

Masaaki Hori

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

192 papers	3,359 citations	32 h-index	47 g-index
210 ext. papers	4,325 ext. citations	4.1 avg, IF	5.05 L-index

#	Paper	IF	Citations
192	Analysis of synthetic magnetic resonance images by multi-channel segmentation increases accuracy of volumetry in the putamen and decreases mis-segmentation in the dural sinuses.. <i>Acta Radiologica</i> , 2022 , 2841851221089835	2	
191	Microstructural white matter abnormalities in multiple sclerosis and neuromyelitis optica spectrum disorders: Evaluation by advanced diffusion imaging.. <i>Journal of the Neurological Sciences</i> , 2022 , 436, 120205	3.2	0
190	White matter and nigral alterations in multiple system atrophy-parkinsonian type. <i>Npj Parkinson's Disease</i> , 2021 , 7, 96	9.7	0
189	Age-Related Changes in Relaxation Times, Proton Density, Myelin, and Tissue Volumes in Adult Brain Analyzed by 2-Dimensional Quantitative Synthetic Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2021 , 56, 163-172	10.1	6
188	Effect of hybrid of compressed sensing and parallel imaging on the quantitative values measured by 3D quantitative synthetic MRI: A phantom study. <i>Magnetic Resonance Imaging</i> , 2021 , 78, 90-97	3.3	1
187	Differentiation between multiple sclerosis and neuromyelitis optica spectrum disorders by multiparametric quantitative MRI using convolutional neural network. <i>Journal of Clinical Neuroscience</i> , 2021 , 87, 55-58	2.2	1
186	Technical Basics of Diffusion-Weighted Imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021 , 29, 129-136	1.6	1
185	Influence of Mild White Matter Lesions on Voxel-based Morphometry. <i>Magnetic Resonance in Medical Sciences</i> , 2021 , 20, 40-46	2.9	1
184	Repeatability and reproducibility of human brain morphometry using three-dimensional magnetic resonance fingerprinting. <i>Human Brain Mapping</i> , 2021 , 42, 275-285	5.9	3
183	A prospective randomized study comparing effects of empagliflozin to sitagliptin on cardiac fat accumulation, cardiac function, and cardiac metabolism in patients with early-stage type 2 diabetes: the ASSET study. <i>Cardiovascular Diabetology</i> , 2021 , 20, 32	8.7	12
182	Low-Field Magnetic Resonance Imaging: Its History and Renaissance. <i>Investigative Radiology</i> , 2021 , 56, 669-679	10.1	6
181	Multiple sclerosis plaques may undergo continuous myelin degradation: a cross-sectional study with myelin and axon-related quantitative magnetic resonance imaging metrics. <i>Neuroradiology</i> , 2021 , 1	3.2	0
180	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , 2021 , 8, 219	8.2	6
179	Diffusion MRI Captures White Matter Microstructure Alterations in PRKN Disease. <i>Journal of Parkinson's Disease</i> , 2021 , 11, 1221-1235	5.3	1
178	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021 , 16, 4611-4632	12.8	11
177	White matter alterations in Parkinson's disease with levodopa-induced dyskinesia. <i>Parkinsonism and Related Disorders</i> , 2021 , 90, 8-14	3.6	2
176	The metabolic parameters based on volume in PET/CT are associated with clinicopathological N stage of colorectal cancer and can predict prognosis. <i>EJNMMI Research</i> , 2021 , 11, 87	3.6	1

175	Time-dependent Diffusion in Transient Splenial Lesion: Comparison between Oscillating-gradient Spin-echo Measurements and Monte-Carlo Simulation. <i>Magnetic Resonance in Medical Sciences</i> , 2021 , 20, 227-230	2.9	2
174	Can reduced leftward asymmetry of white matter integrity be a marker of transition to psychosis in at-risk mental state?. <i>Asian Journal of Psychiatry</i> , 2020 , 54, 102450	6.7	2
173	Multiple sclerosis lesions in motor tracts from brain to cervical cord: spatial distribution and correlation with disability. <i>Brain</i> , 2020 , 143, 2089-2105	11.2	17
172	Deep Learning Approach for Generating MRA Images From 3D Quantitative Synthetic MRI Without Additional Scans. <i>Investigative Radiology</i> , 2020 , 55, 249-256	10.1	19
