

日本磁気共鳴医学会優秀論文賞

Year	Author	Title
2025	宮崎 美津恵	Physical Exercise Alters Egress Pathways for Intrinsic CSF Outflow: An Investigation Performed with Spin-labeling MR Imaging
2024	長縄 慎二	Peripheral Retinal Leakage after Intravenous Administration of a Gadolinium-based Contrast Agent: Age Dependence, Temporal and Inferior Predominance and Potential Implications for Eye Homeostasis
	谷口 陽	Three-dimensional Multi-parameter Mapping of Relaxation Times and Susceptibility Using Partially RF-spoiled Gradient Echo
2023	ハツ代 諭	Evaluation of Cardiac- and Respiratory-driven Cerebrospinal Fluid Motions by Applying the S-transform to Steady-state Free Precession Phase Contrast Imaging
2022	押尾 晃一	The Spatial Distribution of Water Components with Similar T2 May Provide Insight into Pathways for Large Molecule Transportation in the Brain
2021	竹原 康雄	Abnormal Flow Dynamics Result in Low Wall Shear Stress and High Oscillatory Shear Index in Abdominal Aortic Dilatation: Initial in vivo Assessment with 4D-flow MRI
	入江 隆介	A Novel Deep Learning Approach with a 3D Convolutional Ladder Network for Differential Diagnosis of Idiopathic Normal Pressure Hydrocephalus and Alzheimer's Disease
2020	和田 昭彦	Differentiating Alzheimer's Disease from Dementia with Lewy Bodies Using a Deep Learning Technique Based on Structural Brain Connectivity
	國松 聡	Machine Learning-based Texture Analysis of Contrast-enhanced MR Imaging to Differentiate between Glioblastoma and Primary Central Nervous System Lymphoma
2019	工藤 興亮	Indirect Proton MR Imaging and Kinetic Analysis of 17 O-Labeled Water Tracer in the Brain
	ハツ代 諭	Cardiac-driven Pulsatile Motion of Intracranial Cerebrospinal Fluid Visualized Based on a Correlation Mapping Technique
2018	長縄 慎二	Gd-based Contrast Enhancement of the Perivascular Spaces in the Basal
	井手 智	Internal Structures of the Globus Pallidus in Patients with Parkinson's Disease: Evaluation with Phase Difference-enhanced Imaging
2017	神谷 昂平	Machine Learning of DTI Structural Brain Connectomes for Lateralization of Temporal Lobe Epilepsy
	木村 徳典	Magnitude-based Asymmetric Fourier Imaging (MagAFI)
2016	尾藤 良孝	Diffusion-weighted Line-scan Echo-planar Spectroscopic Imaging Technique to Reduce Motion Artifacts in Metabolite Diffusion Imaging
	山崎 文恵	Structure and Size-selective Permeability of the Synovial Membrane of the Temporomandibular Joint of the Mouse Measured by MR Imaging at 7T
2015	押尾 晃一	Interpretation of Diffusion MR Imaging Data using a Gamma Distribution Model
	増谷 佳孝	Fast and Robust Estimation of Diffusional Kurtosis Imaging (DKI) Parameters by General Closed-form Expressions and their Extensions
2014	梶原 万里子	Effect of the Menstrual Cycle on Background Parenchymal Enhancement in Breast MR Imaging
	城石 大	Natural Course of Hypovascular Nodules Detected on Gadoxetic Acid-enhanced MR Imaging: Presence of Fat is a Risk Factor for Hypervascularization
2013	高山 幸久	Ytterbium-based PARACEST Agent: Feasibility of CEST Imaging on a Clinical MR Scanner
	市川 新太郎	Magnetic Resonance Elastography for Staging Liver Fibrosis in Chronic Hepatitis C
2012	相馬 努	Statistical Parametric Mapping for Effects of Verapamil on Olfactory Connections of Rat Brain in Vivo using Manganese-enhanced MR Imaging
	鈴木 真紗子	Detection of Active Plaques in Multiple Sclerosis using Susceptibility-weighted Imaging: Comparison with Gadolinium-enhanced MR Imaging
2011	梅沢 栄三	Multi-shelled q-ball Imaging: Moment-based Orientation Distribution Function
	松島 正哉	Diagnostic Value of SPIO-mediated Breath-hold, Black-blood, Fluid-attenuated, Inversion Recovery (BH-BB-FLAIR) Imaging in Patients with Hepatocellular Carcinomas

2010	田村 元	How Does Water Diffusion in Human White Matter Change Following Ischemic Stroke?
	木村 徳典	Reference-based Maximum Upslope: A CBF Quantification Method without Using Arterial Input Function in Dynamic Susceptibility Contrast MRI
2009	長尾 泰輔	Development of a Noninvasive Method to Measure Intravascular and Intracardiac Pressure Differences Using Magnetic Resonance Imaging
	木村 敦臣	A Simple Method for Quantitative Measurement and Analysis of Hyperpolarized ^{129}Xe Uptake Dynamics in Mouse Brain under Controlled Flow
2008	村中 博幸	Dependence of RF Heating on SAR and Implant Position in a 1.5T MR System
	松田 善正	Imaging of a Large Collection of Human Embryo Using a Super-Parallel MR Microscope
	佐々木 真理	Standardizing Display Conditions of Diffusion-weighted Images Using Concurrent b_0 Images: A Multi-vendor Multi-institutional Study
2007	藤井 博匡	Development of an ESR/MR Dual-imaging System as a Tool to Detect Bioradicals
	柴田 恵理	Age-related Changes in Locus Coeruleus on Neuromelanin Magnetic Resonance Imaging at 3 Tesla
2006	若井 篤志	A Method for Measuring the Decay Time of Hyperpolarized ^{129}Xe Magnetization in Rat Brain without Estimation of RF Flip Angles
	谷本 伸弘	Hepatocyte-targeted MR contrast agents: Contrast enhanced detection fo liver cancer in diffusely damaged liver