

# Tosiaki Miyati

## List of Publications by Year in descending order

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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	Diffusion-weighted Imaging of the Abdomen during a Single Breath-hold Using Simultaneous-multislice Echo-planar Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2023, 22, 253-262.	2.0	4
2	Spatial analysis of acoustic noise transfer function with a human-body phantom in a clinical MRI scanner. <i>Acta Radiologica</i> , 2023, 64, 1212-1221.	1.1	0
3	Comparison of each bundle of the spring ligament complex between the standing and supine positions: A multiposture magnetic resonance imaging study. <i>Foot and Ankle Surgery</i> , 2022, 28, 616-621.	1.7	3
4	Evaluation of motion artifacts in brain magnetic resonance images using convolutional neural network-based prediction of full-reference image quality assessment metrics. <i>Journal of Medical Imaging</i> , 2022, 9, 015502.	1.5	1
5	Differences in apparent diffusion coefficients between normal brain echo-planar images and turbo spin-echo diffusion-weighted images with distortion correction. <i>European Journal of Radiology</i> , 2022, 149, 110202.	2.6	1
6	Development of a novel task-based functional magnetic resonance imaging phantom based on a bubble-compression approach. <i>Medical Physics</i> , 2022, , .	3.0	0
7	Magnetic resonance imaging applied to the assessment of intact yellowtail ( <i>Seriola</i> ) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 505	1.8	1
8	Combined maximum $b$ -value and echo time: A practical method for determining the signal-to-noise ratio for magnetic resonance images. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, .	1.9	1
9	Sigmoid model analysis of breast dynamic contrast-enhanced MRI: Distinguishing between benign and malignant breast masses and breast cancer subtype prediction. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13651.	1.9	1
10	Reliability of lower leg muscle thickness measurement along the long axis of the muscle using ultrasound imaging, in a sitting position. <i>Journal of Physical Therapy Science</i> , 2022, 34, 515-521.	0.6	0
11	Drug concentration estimation using contrast-enhanced MRI in intra-arterial chemotherapy for head and neck cancers. <i>Auris Nasus Larynx</i> , 2021, 48, 496-501.	1.2	1
12	Inadequate object positioning and improvement of automatic exposure control system calculations based on an empirical algorithm. <i>Physical and Engineering Sciences in Medicine</i> , 2021, 44, 37-44.	2.4	2
13	Changes in Apparent Diffusion Coefficient ( ADC) during Cardiac Cycle of the Brain in Idiopathic Normal Pressure Hydrocephalus Before and After Cerebrospinal Fluid Drainage. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1200-1207.	3.4	5
14	Triexponential Diffusion Analysis of Diffusion-weighted Imaging for Breast Ductal Carcinoma &in Situ& and Invasive Ductal Carcinoma. <i>Magnetic Resonance in Medical Sciences</i> , 2021, 20, 396-403.	2.0	3
15	Non-enhanced and Non-gated MR Angiography for Robust Visualization of Peripheral Arteries Using Enhanced Acceleration-selective Arterial Spin Labeling (eAccASL). <i>Magnetic Resonance in Medical Sciences</i> , 2021, 20, 312-319.	2.0	2
16	CT dose management of adult patients with unknown body weight using an effective diameter. <i>European Journal of Radiology</i> , 2021, 135, 109483.	2.6	9
17	Quantitative Analysis of Mobile Proteins in Normal Brain Tissue by Amide Proton Transfer Imaging: Age Dependence and Sex Differences. <i>Journal of Computer Assisted Tomography</i> , 2021, 45, 277-284.	0.9	4
18	Evaluation of contrast and denoising effects related to imaging parameters of compressed sensitivity encoding in contrast-enhanced magnetic resonance imaging. <i>Radiological Physics and Technology</i> , 2021, 14, 193-202.	1.9	0

#	ARTICLE	IF	CITATIONS
19	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
20	Quantification of Regional Cerebral Blood Flow Using Diffusion Imaging With Phase Contrast. Journal of Magnetic Resonance Imaging, 2021, 54, 1678-1686.	3.4	1
21	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
