using multiparametric quantitative MRI: a pilot study. Neuroradiology, 2017, 59, 1043-1051.	1.1	30
48	Brain Atrophy of Secondary REM-Sleep Behavior Disorder in Neurodegenerative Disease. Journal of Alzheimer's Disease, 2016, 52, 1101-1109.	1.2	29
49	Transcranial Magnetic Stimulation and Diffusion Tensor Tractography for Evaluating Ambulation after Stroke. Journal of Stroke, 2016, 18, 220-226.	1.4	19
50	Association of Dysphagia With Supratentorial Lesions in Patients With Middle Cerebral Artery Stroke. Annals of Rehabilitation Medicine, 2016, 40, 637.	0.6	9
51	A Multicenter Prospective Validation Study for the Korean Thyroid Imaging Reporting and Data System in Patients with Thyroid Nodules. Korean Journal of Radiology, 2016, 17, 811.	1.5	75
52	Ultrasonography Diagnosis and Imaging-Based Management of Thyroid Nodules: Revised Korean Society of Thyroid Radiology Consensus Statement and Recommendations. Korean Journal of Radiology, 2016, 17, 370.	1.5	708
53	Structural MR Imaging in the Diagnosis of Alzheimer's Disease and Other Neurodegenerative Dementia: Current Imaging Approach and Future Perspectives. Korean Journal of Radiology, 2016, 17, 827.	1.5	61
54	A Comparison of Substantia Nigra T1 Hyperintensity in Parkinson's Disease Dementia, Alzheimer's Disease and Age-Matched Controls: Volumetric Analysis of Neuromelanin Imaging. Korean Journal of Radiology, 2016, 17, 633.	1.5	16

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55	Patterns of Brain Iron Accumulation in Vascular Dementia and Alzheimer's Dementia Using Quantitative Susceptibility Mapping Imaging. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 737-745.	1.2	102
56	ICP-176: Diabetes Mellitus Alters Brain Iron Metabolism in Cognitive Impaired Patients: Quantitative Susceptibility Mapping (QSM) Study. <i>Alzheimer's and Dementia</i> , 2016, 12, P129.	0.4	0
57	Prolonged Wallerian degeneration in the corticospinal tract following external capsular hemorrhage. <i>Journal of the Neurological Sciences</i> , 2016, 365, 154-155.	0.3	3
58	Diffusion tensor imaging of white and grey matter within the spinal cord of normal Beagle dogs: Sub-regional differences of the various diffusion parameters. <i>Veterinary Journal</i> , 2016, 215, 110-117.	0.6	14
59	Characterization of White Matter Injury in a Rat Model of Chronic Cerebral Hypoperfusion. <i>Stroke</i> , 2016, 47, 542-547.	1.0	93
60	Charcoal-Induced Granuloma That Mimicked a Nodal Metastasis on Ultrasonography and FDG-PET/CT after Neck Dissection. <i>Korean Journal of Radiology</i> , 2015, 16, 196.	1.5	7
61	The Value of Gross Visual Assessment of Specimen Adequacy for Liquid-Based Cytology During Ultrasound-Guided, Fine-Needle Aspiration of Thyroid Nodules. <i>Endocrine Practice</i> , 2015, 21, 1219-1226.	1.1	13
62	Vitamin D Deficiency Disrupts Neuronal Integrity in Cognitively Impaired Patients. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 1089-1096.	1.2	21
63	Radiologic and Pathologic Findings of a Follicular Variant of Papillary Thyroid Cancer with Extensive Stromal Fat: A Case Report. <i>Korean Journal of Radiology</i> , 2015, 16, 1349.	1.5	6
64	Pathomechanisms of Atrophy in Insular Cortex in Alzheimer's Disease. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2015, 30, 497-502.	0.9	5
65	Intra-Rater and Inter-Rater Reliability of Brain Surface Intensity Model (BSIM)-Based Cortical Thickness Analysis Using 3T MRI. <i>Investigative Magnetic Resonance Imaging</i> , 2015, 19, 168.	0.2	0
66	Effect of Imaging Time in the Magnetic Resonance Detection of Intracerebral Metastases Using Single Dose Gadobutrol. <i>Korean Journal of Radiology</i> , 2014, 15, 145.	1.5	22
67	Recurrent posterior circulation infarction caused by anomalous occipital bony process in a young patient. <i>BMC Neurology</i> , 2014, 14, 252.	0.8	8
68	Post-carotid stenting reperfusion injury with blood-brain barrier disruption on gadolinium-enhanced FLAIR MRI. <i>BMC Neurology</i> , 2014, 14, 178.	0.8	5
69	Regional Atrophy of the Insular Cortex Is Associated with Neuropsychiatric Symptoms in Alzheimer's Disease Patients. <i>European Neurology</i> , 2014, 71, 223-229.	0.6	48