171	Differentiation of high-grade and low-grade intra-axial brain tumors by time-dependent diffusion MRI. <i>Magnetic Resonance Imaging</i> , 2020 , 72, 34-41	3.3	6
170	Transient Global Amnesia: A Diffusion and Perfusion MRI study. <i>Journal of Neuroimaging</i> , 2020 , 30, 828-838	3	
169	Neurocognitive and psychiatric disorders-related axonal degeneration in Parkinson's disease. <i>Journal of Neuroscience Research</i> , 2020 , 98, 936-949	4.4	8
168	Measured volumes using segmented tissue probability data obtained using statistical parametric mapping 12 were not influenced by the contrasts of analyzed images. <i>Journal of Clinical Neuroscience</i> , 2020 , 74, 69-75	2.2	
167	Myelin Measurement Using Quantitative Magnetic Resonance Imaging: A Correlation Study Comparing Various Imaging Techniques in Patients with Multiple Sclerosis. <i>Cells</i> , 2020 , 9,	7.9	10
166	White Matter Myelin Changes Related to Long-term Intensive Training in Japanese World-class Gymnasts. <i>Juntendo Medical Journal</i> , 2020 , 66, 21-28	0.1	
165	The Utility of a Convolutional Neural Network for Generating a Myelin Volume Index Map from Rapid Simultaneous Relaxometry Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2020 , 19, 324-332	2.9	2
164	Myelin Imaging Can Be Affected by a Number of Factors. <i>American Journal of Neuroradiology</i> , 2020 , 41, E43-E44	4.4	
163	29-OR: Comparison of Empagliflozin and Sitagliptin on Ectopic Fat Accumulation and Tissue-Specific Insulin Sensitivity. <i>Diabetes</i> , 2020 , 69, 29-OR	0.9	
162	Estimation of intracranial volume: A comparative study between synthetic MRI and FSL-brain extraction tool (BET)2. <i>Journal of Clinical Neuroscience</i> , 2020 , 79, 178-182	2.2	1
161	Utility and validity of neurite orientation dispersion and density imaging with diffusion tensor imaging to quantify the severity of cervical spondylotic myelopathy and assess postoperative neurological recovery. <i>Spine Journal</i> , 2020 , 20, 417-425	4	4
160	Evaluation of white matter microstructure in patients with Parkinson's disease using microscopic fractional anisotropy. <i>Neuroradiology</i> , 2020 , 62, 197-203	3.2	3
159	Effect of changing the analyzed image contrast on the accuracy of intracranial volume extraction using Brain Extraction Tool 2. <i>Radiological Physics and Technology</i> , 2020 , 13, 76-82	1.7	2
158	Scan-rescan and inter-vendor reproducibility of neurite orientation dispersion and density imaging metrics. <i>Neuroradiology</i> , 2020 , 62, 483-494	3.2	10

157	Quantitative analysis of ovarian cysts and tumors by using T2 star mapping. <i>Journal of Obstetrics and Gynaecology Research</i> , 2020 , 46, 140-146	1.9	
156	Brain White-Matter Degeneration Due to Aging and Parkinson Disease as Revealed by Double Diffusion Encoding. <i>Frontiers in Neuroscience</i> , 2020 , 14, 584510	5.1	10
155	NODDI in clinical research. <i>Journal of Neuroscience Methods</i> , 2020 , 346, 108908	3	23
154	Regional brain gray matter volume in world-class artistic gymnasts. <i>Journal of Physiological Sciences</i> , 2020 , 70, 43	2.3	3
153	Myelin and Axonal Damage in Normal-Appearing White Matter in Patients with Moyamoya Disease. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1618-1624	4.4	2
152	Differentiation between glioblastoma and solitary brain metastasis using neurite orientation dispersion and density imaging. <i>Journal of Neuroradiology</i> , 2020 , 47, 197-202	3.1	17
151	Ventricular volumetry and free-water corrected diffusion tensor imaging of the anterior thalamic radiation in idiopathic normal pressure hydrocephalus. <i>Journal of Neuroradiology</i> , 2020 , 47, 312-317	3.1	6
150	Signal Intensity within Cerebral Venous Sinuses on Synthetic MRI. <i>Magnetic Resonance in Medical Sciences</i> , 2020 , 19, 56-63	2.9	4
149	Three-dimensional high-resolution simultaneous quantitative mapping of the whole brain with 3D-QALAS: An accuracy and repeatability study. <i>Magnetic Resonance Imaging</i> , 2019 , 63, 235-243	3.3	21
