

Masaaki Hori

List of Publications by Citations

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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	Decreased pregnancy rate is linked to abnormal uterine peristalsis caused by intramural fibroids. <i>Human Reproduction</i> , 2010 , 25, 2475-9	5.7	119
191	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
190	Visualizing non-Gaussian diffusion: clinical application of q-space imaging and diffusional kurtosis imaging of the brain and spine. <i>Magnetic Resonance in Medical Sciences</i> , 2012 , 11, 221-33	2.9	87
189	Diffusion tensor tractography predicts motor functional outcome in patients with spontaneous intracerebral hemorrhage. <i>Neurosurgery</i> , 2008 , 62, 97-103; discussion 103	3.2	87
188	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
187	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
186	Neurite orientation dispersion and density imaging in the substantia nigra in idiopathic Parkinson disease. <i>European Radiology</i> , 2016 , 26, 2567-77	8	72
185	White matter alteration of the cingulum in Parkinson disease with and without dementia: evaluation by diffusion tensor tract-specific analysis. <i>American Journal of Neuroradiology</i> , 2012 , 33, 890-5	4.4	66
184	Relationship between cognitive impairment and white-matter alteration in Parkinson disease with dementia: tract-based spatial statistics and tract-specific analysis. <i>European Radiology</i> , 2013 , 23, 1946-55	8	64
183	Diffusional kurtosis imaging of cingulate fibers in Parkinson disease: comparison with conventional diffusion tensor imaging. <i>Magnetic Resonance Imaging</i> , 2013 , 31, 1501-6	3.3	62
182	White matter alteration in idiopathic normal pressure hydrocephalus: tract-based spatial statistics study. <i>American Journal of Neuroradiology</i> , 2012 , 33, 97-103	4.4	57
181	Diffusional kurtosis imaging of normal-appearing white matter in multiple sclerosis: preliminary clinical experience. <i>Japanese Journal of Radiology</i> , 2013 , 31, 50-5	2.9	56
180	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
179	Gray Matter Abnormalities in Idiopathic Parkinson 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
178	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
177	Electrophysiological, anatomical and histological remodeling of the heart to AV block enhances susceptibility to arrhythmogenic effects of QT-prolonging drugs. <i>The Japanese Journal of Pharmacology</i> , 2002 , 88, 341-50		49
176	Synthetic MRI in the Detection of Multiple Sclerosis Plaques. <i>American Journal of Neuroradiology</i> , 2017 , 38, 257-263	4.4	48

175	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. <i>Brain</i> , 2019 , 142, 633-646	11.2	47
174	New diffusion metrics for spondylotic myelopathy at an early clinical stage. <i>European Radiology</i> , 2012 , 22, 1797-802	8	46
173	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
172	Myomectomy decreases abnormal uterine peristalsis and increases pregnancy rate. <i>Journal of Minimally Invasive Gynecology</i> , 2012 , 19, 63-7	2.2	45
171	Posterior hypoperfusion in Parkinson disease with and without dementia measured with arterial spin labeling MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 803-7	5.6	45
170	MR digital subtraction angiography for the assessment of cranial arteriovenous malformations and fistulas. <i>American Journal of Roentgenology</i> , 2000 , 175, 451-3	5.4	44
169	A longitudinal study investigating sub-threshold symptoms and white matter changes in individuals with an at risk mental state (ARMS). <i>Schizophrenia Research</i> , 2015 , 162, 7-13	3.6	43
168	Line scan diffusion tensor MRI at low magnetic field strength: feasibility study of cervical spondylotic myelopathy in an early clinical stage. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 183-8 ^{5.6}	5.6	43
167	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
166	Orbital masses: the usefulness of diffusion-weighted imaging in lesion categorization. <i>Clinical Neuroradiology</i> , 2014 , 24, 129-34	2.7	35
165	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
164	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
163	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
162	Connectome analysis with diffusion MRI in idiopathic Parkinson disease: Evaluation using multi-shell, multi-tissue, constrained spherical deconvolution. <i>NeuroImage: Clinical</i> , 2018 , 17, 518-529	5.3	33
161	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
160	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
159	Three-dimensional susceptibility-weighted imaging at 3 T using various image analysis methods in the estimation of grading intracranial gliomas. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 594-8	3.3	32
158	White matter alteration in metabolic syndrome: diffusion tensor analysis. <i>Diabetes Care</i> , 2013 , 36, 696-700 ^{4.6}	4.6	30