70	Atherosclerotic arterial wall change of non-stenotic intracranial arteries on high-resolution MRI at 3.0T: Correlation with cerebrovascular risk factors and white matter hyperintensity. <i>Clinical Neurology and Neurosurgery</i> , 2014, 126, 1-6.	0.6	16
71	Differential Cholinergic Pathway Involvement in Alzheimer's Disease and Subcortical Ischemic Vascular Dementia. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 129-136.	1.2	40
72	Image Reporting and Characterization System for Ultrasound Features of Thyroid Nodules: Multicentric Korean Retrospective Study. <i>Korean Journal of Radiology</i> , 2013, 14, 110.	1.5	130

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73	<i>BRAF</i> Mutation Analysis and Sonography as Adjuncts to Fine-Needle Aspiration Cytology of Papillary Thyroid Carcinoma: Their Relationships and Roles. American Journal of Roentgenology, 2012, 198, 668-674.	1.0	24
74	An Acute Tiny Left Putamen Lesion Presenting With Transient Global Amnesia. Neurologist, 2012, 18, 80-82.	0.4	7
75	Retrograde Stent Placement for Coil Embolization of a Wide-Necked Posterior Inferior Cerebellar Artery Aneurysm. Korean Journal of Radiology, 2012, 13, 510.	1.5	19
76	Fluid-Attenuated Inversion Recovery Hypointensity of the Pulvinar Nucleus of Patients with Alzheimer Disease: Its Possible Association with Iron Accumulation as Evidenced by the T2* Map. Korean Journal of Radiology, 2012, 13, 674.	1.5	14
77	Thyroid Incidentaloma Detected by Time-Resolved Magnetic Resonance Angiography at 3T: Prevalence and Clinical Significance. Korean Journal of Radiology, 2012, 13, 275.	1.5	10
78	Imaging parameters of high grade gliomas in relation to the MGMT promoter methylation status: the CT, diffusion tensor imaging, and perfusion MR imaging. Neuroradiology, 2012, 54, 555-563.	1.1	111
79	Differentiation between Primary Central Nervous System Lymphoma and Glioblastoma: Added Value of Quantitative Analysis of CT Attenuation and Apparent Diffusion Coefficient. Journal of the Korean Society of Magnetic Resonance in Medicine, 2012, 16, 226.	0.1	5
80	MR imaging of ulnar collateral ligament injury in baseball players: Value for predicting rehabilitation outcome. European Journal of Radiology, 2011, 80, e422-6.	1.2	24
81	Structural connectivity of the frontal lobe in children with drug-resistant partial epilepsy. Epilepsy and Behavior, 2011, 21, 65-70.	0.9	16
82	Optimization of MR Parameters of 3D TOF-MRA for Various Intracranial Stents at 3.0T MRI. Neurointervention, 2011, 6, 71.	0.5	40
83	Time-Resolved 3D Contrast-Enhanced MRA on 3.0T: a Non-Invasive Follow-Up Technique after Stent-Assisted Coil Embolization of the Intracranial Aneurysm. Korean Journal of Radiology, 2011, 12, 662.	1.5	45
84	Cervical Epidural Lymphangioma Presenting as a Hemorrhagic Cyst. Spine, 2011, 36, E1117-E1120.	1.0	7
85	Endovascular coil embolization of very small intracranial aneurysms. Neuroradiology, 2011, 53, 349-357.	1.1	54
86	Diffusion-Tensor Imaging Assessment of White Matter Maturation in Childhood and Adolescence. American Journal of Roentgenology, 2011, 197, 704-712.	1.0	36
87	Ultrasonography and the Ultrasound-Based Management of Thyroid Nodules: Consensus Statement and Recommendations. Korean Journal of Radiology, 2011, 12, 1.	1.5	394
88	Ultrasonographic findings of medullary thyroid cancer: differences according to tumor size and correlation with fine needle aspiration results. Acta Radiologica, 2011, 52, 312-316.	0.5	55
89	Clinical Usefulness of SurePath, Liquid-based Cytology in Thyroid Fine Needle Aspiration: Comparison with the Conventional Smear in Diagnostic Efficacy and Applicability of <i>BRAF</i> Mutation Test. Korean Journal of Pathology, 2011, 45, 188.	1.2	8
90	Perforator Territory Infarction in the Lenticulostriate Arterial Territory: Mechanisms and Lesion Patterns Based on the Axial Location. European Neurology, 2010, 63, 107-115.	0.6	25

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91	Are there any specific ultrasound findings of nodular hyperplasia (â€œleave me aloneâ€•lesion) to differentiate it from follicular adenoma?. <i>Acta Radiologica</i> , 2009, 50, 383-388.	0.5	40
