Tosiaki Miyati

List of Publications by Year
in descending order

165 papers	1,835 citations	331670 21 h-index	395702 33 g-index
203 all docs	203 docs citations	203 times ranked	2507 citing authors

#	Article	IF	Citations
1	Gd-EOB-DTPA-enhanced magnetic resonance imaging and alpha-fetoprotein predict prognosis of early-stage hepatocellular carcinoma. Hepatology, 2014, 60, 1674-1685.	7.3	104
2	Diffeomorphic Anatomical Registration Through Exponentiated Lie Algebra provides reduced effect of scanner for cortex volumetry with atlas-based method in healthy subjects. Neuroradiology, 2013, 55, 869-875.	2.2	95
3	Imaging parameter effects in apparent diffusion coefficient determination of magnetic resonance imaging. European Journal of Radiology, 2011, 77, 185-188.	2.6	72
4	Dual dynamic contrast-enhanced MR imaging. Journal of Magnetic Resonance Imaging, 1997, 7, 230-235.	3.4	70
5	Noninvasive MRI assessment of intracranial compliance in idiopathic normal pressure hydrocephalus. Journal of Magnetic Resonance Imaging, 2007, 26, 274-278.	3.4	69
6	Head Motion and Correction Methods in Resting-state Functional MRI. Magnetic Resonance in Medical Sciences, 2016, 15, 178-186.	2.0	57
7	Diffusion analysis with triexponential function in liver cirrhosis. Journal of Magnetic Resonance Imaging, 2013, 38, 148-153.	3.4	44
8	Frequency analyses of CSF flow on cine MRI in normal pressure hydrocephalus. European Radiology, 2003, 13, 1019-1024.	4.5	41
9	3 Tesla MRI detects accelerated hippocampal volume reduction in postmenopausal women. Journal of Magnetic Resonance Imaging, 2011, 33, 48-53.	3.4	38
10	Apparent Diffusion Coefficient Value Is Not Dependent on Magnetic Resonance Systems and Field Strength Under Fixed Imaging Parameters in Brain. Journal of Computer Assisted Tomography, 2015, 39, 760-765.	0.9	34
11	Motion artifact reduction of diffusionâ€weighted MRI of the liver: Use of velocityâ€compensated diffusion gradients combined with tetrahedral gradients. Journal of Magnetic Resonance Imaging, 2013, 37, 172-178.	3.4	33
12	Differentiation Between Luminal-A and Luminal-B Breast Cancer Using Intravoxel Incoherent Motion and Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Academic Radiology, 2017, 24, 1575-1581.	2.5	32
13	Influence of Gadoxetate Disodium on Oxygen Saturation and Heart Rate during Dynamic Contrast-enhanced MR Imaging. Radiology, 2015, 276, 756-765.	7.3	31
14	Modified triexponential analysis of intravoxel incoherent motion for brain perfusion and diffusion. Journal of Magnetic Resonance Imaging, 2016, 43, 818-823.	3.4	31
15	Hepatic fat quantification using the twoâ€point Dixon method and fat color maps based on nonâ€alcoholic fatty liver disease activity score. Hepatology Research, 2017, 47, 455-464.	3.4	31
16	Triexponential function analysis of diffusion-weighted MRI for diagnosing prostate cancer. Journal of Magnetic Resonance Imaging, 2016, 43, 138-148.	3.4	28
17	The Effect of Susceptibility of Gadolinium Contrast Media on Diffusion-weighted Imaging and the Apparent Diffusion Coefficient. Academic Radiology, 2008, 15, 867-872.	2.5	25
18	Apparent diffusion coefficient and fractional anisotropy in the vertebral bone marrow. Journal of Magnetic Resonance Imaging, 2010, 31, 632-635.	3.4	22

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19	Idiopathic Normal-Pressure Hydrocephalus: Temporal Changes in ADC during Cardiac Cycle. Radiology, 2011, 261, 560-565.	7.3	21
20	Effects of Image Distortion Correction on Voxel-based Morphometry. Magnetic Resonance in Medical Sciences, 2012, 11, 27-34.	2.0	20
21	Influence of Signal Intensity Non-Uniformity on Brain Volumetry Using an Atlas-Based Method. Korean Journal of Radiology, 2012, 13, 391.	3.4	19