157	Two-dimensional thick-slice MR digital subtraction angiography for assessment of cerebrovascular occlusive diseases. <i>European Radiology</i> , 2000 , 10, 1858-64	8	30
156	Time-resolved two-dimensional thick-slice magnetic resonance digital subtraction angiography in assessing brain tumors. <i>European Radiology</i> , 2000 , 10, 736-44	8	30
155	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
154	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
153	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
152	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
151	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
150	Precontrast and postcontrast susceptibility-weighted imaging in the assessment of intracranial brain neoplasms at 1.5 T. <i>Japanese Journal of Radiology</i> , 2010 , 28, 299-304	2.9	26
149	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
148	3D quantitative synthetic MRI-derived cortical thickness and subcortical brain volumes: Scan-rescan repeatability and comparison with conventional T ₂ -weighted images. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 1834-1842	5.6	23
147	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
146	Contrast-enhanced synthetic MRI for the detection of brain metastases. <i>Acta Radiologica Open</i> , 2016 , 5, 2058460115626757	1.2	23
145	Can balloon-occluded retrograde transvenous obliteration be performed for gastric varices without gastrosplenic shunts?. <i>Journal of Vascular and Interventional Radiology</i> , 2010 , 21, 663-70	2.4	23
144	NODDI in clinical research. <i>Journal of Neuroscience Methods</i> , 2020 , 346, 108908	3	23
143	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
142	Neuromelanin imaging and midbrain volumetry in progressive supranuclear palsy and Parkinson's disease. <i>Movement Disorders</i> , 2018 , 33, 1488-1492	7	23
141	Effects of diffusional kurtosis imaging parameters on diffusion quantification. <i>Radiological Physics and Technology</i> , 2013 , 6, 343-8	1.7	22
140	Diffusion-weighted imaging in optic neuritis. <i>Canadian Association of Radiologists Journal</i> , 2013 , 64, 51-53	3.9	22

139	Neuromelanin MRI is useful for monitoring motor complications in Parkinson ^Q and PARK2 disease. <i>Journal of Neural Transmission</i> , 2017 , 124, 407-415	4.3	21
138	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
137	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
136	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
135	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
134	Synthetic MR Imaging in the Diagnosis of Bacterial Meningitis. <i>Magnetic Resonance in Medical Sciences</i> , 2017 , 16, 91-92	2.9	19
133	Free-Water Imaging in White and Gray Matter in Parkinson ^Q Disease. <i>Cells</i> , 2019 , 8,	7.9	19
132	Associations among q-space MRI, diffusion-weighted MRI and histopathological parameters in meningiomas. <i>European Radiology</i> , 2013 , 23, 2258-63	8	19
131	Time-resolved three-dimensional magnetic resonance digital subtraction angiography without contrast material in the brain: Initial investigation. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 214-8	5.6	18
130	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
129	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
128	A comparison of mean displacement values using high b-value Q-space diffusion-weighted MRI with conventional apparent diffusion coefficients in patients with stroke. <i>Academic Radiology</i> , 2011 , 18, 837-41	4.3	17
127	Effect of injection rate of contrast material on CT of hepatocellular carcinoma. <i>American Journal of Roentgenology</i> , 2006 , 186, 1413-8	5.4	17
126	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
125	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
124	T1-weighted fluid-attenuated inversion recovery at low field strength: a viable alternative for T1-weighted intracranial imaging. <i>American Journal of Neuroradiology</i> , 2003 , 24, 648-51	4.4	16
123	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
122	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

121	MR g-ratio-weighted connectome analysis in patients with multiple sclerosis. <i>Scientific Reports</i> , 2019 , 9, 13522	4.9	15
120	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
119	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
118	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
117	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
116	Microstructural Damage in Normal-Appearing Brain Parenchyma and Neurocognitive Dysfunction in Adult Moyamoya Disease. <i>Stroke</i> , 2018 , 49, 2504-2507	6.7	15
115	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
114	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
113	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
112	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
111	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
110	Utility of time-resolved three-dimensional magnetic resonance digital subtraction angiography without contrast material for assessment of intracranial dural arterio-venous fistula. <i>Acta Radiologica</i> , 2011 , 52, 808-12	2	13
109	Striatal subdivisions that coherently interact with multiple cerebrocortical networks. <i>Human Brain Mapping</i> , 2018 , 39, 4349-4359	5.9	13
108	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
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	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
105	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
104	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