148	White Matter Abnormalities in Multiple Sclerosis Evaluated by Quantitative Synthetic MRI, Diffusion Tensor Imaging, and Neurite Orientation Dispersion and Density Imaging. <i>American Journal of Neuroradiology</i> , 2019 , 40, 1642-1648	4.4	16
147	MR g-ratio-weighted connectome analysis in patients with multiple sclerosis. <i>Scientific Reports</i> , 2019 , 9, 13522	4.9	15
146	An Essential Role of the Intraparietal Sulcus in Response Inhibition Predicted by Parcellation-Based Network. <i>Journal of Neuroscience</i> , 2019 , 39, 2509-2521	6.6	29
145	Improving the Quality of Synthetic FLAIR Images with Deep Learning Using a Conditional Generative Adversarial Network for Pixel-by-Pixel Image Translation. <i>American Journal of Neuroradiology</i> , 2019 , 40, 224-230	4.4	33
144	Unraveling Specific Brain Microstructural Damage in Moyamoya Disease Using Diffusion Magnetic Resonance Imaging and Positron Emission Tomography. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019 , 28, 1113-1125	2.8	6
143	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. <i>Brain</i> , 2019 , 142, 633-646	11.2	47
142	Longitudinal changes in striatum and sub-threshold positive symptoms in individuals with an at risk mental state (ARMS). <i>Psychiatry Research - Neuroimaging</i> , 2019 , 285, 25-30	2.9	7
141	Brain tissue and myelin volumetric analysis in multiple sclerosis at 3T MRI with various in-plane resolutions using synthetic MRI. <i>Neuroradiology</i> , 2019 , 61, 1219-1227	3.2	13
140	Intravoxel incoherent motion perfusion in patients with Moyamoya disease: comparison with O-gas positron emission tomography. <i>Acta Radiologica Open</i> , 2019 , 8, 2058460119846587	1.2	2

139	Comparison of magnetization transfer contrast of conventional and simultaneous multislice turbo spin echo acquisitions focusing on excitation time interval. <i>Japanese Journal of Radiology</i> , 2019 , 37, 579-589	2.9	1
138	White matter alterations in adult with autism spectrum disorder evaluated using diffusion kurtosis imaging. <i>Neuroradiology</i> , 2019 , 61, 1343-1353	3.2	6
137	Gray Matter Alterations in Early and Late Relapsing-Remitting Multiple Sclerosis Evaluated with Synthetic Quantitative Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2019 , 9, 8147	4.9	8
136	3D quantitative synthetic MRI-derived cortical thickness and subcortical brain volumes: Scan-rescan repeatability and comparison with conventional T-weighted images. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 1834-1842	5.6	23
135	Large hospital variation in the utilization of Post-procedural CT to detect pulmonary embolism/Deep Vein Thrombosis in Patients Undergoing Total Knee or Hip Replacement Surgery: Japanese Nationwide Diagnosis Procedure Combination Database Study. <i>British Journal of Radiology</i> , 2019 , 92, 20180825	3.4	1
134	Review of synthetic MRI in pediatric brains: Basic principle of MR quantification, its features, clinical applications, and limitations. <i>Journal of Neuroradiology</i> , 2019 , 46, 268-275	3.1	15
133	Estimation of Gadolinium-based Contrast Agent Concentration Using Quantitative Synthetic MRI and Its Application to Brain Metastases: A Feasibility Study. <i>Magnetic Resonance in Medical Sciences</i> , 2019 , 18, 260-264	2.9	5
132	A Comparison of Techniques for Correcting Eddy-current and Motion-induced Distortions in Diffusion-weighted Echo-planar Images. <i>Magnetic Resonance in Medical Sciences</i> , 2019 , 18, 272-275	2.9	0
131	Free-Water Imaging in White and Gray Matter in Parkinson's Disease. <i>Cells</i> , 2019 , 8,	7.9	19
130	Convolutional neural network-based segmentation can help in assessing the substantia nigra in neuromelanin MRI. <i>Neuroradiology</i> , 2019 , 61, 1387-1395	3.2	15
129	Aberrant myelination in patients with Sturge-Weber syndrome analyzed using synthetic quantitative magnetic resonance imaging. <i>Neuroradiology</i> , 2019 , 61, 1055-1066	3.2	13