22	Quantitative analysis of hepatic fat fraction by single-breath-holding MR spectroscopy with T 2 correction: phantom and clinical study with histologic assessment. Radiological Physics and Technology, 2013, 6, 219-225.	1.9	19
23	Entorhinal cortex volume measured with 3T MRI is positively correlated with the Wechsler Memory Scale-Revised logical/verbal memory score for healthy subjects. Neuroradiology, 2011, 53, 617-622.	2.2	18
24	Measurements of MTF and SNR(f) using a subtraction method in MRI. Physics in Medicine and Biology, 2002, 47, 2961-2972.	3.0	17
25	T 1Ï•mapping improvement using stretched-type adiabatic locking pulses for assessment of human liver function at 3 T. Magnetic Resonance Imaging, 2017, 40, 17-23.	1.8	17
26	Coronary high-signal-intensity plaques on T1-weighted magnetic resonance imaging reflect intraplaque hemorrhage. Cardiovascular Pathology, 2019, 40, 24-31.	1.6	17
27	Bulk motion-independent analyses of water diffusion changes in the brain during the cardiac cycle. Radiological Physics and Technology, 2009, 2, 133-137.	1.9	16
28	MR signal change in venous thrombus relates organizing process and thrombolytic response in rabbit. Magnetic Resonance Imaging, 2011, 29, 975-984.	1.8	16
29	Changes of Fractional Anisotropy and Apparent Diffusion Coefficient in Patients with Idiopathic Normal Pressure Hydrocephalus. Acta Neurochirurgica Supplementum, 2012, 113, 29-32.	1.0	16
30	Repeatability of Brain Volume Measurements Made with the Atlas-based Method from T₁-weighted Images Acquired Using a 0.4 Tesla Low Field MR Scanner. Magnetic Resonance in Medical Sciences, 2016, 15, 365-370.	2.0	14
31	Optimizing signal intensity correction during evaluation of hepatic parenchymal enhancement on gadoxetate disodium-enhanced MRI: Comparison of three methods. European Journal of Radiology, 2015, 84, 339-345.	2.6	13
32	Novel distortion correction method for diffusion-weighted imaging based on non-rigid image registration between low b value image and anatomical image. Magnetic Resonance Imaging, 2019, 57, 277-284.	1.8	13
33	Fast Phase-Contrast Cine MRI for Assessing Intracranial Hemodynamics and Cerebrospinal Fluid Dynamics. Diagnostics, 2020, 10, 241.	2.6	13
34	Accelerated hippocampal volume reduction in post-menopausal women: an additional study with Atlas-based method. Radiological Physics and Technology, 2011, 4, 185-188.	1.9	12
35	Time-spatial Labeling Inversion Pulse (Time-SLIP) with Pencil Beam Pulse: A Selective Labeling Technique for Observing Cerebrospinal Fluid Flow Dynamics. Magnetic Resonance in Medical Sciences, 2018, 17, 259-264.	2.0	12
36	Noninvasive Assessment of Advanced Fibrosis Based on Hepatic Volume in Patients with Nonalcoholic Fatty Liver Disease. Gut and Liver, 2017, 11, 674-683.	2.9	12

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37	An Experimental Comparison of Flat-Panel Detector Performance for Direct and Indirect Systems (Initial Experiences and Physical Evaluation). Journal of Digital Imaging, 2006, 19, 362-370.	2.9	11
38	Effects of Iodinated Contrast Agent on Diffusion Weighted Magnetic Resonance Imaging. Academic Radiology, 2009, 16, 1196-1200.	2.5	11
39	Association between iron content and gray matter missegmentation with voxelâ€based morphometry in basal ganglia. Journal of Magnetic Resonance Imaging, 2013, 38, 958-962.	3.4	11
40	Measurement of gantry rotation time in modern ct. Journal of Applied Clinical Medical Physics, 2014, 15, 303-308.	1.9	11
41	A novel method for evaluating enhancement using gadolinium-ethoxybenzyl-diethylenetriamine penta-acetic acid in the hepatobiliary phase of magnetic resonance imaging. Clinical Imaging, 2016, 40, 1112-1117.	1.5	11