103	Reduced visualization of cerebral infarction on diffusion-weighted images with short diffusion times. <i>Neuroradiology</i> , 2018 , 60, 979-982	3.2	11
102	Diffusional kurtosis imaging analysis in patients with hypertension. <i>Japanese Journal of Radiology</i> , 2014 , 32, 98-104	2.9	11
101	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
100	Time-resolved contrast-enhanced magnetic resonance digital subtraction angiography (MRDSA) in an infant with congenital pial arteriovenous fistula in the brain: a case report. <i>Childs Nervous System</i> , 2010 , 26, 1121-4	1.7	11
99	Mean diffusivity, fractional anisotropy maps, and three-dimensional white-matter tractography by diffusion tensor imaging. Comparison between single-shot fast spin-echo and single-shot echo-planar sequences at 1.5 Tesla. <i>European Radiology</i> , 2008 , 18, 830-4	8	11
98	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021 , 16, 4611-4638	3.8	11
97	Teaching Neuroimages: Obscured Cerebral Infarction on MRI. <i>Clinical Neuroradiology</i> , 2017 , 27, 519-520	2.7	10
96	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
95	Depressive symptoms in Parkinson 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
94	Scan-rescan and inter-vendor reproducibility of neurite orientation dispersion and density imaging metrics. <i>Neuroradiology</i> , 2020 , 62, 483-494	3.2	10
93	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
92	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
91	Choroid plexus cysts analyzed using diffusion-weighted imaging with short diffusion-time. <i>Magnetic Resonance Imaging</i> , 2019 , 57, 323-327	3.3	10
90	Intersite Reliability of Diffusion Tensor Imaging on Two 3T Scanners. <i>Magnetic Resonance in Medical Sciences</i> , 2015 , 14, 227-33	2.9	9
89	A new diffusion metric, diffusion kurtosis imaging, used in the serial examination of a patient with stroke. <i>Acta Radiologica Short Reports</i> , 2012 , 1,		9
88	Anterior cingulate abnormality as a neural correlate of mismatch negativity in schizophrenia. <i>Neuropsychobiology</i> , 2013 , 68, 197-204	4	9
87	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
86	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

85	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
84	Neurocognitive and psychiatric disorders-related axonal degeneration in Parkinson disease. <i>Journal of Neuroscience Research</i> , 2020 , 98, 936-949	4.4	8
83	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
82	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
81	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
80	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
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	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
77	Mean displacement map of spine and spinal cord disorders using high b-value q-space imaging-feasibility study. <i>Acta Radiologica</i> , 2011 , 52, 1155-8	2	7
76	q-space imaging (QSI) of the brain: comparison of displacement parameters by QSI and DWI. <i>Magnetic Resonance in Medical Sciences</i> , 2010 , 9, 109-10	2.9	7
75	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
74	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
73	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
72	White matter alterations in adult with autism spectrum disorder evaluated using diffusion kurtosis imaging. <i>Neuroradiology</i> , 2019 , 61, 1343-1353	3.2	6
71	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
70	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
69	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
68	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

67	MRI-based visualization of rTMS-induced cortical plasticity in the primary motor cortex. <i>PLoS ONE</i> , 2019 , 14, e0224175	3.7	6
66	High b-value q-space analyzed diffusion-weighted MRI using 1.5 tesla clinical scanner; determination of displacement parameters in the brains of normal versus multiple sclerosis and low-grade glioma subjects. <i>Journal of Neuroimaging</i> , 2012 , 22, 279-84	2.8	6
65	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
64	Lateral and dorsal column hyperintensity on magnetic resonance imaging in a patient with myelopathy associated with intrathecal chemotherapy. <i>Case Reports in Neurology</i> , 2013 , 5, 110-5	1	6
63	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
62	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
61	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
60	Low-Field Magnetic Resonance Imaging: Its History and Renaissance. <i>Investigative Radiology</i> , 2021 , 56, 669-679	10.1	6
59	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
58	The Infundibular Recess Passes through the Entire Pituitary Stalk. <i>Clinical Neuroradiology</i> , 2016 , 26, 465-469	4.7	5
57	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
56	Age-related white matter changes in high b-value q-space diffusion-weighted imaging. <i>Neuroradiology</i> , 2013 , 55, 253-9	3.2	5
55	Line-scan diffusion tensor MR imaging at 0.2 T: feasibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 22, 794-8	5.6	5
54	The assessment of myometrium perfusion in patients with uterine fibroid by arterial spin labeling MRI. <i>SpringerPlus</i> , 2016 , 5, 1907		5
53	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
52	Myomectomy reduces endometrial T2 relaxation times. <i>Fertility and Sterility</i> , 2011 , 95, 2781-3	4.8	4
51	The magnetic resonance Matas test: Feasibility and comparison with the conventional intraarterial balloon test occlusion with SPECT perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 21, 709-14	5.6	4
50	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