128	MRI-based visualization of rTMS-induced cortical plasticity in the primary motor cortex. <i>PLoS ONE</i> , 2019 , 14, e0224175	3.7	6
127	Synthetic MR Imaging using MP2RAGE and Multi-echo Sequence : The Effect of Clinical Setting on the Quantification of Phantom Characteristics. <i>Japanese Journal of Magnetic Resonance in Medicine</i> , 2019 , 39, 6-14	0	
126	Bayesian Estimation of CBF Measured by DSC-MRI in Patients with Moyamoya Disease: Comparison with O-Gas PET and Singular Value Decomposition. <i>American Journal of Neuroradiology</i> , 2019 , 40, 1894-1900	4.4	4
125	Linearity, Bias, Intrascanner Repeatability, and Interscanner Reproducibility of Quantitative Multidynamic Multiecho Sequence for Rapid Simultaneous Relaxometry at 3 T: A Validation Study With a Standardized Phantom and Healthy Controls. <i>Investigative Radiology</i> , 2019 , 54, 39-47	10.1	46
124	Choroid plexus cysts analyzed using diffusion-weighted imaging with short diffusion-time. <i>Magnetic Resonance Imaging</i> , 2019 , 57, 323-327	3.3	10
123	Effect of Gadolinium on the Estimation of Myelin and Brain Tissue Volumes Based on Quantitative Synthetic MRI. <i>American Journal of Neuroradiology</i> , 2019 , 40, 231-237	4.4	7
122	Regression of White Matter Hyperintensity after Indirect Bypass Surgery in a Patient with Moyamoya Disease. <i>Magnetic Resonance in Medical Sciences</i> , 2019 , 18, 247-248	2.9	6

121	Differentiating Alzheimer's Disease from Dementia with Lewy Bodies Using a Deep Learning Technique Based on Structural Brain Connectivity. <i>Magnetic Resonance in Medical Sciences</i> , 2019 , 18, 219-224	2.9	12
120	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. <i>NeuroImage</i> , 2019 , 184, 901-915	7.9	77
119	Automated brain tissue and myelin volumetry based on quantitative MR imaging with various in-plane resolutions. <i>Journal of Neuroradiology</i> , 2018 , 45, 164-168	3.1	23
118	Synthetic MRI of the knee: new perspectives in musculoskeletal imaging and possible applications for the assessment of bone marrow disorders. <i>British Journal of Radiology</i> , 2018 , 91, 20170886	3.4	1
117	Changes in the ADC of diffusion-weighted MRI with the oscillating gradient spin-echo (OGSE) sequence due to differences in substrate viscosities. <i>Japanese Journal of Radiology</i> , 2018 , 36, 415-420	2.9	7
116	Application of Quantitative Microstructural MR Imaging with Atlas-based Analysis for the Spinal Cord in Cervical Spondylotic Myelopathy. <i>Scientific Reports</i> , 2018 , 8, 5213	4.9	15
115	Neurite orientation dispersion and density imaging of the nigrostriatal pathway in Parkinson's disease: Retrograde degeneration observed by tract-profile analysis. <i>Parkinsonism and Related Disorders</i> , 2018 , 51, 55-60	3.6	26
114	Depressive symptoms in Parkinson's disease are related to decreased left hippocampal volume: correlation with the 15-item shortened version of the Geriatric Depression Scale. <i>Acta Radiologica</i> , 2018 , 59, 341-345	2	10
113	Application of neurite orientation dispersion and density imaging or diffusion tensor imaging to quantify the severity of cervical spondylotic myelopathy and to assess postoperative neurologic recovery. <i>Spine Journal</i> , 2018 , 18, 268-275	4	14
112	Noninvasive Computed Tomography-Derived Fractional Flow Reserve Based on Structural and Fluid Analysis: Reproducibility of On-site Determination by Unexperienced Observers. <i>Journal of Computer Assisted Tomography</i> , 2018 , 42, 256-262	2.2	12
111	The Advantage of Synthetic MRI for the Visualization of Anterior Temporal Pole Lesions on Double Inversion Recovery (DIR), Phase-sensitive Inversion Recovery (PSIR), and Myelin Images in a Patient with CADASIL. <i>Magnetic Resonance in Medical Sciences</i> , 2018 , 17, 275-276	2.9	21
110	Myelin Measurement: Comparison Between Simultaneous Tissue Relaxometry, Magnetization Transfer Saturation Index, and Tw/Tw Ratio Methods. <i>Scientific Reports</i> , 2018 , 8, 10554	4.9	55