92	Radiofrequency Ablation for the Treatment of Autonomously Functioning Thyroid Nodules. <i>World Journal of Surgery</i> , 2009, 33, 1971-1977.	0.8	200
93	MR angiographic evaluation is limited in intracranial aneurysms embolized with Nexus coils. <i>Neuroradiology</i> , 2008, 50, 171-178.	1.1	15
94	Endovascular treatment of posterior cerebral artery aneurysms using detachable coils. <i>Neuroradiology</i> , 2008, 50, 237-242.	1.1	37
95	One-Step Ethanol Ablation of Viscous Cystic Thyroid Nodules. <i>American Journal of Roentgenology</i> , 2008, 191, 1730-1733.	1.0	72
96	Benign and Malignant Thyroid Nodules: US Differentiationâ€”Multicenter Retrospective Study. <i>Radiology</i> , 2008, 247, 762-770.	3.6	935
97	Pyrosequencing Analysis for Detection of a BRAFV600E Mutation in an FNAB Specimen of Thyroid Nodules. <i>Diagnostic Molecular Pathology</i> , 2008, 17, 118-125.	2.1	139
98	Tympanometry and CT Measurement of Middle Ear Volumes in Patients with Unilateral Chronic Otitis Media. <i>Clinical and Experimental Otorhinolaryngology</i> , 2008, 1, 139.	1.1	17
99	Measurement of Signal-to-Noise Ratio in MR Imaging with Sensitivity Encoding. <i>Radiology</i> , 2007, 243, 908-909.	3.6	22
100	Peripheral ossifying fibroma in the oral cavity: CT and MR findings. <i>Dentomaxillofacial Radiology</i> , 2007, 36, 180-182.	1.3	40
101	Findings of Extrathyroid Lesions Encountered With Thyroid Sonography. <i>Journal of Ultrasound in Medicine</i> , 2007, 26, 1747-1759.	0.8	7
102	Magnetic Resonance Cisternography. <i>Journal of Computer Assisted Tomography</i> , 2007, 31, 588-591.	0.5	32
103	Diffusion-Weighted Imaging with Sensitivity Encoding (SENSE) for Detecting Cranial Bone Marrow Metastases: Comparison with T1-Weighted Images. <i>Korean Journal of Radiology</i> , 2007, 8, 185.	1.5	24
104	Cerebral Ischemia Detected with Diffusion-Weighted MR Imaging after Protected Carotid Artery Stenting: Comparison of Distal Balloon and Filter Device. <i>Korean Journal of Radiology</i> , 2007, 8, 276.	1.5	39
105	White matter abnormalities in drug-naïve patients with obsessive-compulsive disorder: a Diffusion Tensor Study before and after citalopram treatment. <i>Acta Psychiatrica Scandinavica</i> , 2007, 116, 211-219.	2.2	141
106	Management Guidelines for Patients with Thyroid Nodules and Thyroid Cancer. <i>Journal of Korean Endocrine Society</i> , 2007, 22, 157.	0.1	29
107	Increased water diffusivity in the frontal and temporal cortices of schizophrenic patients. <i>NeuroImage</i> , 2006, 30, 1285-1291.	2.1	62
108	How does distortion correction correlate with anisotropic indices? A diffusion tensor imaging study. <i>Magnetic Resonance Imaging</i> , 2006, 24, 1369-1376.	1.0	27

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109	A proton MRSI study of brain N-acetylaspartate level after 12 weeks of citalopram treatment in drug-naive patients with obsessive-compulsive disorder. American Journal of Psychiatry, 2006, 163, 1202-7.	4.0	49
110	Sex differences in the human corpus callosum: diffusion tensor imaging study. NeuroReport, 2005, 16, 795-798.	0.6	127
111	Assessment of Tissue Viability Using Diffusion- and Perfusion-Weighted MRI in Hyperacute Stroke. Korean Journal of Radiology, 2005, 6, 75.	1.5	5
112	Prospective analysis of cerebral infarction after carotid endarterectomy and carotid artery stent placement by using diffusion-weighted imaging. American Journal of Neuroradiology, 2005, 26, 376-84.	1.2	75
113	Diffusion abnormality of deep gray matter in external capsular hemorrhage. American Journal of Neuroradiology, 2005, 26, 229-35.	1.2	11
114	Orbital Lymphoma and Subacute or Chronic Inflammatory Pseudotumor: Differentiation with Two-Phase Helical Computed Tomography. Journal of Computer Assisted Tomography, 2003, 27, 510-516.	0.5	23
115	Multiphase Perfusion CT in Acute Middle Cerebral Artery Ischemic Stroke: Prediction of Final Infarct Volume and Correlation with Clinical Outcome. Korean Journal of Radiology, 2002, 3, 163.	1.5	7
116	Brenner Tumor of the Ovary: CT and MR Findings. Journal of Computer Assisted Tomography, 2000, 24, 72-76.	0.5	95