22	Cardiovascular magnetic resonance virtual tagging with B-spline-based free-form deformation. Magnetic Resonance Imaging, 2021, 83, 169-177.	1.8	1
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Visualization of Nigrosome 1 from the Viewpoint of Anatomic Structure. American Journal of Neuroradiology, 2020, 41, 86-91.	2.4	5
31	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
32	Decreasing iron susceptibility with temperature in quantitative susceptibility mapping: A phantom study. Magnetic Resonance Imaging, 2020, 73, 55-61.	1.8	2
33	High Signal Intensity on Diffusion-Weighted Images Reflects Acute Phase of Deep Vein Thrombus. Thrombosis and Haemostasis, 2020, 120, 1463-1473.	3.4	8
34	Evaluation of gravity effect on inferior vena cava and abdominal aortic flow using multi-posture MRI. Acta Radiologica, 2020, 62, 028418512095011.	1.1	4
35	Optimal strategy for measuring intraventricular temperature using acceleration motion compensation diffusion-weighted imaging. Radiological Physics and Technology, 2020, 13, 136-143.	1.9	4
36	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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37	Relationship between Muscle Cross-Sectional Area by MRI and Muscle Thickness by Ultrasonography of the Triceps Surae in the Sitting Position. <i>Healthcare (Switzerland)</i> , 2020, 8, 166.	2.0	4
38	Fast Phase-Contrast Cine MRI for Assessing Intracranial Hemodynamics and Cerebrospinal Fluid Dynamics. <i>Diagnostics</i> , 2020, 10, 241.	2.6	13
39	Diffusion-weighted breast magnetic resonance imaging with distortion correction using non-rigid image registration: a clinical study. <i>Radiological Physics and Technology</i> , 2020, 13, 210-218.	1.9	3
40	Morphological changes in the long axis of the lower leg muscles during isometric contraction in the sitting position. <i>Journal of Physical Therapy Science</i> , 2020, 32, 828-832.	0.6	0
41	A mask method to assess the uniformity of fat suppression in phantom studies. <i>Radiological Physics and Technology</i> , 2019, 12, 417-425.	1.9	3
42	Coronary vessel wall visualization via three-dimensional turbo spin-echo black blood imaging in Kawasaki disease. <i>Magnetic Resonance Imaging</i> , 2019, 62, 159-166.	1.8	3
43	Morphological changes of lower leg muscles according to ankle joint position during sitting evaluated by gravity mri in young females. <i>Journal of Physical Therapy Science</i> , 2019, 31, 488-492.	0.6	3
44	Measurement of the cross-sectional area of the hamstring muscles during initial and stretch positions with gravity magnetic resonance imaging. <i>Journal of Physical Therapy Science</i> , 2019, 31, 267-272.	0.6	1
45	Coronary high-signal-intensity plaques on T1-weighted magnetic resonance imaging reflect intraplaque hemorrhage. <i>Cardiovascular Pathology</i> , 2019, 40, 24-31.	1.6	17
46	Are the recorded data of flash glucose monitoring systems influenced by radiological examinations?. <i>Radiological Physics and Technology</i> , 2019, 12, 224-229.	1.9	8
47	Hemodynamically self-corrected $\hat{\rho}$ ADC analysis in idiopathic normal pressure hydrocephalus. <i>British Journal of Radiology</i> , 2019, 92, 20180553.	2.2	5
48	Novel distortion correction method for diffusion-weighted imaging based on non-rigid image registration between low b value image and anatomical image. <i>Magnetic Resonance Imaging</i> , 2019, 57, 277-284.	1.8	13
49	Investigation of effects of urethane foam mattress hardness on skin and soft tissue deformation in the prone position using magnetic resonance imaging. <i>Journal of Tissue Viability</i> , 2019, 28, 14-20.	2.0	8
50	Effect of gravity on portal venous flow: Evaluation using multiposture MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 83-87.	3.4	6
51	Identification of syllables best recognized in acoustic-stimulated functional magnetic resonance imaging. <i>Radiological Physics and Technology</i> , 2018, 11, 36-42.	1.9	0
52	Novel practical SNR determination method for MRI using double echo with longest second echo time (DELSET). <i>British Journal of Radiology</i> , 2018, 91, 20170652.	2.2	4