42	Hepatobiliary phase images using gadolinium-ethoxybenzyl-diethylenetriamine penta-acetic acid-enhanced MRI as an imaging surrogate for the albuminâ€“bilirubin grading system. European Journal of Radiology, 2016, 85, 2206-2210.	2.6	11
43	Multicenter, multivendor phantom study to validate proton density fat fraction and T2* values calculated using vendor-provided 6-point DIXON methods. Clinical Imaging, 2018, 51, 38-42.	1.5	11
44	Distortion-free diffusion tensor imaging for evaluation of lumbar nerve roots: Utility of direct coronal single-shot turbo spin-echo diffusion sequence. Magnetic Resonance Imaging, 2018, 49, 78-85.	1.8	11
45	Investigation of extrusion of the medial meniscus under full weight-loading conditions using upright weight-loading magnetic resonance imaging and ultrasonography. Journal of Orthopaedic Science, 2020, 25, 652-657.	1.1	11
46	MRIâ€based assessment of acute effect of headâ€down tilt position on intracranial hemodynamics and hydrodynamics. Journal of Magnetic Resonance Imaging, 2018, 47, 565-571.	3.4	11
47	Development of a non-linear weighted hybrid cone-beam CT reconstruction for circular trajectories. Computerized Medical Imaging and Graphics, 2007, 31, 561-569.	5.8	10
48	Differentiation between phyllodes tumours and fibroadenomas using intravoxel incoherent motion magnetic resonance imaging: comparison with conventional diffusion-weighted imaging. British Journal of Radiology, 2018, 91, 20170687.	2.2	10
49	Combining Segmented Grey and White Matter Images Improves Voxel-based Morphometry for the Case of Dilated Lateral Ventricles. Magnetic Resonance in Medical Sciences, 2018, 17, 293-300.	2.0	10
50	A comparison of shimming techniques for optimizing fat suppression in MR mammography. Radiological Physics and Technology, 2013, 6, 486-491.	1.9	9
51	Diffusion analysis with triexponential function in hepatic steatosis. Radiological Physics and Technology, 2014, 7, 89-94.	1.9	9
52	Magnetic resonance imaging relaxation times of female reproductive organs. Acta Radiologica, 2015, 56, 997-1001.	1.1	9
53	Objective assessment of leg edema using ultrasonography with a gel pad. PLoS ONE, 2017, 12, e0182042.	2.5	9
54	Biexponential analysis of intravoxel incoherent motion in calf muscle before and after exercise: Comparisons with arterial spin labeling perfusion and T2. Magnetic Resonance Imaging, 2020, 72, 42-48.	1.8	9

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55	CT dose management of adult patients with unknown body weight using an effective diameter. European Journal of Radiology, 2021, 135, 109483.	2.6	9
56	The agreement of left ventricular function parameters between 99mTc-tetrofosmin gated myocardial SPECT and gated myocardial MRI. Annals of Nuclear Medicine, 2012, 26, 147-163.	2.2	8
57	Quantitative Assessment of Tissue Perfusion in Hepatocellular Carcinoma Using Perflubutane Dynamic Contrast-Enhanced Ultrasonography: A Preliminary Study. Diagnostics, 2015, 5, 210-218.	2.6	8
58	Evaluation of perfusion-related and true diffusion in vertebral bone marrow: a preliminary study. Radiological Physics and Technology, 2015, 8, 135-140.	1.9	8
59	Are the recorded data of flash glucose monitoring systems influenced by radiological examinations?. Radiological Physics and Technology, 2019, 12, 224-229.	1.9	8
60	Investigation of effects of urethane foam mattress hardness on skin and soft tissue deformation in the prone position using magnetic resonance imaging. Journal of Tissue Viability, 2019, 28, 14-20.	2.0	8
61	High Signal Intensity on Diffusion-Weighted Images Reflects Acute Phase of Deep Vein Thrombus. Thrombosis and Haemostasis, 2020, 120, 1463-1473.	3.4	8
62	Qualitative near-infrared vascular imaging system with tuned aperture computed tomography. Journal of Biomedical Optics, 2011, 16, 076004.	2.6	7