109	Reduced visualization of cerebral infarction on diffusion-weighted images with short diffusion times. <i>Neuroradiology</i> , 2018 , 60, 979-982	3.2	11
108	Limitation of neurite orientation dispersion and density imaging for the detection of focal cortical dysplasia with a "transmantle sign". <i>Physica Medica</i> , 2018 , 52, 183-184	2.7	2
107	Imaging Differences between Neuromyelitis Optica Spectrum Disorders and Multiple Sclerosis: A Multi-Institutional Study in Japan. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1239-1247	4.4	12
106	Symptom recovery and relationship to structure of corpus callosum in individuals with an acute risk mental state. <i>Psychiatry Research - Neuroimaging</i> , 2018 , 272, 1-6	2.9	4
105	Slice-accelerated gradient-echo echo planar imaging dynamic susceptibility contrast-enhanced MRI with blipped CAIPI: effect of increasing temporal resolution. <i>Japanese Journal of Radiology</i> , 2018 , 36, 40-50	2.9	2
104	Radiologist involvement is associated with reduced use of MRI in the acute period of low back pain in a non-elderly population. <i>European Radiology</i> , 2018 , 28, 1600-1608	8	2

103	Connectome analysis with diffusion MRI in idiopathic Parkinson's disease: Evaluation using multi-shell, multi-tissue, constrained spherical deconvolution. <i>NeuroImage: Clinical</i> , 2018 , 17, 518-529	5.3	33
102	Spatial Restriction within Intracranial Epidermoid Cysts Observed Using Short Diffusion-time Diffusion-weighted Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2018 , 17, 269-272	2.9	16
101	Combining Segmented Grey and White Matter Images Improves Voxel-based Morphometry for the Case of Dilated Lateral Ventricles. <i>Magnetic Resonance in Medical Sciences</i> , 2018 , 17, 293-300	2.9	9
100	Areal Parcellation and Nucleus-Level Analysis of Human Hypothalamus Using High-Resolution fMRI. <i>Jutendo Medical Journal</i> , 2018 , 64, 72-73	0.1	
99	Microstructural Damage in Normal-Appearing Brain Parenchyma and Neurocognitive Dysfunction in Adult Moyamoya Disease. <i>Stroke</i> , 2018 , 49, 2504-2507	6.7	15
98	The Relationship between Neurite Density Measured with Confocal Microscopy in a Cleared Mouse Brain and Metrics Obtained from Diffusion Tensor and Diffusion Kurtosis Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2018 , 17, 138-144	2.9	9
97	Diffusional kurtosis imaging and white matter microstructure modeling in a clinical study of major depressive disorder. <i>NMR in Biomedicine</i> , 2018 , 31, e3938	4.4	12
96	Neuromelanin imaging and midbrain volumetry in progressive supranuclear palsy and Parkinson's disease. <i>Movement Disorders</i> , 2018 , 33, 1488-1492	7	23
95	Striatal subdivisions that coherently interact with multiple cerebrocortical networks. <i>Human Brain Mapping</i> , 2018 , 39, 4349-4359	5.9	13
94	Alterations of the optic pathway between unilateral and bilateral optic nerve damage in multiple sclerosis as revealed by the combined use of advanced diffusion kurtosis imaging and visual evoked potentials. <i>Magnetic Resonance Imaging</i> , 2017 , 39, 24-30	3.3	13
93	Longitudinal study examining abnormal white matter integrity using a tract-specific analysis in individuals with a high risk for psychosis. <i>Psychiatry and Clinical Neurosciences</i> , 2017 , 71, 530-541	6.2	17
92	Neuromelanin MRI is useful for monitoring motor complications in Parkinson's and PARK2 disease. <i>Journal of Neural Transmission</i> , 2017 , 124, 407-415	4.3	21
91	Gray Matter Abnormalities in Idiopathic Parkinson's Disease: Evaluation by Diffusional Kurtosis Imaging and Neurite Orientation Dispersion and Density Imaging. <i>Human Brain Mapping</i> , 2017 , 38, 3704-3722	5.9	53
90	Non-Contrast-Enhanced Silent Scan MR Angiography of Intracranial Anterior Circulation Aneurysms Treated with a Low-Profile Visualized Intraluminal Support Device. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1610-1616	4.4	26