53	Multicenter, multivendor phantom study to validate proton density fat fraction and T2* values calculated using vendor-provided 6-point DIXON methods. <i>Clinical Imaging</i> , 2018, 51, 38-42.	1.5	11
54	Distortion-free diffusion tensor imaging for evaluation of lumbar nerve roots: Utility of direct coronal single-shot turbo spin-echo diffusion sequence. <i>Magnetic Resonance Imaging</i> , 2018, 49, 78-85.	1.8	11

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55	The Effect of Single-Scan and Scan-Pair Intensity Inhomogeneity Correction Methods on Repeatability of Voxel-Based Morphometry With Multiple Magnetic Resonance Scanners. <i>Journal of Computer Assisted Tomography</i> , 2018, 42, 111-116.	0.9	4
56	Hybrid quantitative MRI using chemical shift displacement and recovery-based simultaneous water and lipid imaging: A preliminary study. <i>Magnetic Resonance Imaging</i> , 2018, 50, 61-67.	1.8	4
57	Differentiation between phyllodes tumours and fibroadenomas using intravoxel incoherent motion magnetic resonance imaging: comparison with conventional diffusion-weighted imaging. <i>British Journal of Radiology</i> , 2018, 91, 20170687.	2.2	10
58	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.	2.0	10
59	Merging images with different central frequencies reduces banding artifacts in balanced steady-state free precession magnetic resonance cisternography. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 234-243.	1.9	0
60	Brain magnetic resonance imaging using a customized vacuum shape-keeping immobilizer without sedation in preterm infants. <i>Magnetic Resonance Imaging</i> , 2018, 54, 171-175.	1.8	4
61	Influence of arm position and respiration technique during liver examinations on the detectability of mammary lesions. <i>Radiological Physics and Technology</i> , 2018, 11, 328-337.	1.9	2
62	Influence of Gd-EOB-DTPA on T1 dependence of the proton density fat fraction using magnetic resonance spectroscopy. <i>Radiological Physics and Technology</i> , 2018, 11, 338-344.	1.9	1
63	Assessment of the Quality of Breast MR Imaging Using the Modified Dixon Method and Frequency-Selective Fat Suppression: A Phantom Study. <i>Magnetic Resonance in Medical Sciences</i> , 2018, 17, 350-355.	2.0	5
64	Time-spatial Labeling Inversion Pulse (Time-SLIP) with Pencil Beam Pulse: A Selective Labeling Technique for Observing Cerebrospinal Fluid Flow Dynamics. <i>Magnetic Resonance in Medical Sciences</i> , 2018, 17, 259-264.	2.0	12
65	MRI-based assessment of acute effect of head-down tilt position on intracranial hemodynamics and hydrodynamics. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 565-571.	3.4	11
66	Simultaneous detection of hepatocellular carcinoma and vessel thrombus by using SPIO-enhanced B-TFE with the T2 preparation pulse technique. <i>Radiological Physics and Technology</i> , 2017, 10, 234-239.	1.9	4
67	Technical Note: Development of a cranial phantom for assessing perfusion, diffusion, and biomechanics. <i>Medical Physics</i> , 2017, 44, 1646-1654.	3.0	7
68	Water and lipid diffusion MRI using chemical shift displacement-based separation of lipid tissue (SPLIT). <i>Magnetic Resonance Imaging</i> , 2017, 39, 144-148.	1.8	2
69	T1-mapping improvement using stretched-type adiabatic locking pulses for assessment of human liver function at 3 T. <i>Magnetic Resonance Imaging</i> , 2017, 40, 17-23.	1.8	17
70	Does gantry rotation time influence accuracy of volume computed tomography dose index (CTDI vol) in modern CT?. <i>Physica Medica</i> , 2017, 37, 43-48.	0.7	7
71	Influence of Gd-EOB-DTPA on proton density fat fraction using the six-echo Dixon method in 3 Tesla magnetic resonance imaging. <i>Radiological Physics and Technology</i> , 2017, 10, 483-488.	1.9	5
72	Mis-segmentation in voxel-based morphometry due to a signal intensity change in the putamen. <i>Radiological Physics and Technology</i> , 2017, 10, 515-524.	1.9	6

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73	Differentiation Between Luminal-A and Luminal-B Breast Cancer Using Intravoxel Incoherent Motion and Dynamic Contrast-Enhanced Magnetic Resonance Imaging. <i>Academic Radiology</i> , 2017, 24, 1575-1581.	2.5	32