63	1.0 s Ultrafast MRI in non-sedated infants after reduction with spica casting for developmental dysplasia of the hip: A feasibility study. Journal of Children's Orthopaedics, 2016, 10, 193-199.	1.1	7
64	Technical Note: Development of a cranial phantom for assessing perfusion, diffusion, and biomechanics. Medical Physics, 2017, 44, 1646-1654.	3.0	7
65	Does gantry rotation time influence accuracy of volume computed tomography dose index (CTDI vol) in modern CT?. Physica Medica, 2017, 37, 43-48.	0.7	7
66	Atherosclerotic Lesions Rich in Macrophages or Smooth Muscle Cells Discriminated in Rabbit Iliac Arteries Based on T1 Relaxation Time and Lipid Content. Academic Radiology, 2010, 17, 230-238.	2.5	6
67	Acoustic Noise Transfer Function in Clinical MRI. Academic Radiology, 2011, 18, 101-106.	2.5	6
68	Hemodynamic analysis of bladder tumors using T1-dynamic contrast-enhanced fast spin-echo MRI. European Journal of Radiology, 2012, 81, 1682-1687.	2.6	6
69	Measurement of table feed speed in modern CT. Journal of Applied Clinical Medical Physics, 2014, 15, 275-281.	1.9	6
70	Evaluation of gantry rotation overrun in axial CT scanning. Journal of Applied Clinical Medical Physics, 2014, 15, 229-234.	1.9	6
71	Radiofrequency-shielding Effect of a Titanium Mesh Implanted for Cranioplasty. Magnetic Resonance in Medical Sciences, 2015, 14, 321-327.	2.0	6
72	Non-contrast coronary artery wall and plaque imaging using inversion-recovery prepared steady-state free precession. BMC Medical Imaging, 2015, 15, 26.	2.7	6

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73	Mis-segmentation in voxel-based morphometry due to a signal intensity change in the putamen. Radiological Physics and Technology, 2017, 10, 515-524.	1.9	6
74	Effect of gravity on portal venous flow: Evaluation using multiposture MRI. Journal of Magnetic Resonance Imaging, 2019, 50, 83-87.	3.4	6
75	7.Image Quality Assessment in Magnetic Resonance Imaging(The 57th Annual Scientific Congress). Japanese Journal of Radiological Technology, 2002, 58, 40-48.	0.1	6
76	Novel SNR determination method in parallel MRI. , 2006, 6142, 1244.		5
77	Improvement on detectability of early ischemic changes for acute stroke using nonenhanced computed tomography: Effect of matrix size. European Journal of Radiology, 2010, 76, 162-166.	2.6	5
78	MR perfusion imaging by alternate slab width inversion recovery arterial spin labeling (AIRASL): a technique with higher signal-to-noise ratio at 3.0ÂT. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 103-111.	2.0	5
79	Repeatability of Measured Brain Volume by Atlas-Based Method Using T1-Weighted Image. Journal of Digital Imaging, 2012, 25, 173-178.	2.9	5
80	Where should we measure the entrance air kerma rate during acceptance testing of the automatic dose control of a fluoroscopic system?. Radiological Physics and Technology, 2013, 6, 313-316.	1.9	5
81	Multiple-echo data image combination in infants with developmental dysplasia of the hip. Journal of Pediatric Orthopaedics Part B, 2014, 23, 37-43.	0.6	5
82	Depiction of branch vessels arising from intracranial aneurysm sacs: Time-of-flight MR angiography versus CT angiography. Clinical Neurology and Neurosurgery, 2014, 126, 177-184.	1.4	5
83	90Â°-Flip-angle three-dimensional double-echo steady-state (3D-DESS) magnetic resonance imaging of the knee: Isovoxel cartilage imaging at 3T. European Journal of Radiology, 2014, 83, 1429-1432.	2.6	5
84	An observational study comparing the prototype device with the existing device for the effective visualization of invisible veins in elderly patients in Japan. SAGE Open Medicine, 2015, 3, 205031211561536.	1.8	5