49	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
48	Signal Intensity within Cerebral Venous Sinuses on Synthetic MRI. <i>Magnetic Resonance in Medical Sciences</i> , 2020 , 19, 56-63	2.9	4
47	Symptom recovery and relationship to structure of corpus callosum in individuals with an at risk mental state. <i>Psychiatry Research - Neuroimaging</i> , 2018 , 272, 1-6	2.9	4
46	Transient Global Amnesia: A Diffusion and Perfusion MRI study. <i>Journal of Neuroimaging</i> , 2020 , 30, 828-838	2.3	3
45	Evaluation of white matter microstructure in patients with Parkinson disease using microscopic fractional anisotropy. <i>Neuroradiology</i> , 2020 , 62, 197-203	3.2	3
44	Regional brain gray matter volume in world-class artistic gymnasts. <i>Journal of Physiological Sciences</i> , 2020 , 70, 43	2.3	3
43	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
42	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
41	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
40	Changes in delta ADC reflect intracranial pressure changes in craniosynostosis. <i>Acta Radiologica Open</i> , 2017 , 6, 2058460117728535	1.2	2
39	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
38	Transient restricted diffusion of whole corpus callosum and symmetrical white matter in epilepsy. <i>Internal Medicine</i> , 2009 , 48, 583-4	1.1	2
37	Velocity-coded colour magnetic resonance angiography and perfusion-weighted magnetic resonance imaging for the evaluation of extracranial-to-intracranial arterial bypass surgery. <i>Clinical Neurology and Neurosurgery</i> , 2002 , 105, 48-59	2	2
36	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
35	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
34	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
33	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
32	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

31	White matter alterations in Parkinson's disease with levodopa-induced dyskinesia. <i>Parkinsonism and Related Disorders</i> , 2021 , 90, 8-14	3.6	2
30	Time-dependent Diffusion in Transient Splenic 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
29	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
28	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
27	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
26	Creutzfeldt-Jacob disease shown by line scan diffusion-weighted imaging. <i>American Journal of Roentgenology</i> , 2003 , 180, 1481-2	5.4	1
25	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
24	Peking University - Juntendo University Joint Symposium on Brain and Skin Diseases. <i>Juntendo Medical Journal</i> , 2016 , 62, 300-301	0.1	1
23	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
22	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
21	Technical Basics of Diffusion-Weighted Imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021 , 29, 129-136	1.6	1
20	Influence of Mild White Matter Lesions on Voxel-based Morphometry. <i>Magnetic Resonance in Medical Sciences</i> , 2021 , 20, 40-46	2.9	1
19	Diffusion MRI Captures White Matter Microstructure Alterations in PRKN Disease. <i>Journal of Parkinson's Disease</i> , 2021 , 11, 1221-1235	5.3	1
18	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
17	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
16	White matter and nigral alterations in multiple system atrophy-parkinsonian type. <i>Npj Parkinson's Disease</i> , 2021 , 7, 96	9.7	0
15	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
14	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

13	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
12	Distribution of estimated glomerular filtration rate (eGFR) values in patients receiving contrast-enhanced magnetic resonance imaging. <i>Japanese Journal of Radiology</i> , 2012 , 30, 116-9	2.9
11	A reply to the letter to the editor regarding "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, 1425	3.2
10	Comparison of true FISP with turbo SE in ovarian imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2004 , 3, 119-24	2.9
9	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
8	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
7	Myelin Imaging Can Be Affected by a Number of Factors. <i>American Journal of Neuroradiology</i> , 2020 , 41, E43-E44	4.4
6	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
5	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
4	Recent Topics of Brain MRI : Arterial Spin Labeling and New Diffusion Analysis(Neuroimaging Update). <i>Japanese Journal of Neurosurgery</i> , 2011 , 20, 655-664	0
3	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
2	Areal Parcellation and Nucleus-Level Analysis of Human Hypothalamus Using High-Resolution fMRI. <i>Juntendo Medical Journal</i> , 2018 , 64, 72-73	0.1
1	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