74	Reply to: On the perils of multiexponential fitting of diffusion MR data. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1548-1548.	3.4	1
75	Hepatic fat quantification using the two-point Dixon method and fat color maps based on non-alcoholic fatty liver disease activity score. <i>Hepatology Research</i> , 2017, 47, 455-464.	3.4	31
76	Objective assessment of leg edema using ultrasonography with a gel pad. <i>PLoS ONE</i> , 2017, 12, e0182042.	2.5	9
77	Noninvasive Assessment of Advanced Fibrosis Based on Hepatic Volume in Patients with Nonalcoholic Fatty Liver Disease. <i>Gut and Liver</i> , 2017, 11, 674-683.	2.9	12
78	Head Motion and Correction Methods in Resting-state Functional MRI. <i>Magnetic Resonance in Medical Sciences</i> , 2016, 15, 178-186.	2.0	57
79	Optimized 4D time-of-flight MR angiography using saturation pulse. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1320-1326.	3.4	3
80	Triexponential function analysis of diffusion-weighted MRI for diagnosing prostate cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 138-148.	3.4	28
81	Preliminary study of apparent diffusion coefficient assessment after ion beam therapy for hepatocellular carcinoma. <i>Radiological Physics and Technology</i> , 2016, 9, 233-239.	1.9	2
82	Simulation of the modulation transfer function dependent on the partial Fourier fraction in dynamic contrast enhancement magnetic resonance imaging. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016, 39, 825-831.	1.3	2
83	A novel method for evaluating enhancement using gadolinium-ethoxybenzyl-diethylenetriamine penta-acetic acid in the hepatobiliary phase of magnetic resonance imaging. <i>Clinical Imaging</i> , 2016, 40, 1112-1117.	1.5	11
84	Hepatobiliary phase images using gadolinium-ethoxybenzyl-diethylenetriamine penta-acetic acid-enhanced MRI as an imaging surrogate for the albumin-bilirubin grading system. <i>European Journal of Radiology</i> , 2016, 85, 2206-2210.	2.6	11
85	1.0 s Ultrafast MRI in non-sedated infants after reduction with spica casting for developmental dysplasia of the hip: A feasibility study. <i>Journal of Children's Orthopaedics</i> , 2016, 10, 193-199.	1.1	7
86	Modified triexponential analysis of intravoxel incoherent motion for brain perfusion and diffusion. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 818-823.	3.4	31
87	Modified triexponential analysis of intravoxel incoherent motion for brain perfusion and diffusion. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, spcone-spcone.	3.4	0
88	Diffusion-weighted MR Imaging of Deep Vein Thrombosis. <i>Magnetic Resonance in Medical Sciences</i> , 2016, 15, 144-145.	2.0	3
89	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. <i>Magnetic Resonance in Medical Sciences</i> , 2016, 15, 365-370.	2.0	14
90	Three-Dimensional Fat-Suppressed Steady-State Free Precession Imaging for Female Reproductive Organs. <i>Journal of Medical Imaging and Health Informatics</i> , 2016, 6, 746-752.	0.3	1

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91	Assessment of the interstitial fluid in the subcutaneous tissue of healthy adults using ultrasonography. <i>SAGE Open Medicine</i> , 2015, 3, 205031211561335.	1.8	4
92	An observational study comparing the prototype device with the existing device for the effective visualization of invisible veins in elderly patients in Japan. <i>SAGE Open Medicine</i> , 2015, 3, 205031211561536.	1.8	5
93	Apparent Diffusion Coefficient Value Is Not Dependent on Magnetic Resonance Systems and Field Strength Under Fixed Imaging Parameters in Brain. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 760-765.	0.9	34
94	Radiofrequency-shielding Effect of a Titanium Mesh Implanted for Cranioplasty. <i>Magnetic Resonance in Medical Sciences</i> , 2015, 14, 321-327.	2.0	6
95	Quantitative Assessment of Tissue Perfusion in Hepatocellular Carcinoma Using Perflubutane Dynamic Contrast-Enhanced Ultrasonography: A Preliminary Study. <i>Diagnostics</i> , 2015, 5, 210-218.	2.6	8
96	Optimizing signal intensity correction during evaluation of hepatic parenchymal enhancement on gadoxetate disodium-enhanced MRI: Comparison of three methods. <i>European Journal of Radiology</i> , 2015, 84, 339-345.	2.6	13