85	Long-term stability of beam quality and output of conventional X-ray units. Radiological Physics and Technology, 2015, 8, 26-29.	1.9	5
86	Influence of Gd-EOB-DTPA on proton density fat fraction using the six-echo Dixon method in 3 Tesla magnetic resonance imaging. Radiological Physics and Technology, 2017, 10, 483-488.	1.9	5
87	Assessment of the Quality of Breast MR Imaging Using the Modified Dixon Method and Frequency-Selective Fat Suppression: A Phantom Study. Magnetic Resonance in Medical Sciences, 2018, 17, 350-355.	2.0	5
88	Hemodynamically self-corrected Î”ADC analysis in idiopathic normal pressure hydrocephalus. British Journal of Radiology, 2019, 92, 20180553.	2.2	5
89	Visualization of Nigrosome 1 from the Viewpoint of Anatomic Structure. American Journal of Neuroradiology, 2020, 41, 86-91.	2.4	5
90	Changes in Apparent Diffusion Coefficient (ADC) during Cardiac Cycle of the Brain in Idiopathic Normal Pressure Hydrocephalus Before and After Cerebrospinal Fluid Drainage. Journal of Magnetic Resonance Imaging, 2021, 53, 1200-1207.	3.4	5

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91	Evaluation of CH3-DTPA-Gd (NMS60) as a new MR contrast agent: early phase II study in brain tumors and dual dynamic contrast-enhanced imaging. Magnetic Resonance Imaging, 2006, 24, 625-630.	1.8	4
92	A case of adenoid cystic carcinoma of the breast. Journal of Medical Ultrasonics (2001), 2007, 34, 193-196.	1.3	4
93	Algorithm for estimation of brain structural location from head surface shape in young children. NeuroReport, 2012, 23, 299-303.	1.2	4
94	Flour Pads: Devices to Improve CHESS Fat Suppression. Magnetic Resonance in Medical Sciences, 2014, 13, 33-38.	2.0	4
95	Database of normal japanese gray matter volumes in the default mode network. Journal of Magnetic Resonance Imaging, 2014, 39, 132-142.	3.4	4
96	Assessment of the interstitial fluid in the subcutaneous tissue of healthy adults using ultrasonography. SAGE Open Medicine, 2015, 3, 205031211561335.	1.8	4
97	Simultaneous detection of hepatocellular carcinoma and vessel thrombus by using SPIO-enhanced B-TFE with the T2 preparation pulse technique. Radiological Physics and Technology, 2017, 10, 234-239.	1.9	4
98	Novel practical SNR determination method for MRI using double echo with longest second echo time (DELSET). British Journal of Radiology, 2018, 91, 20170652.	2.2	4
99	The Effect of Single-Scan and Scan-Pair Intensity Inhomogeneity Correction Methods on Repeatability of Voxel-Based Morphometry With Multiple Magnetic Resonance Scanners. Journal of Computer Assisted Tomography, 2018, 42, 111-116.	0.9	4
100	Hybrid quantitative MRI using chemical shift displacement and recovery-based simultaneous water and lipid imaging: A preliminary study. Magnetic Resonance Imaging, 2018, 50, 61-67.	1.8	4
101	Brain magnetic resonance imaging using a customized vacuum shape-keeping immobilizer without sedation in preterm infants. Magnetic Resonance Imaging, 2018, 54, 171-175.	1.8	4
102	Functional Assessment of Lumbar Nerve Roots Using Coronal-plane Single-shot Turbo Spin-echo Diffusion Tensor Imaging. Magnetic Resonance in Medical Sciences, 2020, 19, 159-165.	2.0	4
103	Evaluation of gravity effect on inferior vena cava and abdominal aortic flow using multi-posture MRI. Acta Radiologica, 2020, 62, 028418512095011.	1.1	4
104	Optimal strategy for measuring intraventricular temperature using acceleration motion compensation diffusion-weighted imaging. Radiological Physics and Technology, 2020, 13, 136-143.	1.9	4
105	Relationship between Muscle Cross-Sectional Area by MRI and Muscle Thickness by Ultrasonography of the Triceps Surae in the Sitting Position. Healthcare (Switzerland), 2020, 8, 166.	2.0	4