89	Diffusion imaging of reversible and irreversible microstructural changes within the corticospinal tract in idiopathic normal pressure hydrocephalus. <i>NeuroImage: Clinical</i> , 2017 , 14, 663-671	5.3	32
88	Usefulness of Non-Contrast-Enhanced MR Angiography Using a Silent Scan for Follow-Up after Y-Configuration Stent-Assisted Coil Embolization for Basilar Tip Aneurysms. <i>American Journal of Neuroradiology</i> , 2017 , 38, 577-581	4.4	34
87	Teaching Neuroimages: Obscured Cerebral Infarction on MRI. <i>Clinical Neuroradiology</i> , 2017 , 27, 519-520	2.7	10
86	Diagnostic imaging of dementia with Lewy bodies by susceptibility-weighted imaging of nigrosomes versus striatal dopamine transporter single-photon emission computed tomography: a retrospective observational study. <i>Neuroradiology</i> , 2017 , 59, 89-98	3.2	24

85	Synthetic MRI in the Detection of Multiple Sclerosis Plaques. <i>American Journal of Neuroradiology</i> , 2017 , 38, 257-263	4.4	48
84	Synthetic MR Imaging in the Diagnosis of Bacterial Meningitis. <i>Magnetic Resonance in Medical Sciences</i> , 2017 , 16, 91-92	2.9	19
83	Changes in delta ADC reflect intracranial pressure changes in craniosynostosis. <i>Acta Radiologica Open</i> , 2017 , 6, 2058460117728535	1.2	2
82	Functional subdivisions of the hypothalamus using areal parcellation and their signal changes related to glucose metabolism. <i>NeuroImage</i> , 2017 , 162, 1-12	7.9	26
81	SyMRI of the Brain: Rapid Quantification of Relaxation Rates and Proton Density, With Synthetic MRI, Automatic Brain Segmentation, and Myelin Measurement. <i>Investigative Radiology</i> , 2017 , 52, 647-657	10.1	98
80	Analysis of White Matter Damage in Patients with Multiple Sclerosis via a Novel In Vivo MR Method for Measuring Myelin, Axons, and G-Ratio. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1934-1940	4.4	34
79	Synthetic MRI showed increased myelin partial volume in the white matter of a patient with Sturge-Weber syndrome. <i>Neuroradiology</i> , 2017 , 59, 1065-1066	3.2	7
78	Neurite orientation dispersion and density imaging for evaluation of corticospinal tract in idiopathic normal pressure hydrocephalus. <i>Japanese Journal of Radiology</i> , 2017 , 35, 25-30	2.9	14
77	Utility of a Multiparametric Quantitative MRI Model That Assesses Myelin and Edema for Evaluating Plaques, Periplaque White Matter, and Normal-Appearing White Matter in Patients with Multiple Sclerosis: A Feasibility Study. <i>American Journal of Neuroradiology</i> , 2017 , 38, 237-242	4.4	37
76	Advanced diffusion-weighted magnetic resonance imaging in the evaluation of white matter axons in patients with idiopathic normal pressure hydrocephalus. <i>Neural Regeneration Research</i> , 2017 , 12, 1974-1975	4.5	75
75	The Infundibular Recess Passes through the Entire Pituitary Stalk. <i>Clinical Neuroradiology</i> , 2016 , 26, 465-469	4.9	5
74	Estimation of the Mean Axon Diameter and Intra-axonal Space Volume Fraction of the Human Corpus Callosum: Diffusion q-space Imaging with Low q-values. <i>Magnetic Resonance in Medical Sciences</i> , 2016 , 15, 83-93	2.9	6
73	Usefulness of T2 star-weighted imaging in ovarian cysts and tumors. <i>Journal of Obstetrics and Gynaecology Research</i> , 2016 , 42, 1336-1342	1.9	4
72	A strategy to optimize radiation exposure for non-contrast head CT: comparison with the Japanese diagnostic reference levels. <i>Japanese Journal of Radiology</i> , 2016 , 34, 451-7	2.9	6
71	Diffusion-tensor-based method for robust and practical estimation of axial and radial diffusional kurtosis. <i>European Radiology</i> , 2016 , 26, 2559-66	8	8
70	Contrast-enhanced synthetic MRI for the detection of brain metastases. <i>Acta Radiologica Open</i> , 2016 , 5, 2058460115626757	1.2	23
69	Prospective estimation of mean axon diameter and extra-axonal space of the posterior limb of the internal capsule in patients with idiopathic normal pressure hydrocephalus before and after a lumboperitoneal shunt by using q-space diffusion MRI. <i>European Radiology</i> , 2016 , 26, 2992-8	8	6