97	Dynamic state of water molecular displacement of the brain during the cardiac cycle in idiopathic normal pressure hydrocephalus. <i>Computerized Medical Imaging and Graphics</i> , 2015, 40, 88-93.	5.8	1
98	Estimation of the life expectancy of a filament of the conventional X-ray unit: a technical case study. <i>Radiological Physics and Technology</i> , 2015, 8, 107-110.	1.9	0
99	Evaluation of perfusion-related and true diffusion in vertebral bone marrow: a preliminary study. <i>Radiological Physics and Technology</i> , 2015, 8, 135-140.	1.9	8
100	Long-term stability of beam quality and output of conventional X-ray units. <i>Radiological Physics and Technology</i> , 2015, 8, 26-29.	1.9	5
101	Longitudinal gray-matter volume change in the default-mode network: utility of volume standardized with global gray-matter volume for Alzheimer's disease: a preliminary study. <i>Radiological Physics and Technology</i> , 2015, 8, 64-72.	1.9	3
102	Accuracy of gantry rotation time of less than 300Âms for modern MDCT systems. <i>Radiological Physics and Technology</i> , 2015, 8, 141-145.	1.9	0
103	Non-contrast coronary artery wall and plaque imaging using inversion-recovery prepared steady-state free precession. <i>BMC Medical Imaging</i> , 2015, 15, 26.	2.7	6
104	Influence of Gadoxetate Disodium on Oxygen Saturation and Heart Rate during Dynamic Contrast-enhanced MR Imaging. <i>Radiology</i> , 2015, 276, 756-765.	7.3	31
105	Magnetic resonance imaging relaxation times of female reproductive organs. <i>Acta Radiologica</i> , 2015, 56, 997-1001.	1.1	9
106	Flour Pads: Devices to Improve CHES Fat Suppression. <i>Magnetic Resonance in Medical Sciences</i> , 2014, 13, 33-38.	2.0	4
107	Transfer characteristics of arterial pulsatile force in regional intracranial tissue using dynamic diffusion MRI: A phantom study. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1284-1289.	1.8	3
108	Multiple-echo data image combination in infants with developmental dysplasia of the hip. <i>Journal of Pediatric Orthopaedics Part B</i> , 2014, 23, 37-43.	0.6	5



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109	Diffusion analysis with triexponential function in hepatic steatosis. Radiological Physics and Technology, 2014, 7, 89-94.	1.9	9
110	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
111	Database of normal Japanese gray matter volumes in the default mode network. Journal of Magnetic Resonance Imaging, 2014, 39, 132-142.	3.4	4
112	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
113	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
114	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
115	90°-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
116	Measurement of gantry rotation time in modern ct. Journal of Applied Clinical Medical Physics, 2014, 15, 303-308.	1.9	11
117	Measurement of table feed speed in modern CT. Journal of Applied Clinical Medical Physics, 2014, 15, 275-281.	1.9	6
118	Evaluation of gantry rotation overrun in axial CT scanning. Journal of Applied Clinical Medical Physics, 2014, 15, 229-234.	1.9	6
119	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
120	Bilateral pre- and postcentral gyrus volume positively correlates with T2-SNR of putamen in healthy adults. Neuroradiology, 2013, 55, 245-250.	2.2	3
121	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
122	A comparison of shimming techniques for optimizing fat suppression in MR mammography. Radiological Physics and Technology, 2013, 6, 486-491.	1.9	9
123	Lingering fat signals with CHES 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
124	Quantitative analysis of hepatic fat fraction by single-breath-holding MR spectroscopy with T2 correction: phantom and clinical study with histologic assessment. Radiological Physics and Technology, 2013, 6, 219-225.	1.9	19
125	Motion artifact reduction of diffusion-weighted MRI of the liver: Use of velocity-compensated diffusion gradients combined with tetrahedral gradients. Journal of Magnetic Resonance Imaging, 2013, 37, 172-178.	3.4	33