106	Quantitative Analysis of Mobile Proteins in Normal Brain Tissue by Amide Proton Transfer Imaging: Age Dependence and Sex Differences. Journal of Computer Assisted Tomography, 2021, 45, 277-284.	0.9	4
107	Prediction of Sufficient Liver Enhancement on the Gadoxetate Disodium-enhanced Hepatobiliary Phase Imaging Using Transitional Phase Images and Albuminâ€“bilirubin Grade. Magnetic Resonance in Medical Sciences, 2021, 20, 152-159.	2.0	4
108	Diffusion-weighted Imaging of the Abdomen during a Single Breath-hold Using Simultaneous-multislice Echo-planar Imaging. Magnetic Resonance in Medical Sciences, 2023, 22, 253-262.	2.0	4

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109	Bilateral pre- and postcentral gyrus volume positively correlates with T2-SNR of putamen in healthy adults. Neuroradiology, 2013, 55, 245-250.	2.2	3
110	Transfer characteristics of arterial pulsatile force in regional intracranial tissue using dynamic diffusion MRI: A phantom study. Magnetic Resonance Imaging, 2014, 32, 1284-1289.	1.8	3
111	A method for assessing metabolic information on liver and bone marrow by use of double gradient-echo with spectral fat suppression. Radiological Physics and Technology, 2014, 7, 211-216.	1.9	3
112	Longitudinal gray-matter volume change in the default-mode network: utility of volume standardized with global gray-matter volume for Alzheimerâ€™s disease: a preliminary study. Radiological Physics and Technology, 2015, 8, 64-72.	1.9	3
113	Optimized 4D timeâ€ofâ€flight MR angiography using saturation pulse. Journal of Magnetic Resonance Imaging, 2016, 43, 1320-1326.	3.4	3
114	A mask method to assess the uniformity of fat suppression in phantom studies. Radiological Physics and Technology, 2019, 12, 417-425.	1.9	3
115	Coronary vessel wall visualization via three-dimensional turbo spin-echo black blood imaging in Kawasaki disease. Magnetic Resonance Imaging, 2019, 62, 159-166.	1.8	3
116	Morphological changes of lower leg muscles according to ankle joint position during sitting evaluated by gravity mri in young females. Journal of Physical Therapy Science, 2019, 31, 488-492.	0.6	3
117	Triexponential Diffusion Analysis of Diffusion-weighted Imaging for Breast Ductal Carcinoma <i>in Situ</i> and Invasive Ductal Carcinoma. Magnetic Resonance in Medical Sciences, 2021, 20, 396-403.	2.0	3
118	Comparison of each bundle of the spring ligament complex between the standing and supine positions: A multiposture magnetic resonance imaging study. Foot and Ankle Surgery, 2022, 28, 616-621.	1.7	3
119	Three-dimensional Gradient-echo is Effective in Suppressing Radiofrequency Shielding by a Titanium Mesh. Magnetic Resonance in Medical Sciences, 2021, 20, 182-189.	2.0	3
120	Diffusion-weighted MR Imaging of Deep Vein Thrombosis. Magnetic Resonance in Medical Sciences, 2016, 15, 144-145.	2.0	3
121	Diffusion-weighted breast magnetic resonance imaging with distortion correction using non-rigid image registration: a clinical study. Radiological Physics and Technology, 2020, 13, 210-218.	1.9	3
122	Separate pulmonary artery and vein magnetic resonance angiography by use of an arterial spin labeling method. Radiological Physics and Technology, 2014, 7, 352-357.	1.9	2
123	Preliminary study of apparent diffusion coefficient assessment after ion beam therapy for hepatocellular carcinoma. Radiological Physics and Technology, 2016, 9, 233-239.	1.9	2
124	Simulation of the modulation transfer function dependent on the partial Fourier fraction in dynamic contrast enhancement magnetic resonance imaging. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 825-831.	1.3	2
125	Water and lipid diffusion MRI using chemical shift displacement-based separation of lipid tissue (SPLIT). Magnetic Resonance Imaging, 2017, 39, 144-148.	1.8	2