68	Neurite orientation dispersion and density imaging in the substantia nigra in idiopathic Parkinson disease. <i>European Radiology</i> , 2016 , 26, 2567-77	8	72

67	Peking University - Juntendo University Joint Symposium on Brain and Skin Diseases. <i>Juntendo Medical Journal</i> , 2016 , 62, 300-301	0.1	1
66	Quantitative Histological Validation of Diffusion Tensor MRI with Two-Photon Microscopy of Cleared Mouse Brain. <i>Magnetic Resonance in Medical Sciences</i> , 2016 , 15, 416-421	2.9	10
65	Dural Enhancement in a Patient with Sturge-Weber Syndrome Revealed by Double Inversion Recovery Contrast Using Synthetic MRI. <i>Magnetic Resonance in Medical Sciences</i> , 2016 , 15, 151-2	2.9	21
64	Diffusional Kurtosis Imaging in Idiopathic Normal Pressure Hydrocephalus: Correlation with Severity of Cognitive Impairment. <i>Magnetic Resonance in Medical Sciences</i> , 2016 , 15, 316-23	2.9	16
63	The Advantage of Synthetic MRI for the Visualization of Early White Matter Change in an Infant with Sturge-Weber Syndrome. <i>Magnetic Resonance in Medical Sciences</i> , 2016 , 15, 347-348	2.9	23
62	The assessment of myometrium perfusion in patients with uterine fibroid by arterial spin labeling MRI. <i>SpringerPlus</i> , 2016 , 5, 1907		5
61	Time Course of Diffusion Kurtosis in Cerebral Infarctions of Transient Middle Cerebral Artery Occlusion Rat Model. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016 , 25, 610-7	2.8	7
60	Assessing Blood Flow in an Intracranial Stent: A Feasibility Study of MR Angiography Using a Silent Scan after Stent-Assisted Coil Embolization for Anterior Circulation Aneurysms. <i>American Journal of Neuroradiology</i> , 2015 , 36, 967-70	4.4	51
59	A longitudinal study investigating sub-threshold symptoms and white matter changes in individuals with an <i>Q</i> t risk mental state (<i>Q</i> ARMS). <i>Schizophrenia Research</i> , 2015 , 162, 7-13	3.6	43
58	See-through Brains and Diffusion Tensor MRI Clarified Fiber Connections: A Preliminary Microstructural Study in a Mouse with Callosal Agenesis. <i>Magnetic Resonance in Medical Sciences</i> , 2015 , 14, 159-62	2.9	7
57	Intersite Reliability of Diffusion Tensor Imaging on Two 3T Scanners. <i>Magnetic Resonance in Medical Sciences</i> , 2015 , 14, 227-33	2.9	9
56	Analysis of normal-appearing white matter of multiple sclerosis by tensor-based two-compartment model of water diffusion. <i>European Radiology</i> , 2015 , 25, 1701-7	8	8
55	A preliminary diffusional kurtosis imaging study of Parkinson disease: comparison with conventional diffusion tensor imaging. <i>Neuroradiology</i> , 2014 , 56, 251-8	3.2	73
54	Diffusional kurtosis imaging analysis in patients with hypertension. <i>Japanese Journal of Radiology</i> , 2014 , 32, 98-104	2.9	11
53	Multiple sclerosis: Benefits of q-space imaging in evaluation of normal-appearing and periplaque white matter. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 625-9	3.3	11
52	Non-Gaussian diffusion-weighted imaging for assessing diurnal changes in intervertebral disc microstructure. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 1208-14	5.6	6
51	Cervical spondylosis: Evaluation of microstructural changes in spinal cord white matter and gray matter by diffusional kurtosis imaging. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 428-32	3.3	27
50	Orbital masses: the usefulness of diffusion-weighted imaging in lesion categorization. <i>Clinical Neuroradiology</i> , 2014 , 24, 129-34	2.7	35

49	Axon diameter and intra-axonal volume fraction of the corticospinal tract in idiopathic normal pressure hydrocephalus measured by q-space imaging. <i>PLoS ONE</i> , 2014 , 9, e103842	3.7	15
48	Microstructural changes of the corticospinal tract in idiopathic normal pressure hydrocephalus: a comparison of diffusion tensor and diffusional kurtosis imaging. <i>Neuroradiology</i> , 2013 , 55, 971-976	3.2	32
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