126	Association between iron content and gray matter missegmentation with voxel-based morphometry in basal ganglia. Journal of Magnetic Resonance Imaging, 2013, 38, 958-962.	3.4	11



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127	Diffusion analysis with triexponential function in liver cirrhosis. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 148-153.	3.4	44
128	Algorithm for estimation of brain structural location from head surface shape in young children. <i>NeuroReport</i> , 2012, 23, 299-303.	1.2	4
129	Effects of Image Distortion Correction on Voxel-based Morphometry. <i>Magnetic Resonance in Medical Sciences</i> , 2012, 11, 27-34.	2.0	20
130	Hemodynamic analysis of bladder tumors using T1-dynamic contrast-enhanced fast spin-echo MRI. <i>European Journal of Radiology</i> , 2012, 81, 1682-1687.	2.6	6
131	Influence of Signal Intensity Non-Uniformity on Brain Volumetry Using an Atlas-Based Method. <i>Korean Journal of Radiology</i> , 2012, 13, 391.	3.4	19
132	The agreement of left ventricular function parameters between <sup>99m</sup> Tc-tetrofosmin gated myocardial SPECT and gated myocardial MRI. <i>Annals of Nuclear Medicine</i> , 2012, 26, 147-163.	2.2	8
133	MR perfusion imaging by alternate slab width inversion recovery arterial spin labeling (AIRASL): a technique with higher signal-to-noise ratio at 3.0T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 103-111.	2.0	5
134	Repeatability of Measured Brain Volume by Atlas-Based Method Using T1-Weighted Image. <i>Journal of Digital Imaging</i> , 2012, 25, 173-178.	2.9	5
135	Changes of Fractional Anisotropy and Apparent Diffusion Coefficient in Patients with Idiopathic Normal Pressure Hydrocephalus. <i>Acta Neurochirurgica Supplementum</i> , 2012, 113, 29-32.	1.0	16
136	Acoustic Noise Transfer Function in Clinical MRI. <i>Academic Radiology</i> , 2011, 18, 101-106.	2.5	6
137	Imaging parameter effects in apparent diffusion coefficient determination of magnetic resonance imaging. <i>European Journal of Radiology</i> , 2011, 77, 185-188.	2.6	72
138	MR signal change in venous thrombus relates organizing process and thrombolytic response in rabbit. <i>Magnetic Resonance Imaging</i> , 2011, 29, 975-984.	1.8	16
139	Entorhinal cortex volume measured with 3T MRI is positively correlated with the Wechsler Memory Scale-Revised logical/verbal memory score for healthy subjects. <i>Neuroradiology</i> , 2011, 53, 617-622.	2.2	18
140	Development of identification of the central sulcus in brain magnetic resonance imaging. <i>Radiological Physics and Technology</i> , 2011, 4, 53-60.	1.9	0
141	Accelerated hippocampal volume reduction in post-menopausal women: an additional study with Atlas-based method. <i>Radiological Physics and Technology</i> , 2011, 4, 185-188.	1.9	12
142	3 Tesla MRI detects accelerated hippocampal volume reduction in postmenopausal women. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 48-53.	3.4	38
143	Idiopathic Normal-Pressure Hydrocephalus: Temporal Changes in ADC during Cardiac Cycle. <i>Radiology</i> , 2011, 261, 560-565.	7.3	21
144	Qualitative near-infrared vascular imaging system with tuned aperture computed tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 076004.	2.6	7

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145	Apparent diffusion coefficient and fractional anisotropy in the vertebral bone marrow. Journal of Magnetic Resonance Imaging, 2010, 31, 632-635.	3.4	22
146	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
147	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
148	Differentiation of hepatic tumors by use of image contrast with T2-weighted MRI. Radiological Physics and Technology, 2009, 2, 54-57.	1.9	1
149	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
150	Effects of Iodinated Contrast Agent on Diffusion Weighted Magnetic Resonance Imaging. Academic Radiology, 2009, 16, 1196-1200.	2.5	11
151	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
152	Noninvasive MRI assessment of intracranial compliance in idiopathic normal pressure hydrocephalus. Journal of Magnetic Resonance Imaging, 2007, 26, 274-278.	3.4	69
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