126	Influence of arm position and respiration technique during liver examinations on the detectability of mammary lesions. Radiological Physics and Technology, 2018, 11, 328-337.	1.9	2

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127	Decreasing iron susceptibility with temperature in quantitative susceptibility mapping: A phantom study. Magnetic Resonance Imaging, 2020, 73, 55-61.	1.8	2
128	Inadequate object positioning and improvement of automatic exposure control system calculations based on an empirical algorithm. Physical and Engineering Sciences in Medicine, 2021, 44, 37-44.	2.4	2
129	Non-enhanced and Non-gated MR Angiography for Robust Visualization of Peripheral Arteries Using Enhanced Acceleration-selective Arterial Spin Labeling (eAccASL). Magnetic Resonance in Medical Sciences, 2021, 20, 312-319.	2.0	2
130	Effects of k-space orders on the time-intensity curves in dynamic contrast-enhanced magnetic resonance imaging of the breast based on simulation study. Magnetic Resonance Imaging, 2021, 79, 85-96.	1.8	2
131	Gravity magnetic resonance imaging measurement of muscle pump change accompanied by aging and posture. Japan Journal of Nursing Science, 2021, 18, e12407.	1.3	2
132	MTF Measurement in MRI Using a Complex Subtraction Method. Japanese Journal of Radiological Technology, 2001, 57, 1225-1232.	0.1	2
133	Cone-beam CT reconstruction using a nonlinear weighted filtered backprojection from half-scan data. , 2006, , .		1
134	Differentiation of hepatic tumors by use of image contrast with T2-weighted MRI. Radiological Physics and Technology, 2009, 2, 54-57.	1.9	1
135	Lingering fat signals with CHESS in simultaneous imaging of both hands can be improved with rice pads in both 1.5T and 3.0T. European Journal of Radiology, 2013, 82, 1458-1462.	2.6	1
136	Dynamic state of water molecular displacement of the brain during the cardiac cycle in idiopathic normal pressure hydrocephalus. Computerized Medical Imaging and Graphics, 2015, 40, 88-93.	5.8	1
137	Reply to: On the perils of multiexponential fitting of diffusion MR data. Journal of Magnetic Resonance Imaging, 2017, 45, 1548-1548.	3.4	1
138	Influence of Gd-EOB-DTPA on T1 dependence of the proton density fat fraction using magnetic resonance spectroscopy. Radiological Physics and Technology, 2018, 11, 338-344.	1.9	1
139	Measurement of the cross-sectional area of the hamstring muscles during initial and stretch positions with gravity magnetic resonance imaging. Journal of Physical Therapy Science, 2019, 31, 267-272.	0.6	1
140	Drug concentration estimation using contrast-enhanced MRI in intra-arterial chemotherapy for head and neck cancers. Auris Nasus Larynx, 2021, 48, 496-501.	1.2	1
141	Quantification of Regional Cerebral Blood Flow Using Diffusion Imaging With Phase Contrast. Journal of Magnetic Resonance Imaging, 2021, 54, 1678-1686.	3.4	1
142	Cardiovascular magnetic resonance virtual tagging with B-spline-based free-form deformation. Magnetic Resonance Imaging, 2021, 83, 169-177.	1.8	1
143	Evaluation of Hemodynamics by Simultaneously Obtaining Dynamic Contrast-enhanced T_1 and R_2^* Studies(DUCE imaging). Japanese Journal of Radiological Technology, 1997, 53, 1103-1110.	0.1	1
144	Three-Dimensional Fat-Suppressed Steady-State Free Precession Imaging for Female Reproductive Organs. Journal of Medical Imaging and Health Informatics, 2016, 6, 746-752.	0.3	1

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145	Echo-planar imaging is superior to fast spin-echo diffusion-weighted imaging for cranioplasty using titanium mesh in brain magnetic resonance imaging: a phantom study. Radiological Physics and Technology, 2021, , 1.	1.9	1
146	Evaluation of motion artifacts in brain magnetic resonance images using convolutional neural network-based prediction of full-reference image quality assessment metrics. Journal of Medical Imaging, 2022, 9, 015502.	1.5	1
147	Differences in apparent diffusion coefficients between normal brain echo-planar images and turbo spin-echo diffusion-weighted images with distortion correction. European Journal of Radiology, 2022, 149, 110202.	2.6	1
148	Magnetic resonance imaging applied to the assessment of intact yellowtail (Seriola) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (q	1.8	1
149	Combined maximum b â€value and echo time: A practical method for determining the signalâ€toâ€noise ratio for magnetic resonance images. Journal of Applied Clinical Medical Physics, 2022, 23, .	1.9	1
150	Sigmoid model analysis of breast dynamic contrastâ€enhanced MRI: Distinguishing between benign and malignant breast masses and breast cancer subtype prediction. Journal of Applied Clinical Medical Physics, 2022, 23, e13651.	1.9	1
151	Development of a new three-dimensional image reconstruction algorithm to reduce cone-beam artifacts. , 2005, 5745, 1046.		0
152	Development of identification of the central sulcus in brain magnetic resonance imaging. Radiological Physics and Technology, 2011, 4, 53-60.	1.9	0
153	Estimation of the life expectancy of a filament of the conventional X-ray unit: a technical case study. Radiological Physics and Technology, 2015, 8, 107-110.	1.9	0
154	Accuracy of gantry rotation time of less than 300Âms for modern MDCT systems. Radiological Physics and Technology, 2015, 8, 141-145.	1.9	0
155	Modified triexponential analysis of intravoxel incoherent motion for brain perfusion and diffusion. Journal of Magnetic Resonance Imaging, 2016, 43, spcone-spcone.	3.4	0
156	Identification of syllables best recognized in acoustic-stimulated functional magnetic resonance imaging. Radiological Physics and Technology, 2018, 11, 36-42.	1.9	0
157	Merging images with different central frequencies reduces banding artifacts in balanced steadyâ€state free precession magnetic resonance cisternography. Journal of Applied Clinical Medical Physics, 2018, 19, 234-243.	1.9	0
158	Evaluation of contrast and denoising effects related to imaging parameters of compressed sensitivity encoding in contrast-enhanced magnetic resonance imaging. Radiological Physics and Technology, 2021, 14, 193-202.	1.9	0
159	Effect of Brain Pulsation on ADC Change During Cardiac Cycle : Analysis Using Bulk-Motion-Compensated Diffusion Encoding [Presidential Award Proceedings]. Japanese Journal of Magnetic Resonance in Medicine, 2021, 41, 35-36.	0.0	0
160	Morphological changes in the long axis of the lower leg muscles during isometric contraction in the sitting position. Journal of Physical Therapy Science, 2020, 32, 828-832.	0.6	0
161	Intratumor hemodynamics using contrast-enhanced MRI in intra-arterial chemotherapy for head and neck cancers. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2021, , .	0.4	0
162	Development of a novel taskâ€based functional magnetic resonance imaging phantom based on a bubbleâ€compression approach. Medical Physics, 2022, , .	3.0	0

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163	Temperature measurement of intracranial cerebrospinal fluid using second-order motion compensation diffusion tensor imaging. Physics in Medicine and Biology, 2021, 66, 24NT01.	3.0	0
164	Spatial analysis of acoustic noise transfer function with a human-body phantom in a clinical MRI scanner. Acta Radiologica, 2023, 64, 1212-1221.	1.1	0
165	Reliability of lower leg muscle thickness measurement along the long axis of the muscle using ultrasound imaging, in a sitting position. Journal of Physical Therapy Science, 2022, 34, 515-521.	0.6	0