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A review of normal tissue hydrogen NMR relaxation times and relaxation mechanisms from 1-100 MHz: dependence on tissue type, NMR frequency, temperature, species, excision, and age

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#	Paper	IF	Citations
946	In vivo nuclear magnetic resonance chemical shift imaging by selective irradiation. 1984 , 81, 6856-60		52
945	Nuclear magnetic resonance imaging, a new approach to the investigation of refractory temporal lobe epilepsy. 1985 , 26, 555-62		77
944	Changes of relaxation times T1 and T2 in rat tissues after biopsy and fixation. <i>Magnetic Resonance Imaging</i> , 1985 , 3, 245-50	3.3	60
943	Calculated T1 images derived from a partial saturation-inversion recovery pulse sequence with adiabatic fast passage. <i>Magnetic Resonance Imaging</i> , 1985 , 3, 107-16	3.3	22
942	Interpolative computation of spin-lattice relaxation times from signal ratios. <i>Magnetic Resonance in Medicine</i> , 1985 , 2, 234-44	4.4	10
941	Magnetic resonance imaging of the extremities. I. Technique for depiction of normal anatomy. 1985 , 26, 299-302		3
940	Magnetic resonance imaging of the musculoskeletal system. 1985 , 26, 225-34		21
939	Magnetic resonance imaging of the extremities. II. T1 and T2 relaxation times of muscle and fat. Normal values, reproducibility and dependence on physiologic variations. 1985 , 26, 413-6		9
938	Magnetic resonance (MR) cine imaging of the human heart. 1985 , 58, 711-6		25
937	Modeling of proton spin relaxation in muscle tissue using nuclear magnetic resonance spin grouping and exchange analysis. 1986 , 50, 181-91		34
936	Characterization of human pathological papillary muscles by 1H-NMR spectroscopic and histologic analysis. 1986 , 11, 231-4		6
935	The Wellcome Foundation lecture, 1984. Nuclear magnetic resonance imaging in medicine: medical and biological applications and problems. 1986 , 226, 391-419		3
934	NMR: principles, applications and recent advances. 1986 , 30, 268-80		
933	Nuclear magnetic resonance imaging characterization of a rat mammary tumor. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 1-9	4.4	15
932	Optimization of signal-to-noise ratio in calculated T1 images derived from two spin-echo images. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 63-75	4.4	26
931	In vitro 1H NMR "mapping" of human intervertebral discs. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 146-9	4.4	4
930	Multiple field strength in vivo T1 and T2 for cerebrospinal fluid protons. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 303-11	4.4	70

929	Effect of induced field inhomogeneity on transverse proton NMR relaxation in tissue water and model systems. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 425-31	4.4	15
928	Projection angiograms of blood labeled by adiabatic fast passage. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 454-62	4.4	248
927	Two-point T1 measurement: wide-coverage optimizations by stochastic simulations. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 518-33	4.4	7
926	Multipurpose NMR imaging using stimulated echoes. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 554-61	4.4	11
925	The intrinsic signal-to-noise ratio in NMR imaging. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 604-18	4.4	576
924	Reproducibility of relaxation and spin-density parameters in phantoms and the human brain measured by MR imaging at 1.5 T. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 649-62	4.4	67
923	The field dependence of NMR imaging. II. Arguments concerning an optimal field strength. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 730-46	4.4	112
922	In vitro proton T1 and T2 studies on rat liver: analysis of multiexponential relaxation processes. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 863-75	4.4	34
921	T1, T2, and relative proton density at 0.35 T for spleen, liver, adipose tissue, and vertebral body: normal values. <i>Magnetic Resonance in Medicine</i> , 1986 , 3, 901-10	4.4	11
920	The magnetic field dependence of the breathing artifact. <i>Magnetic Resonance Imaging</i> , 1986 , 4, 387-392	3.3	31
919	Numerical T1 computation from NMR intensity ratios. <i>Magnetic Resonance Imaging</i> , 1986 , 4, 311-9	3.3	1
918	Protein dynamics and the NMR relaxation time T1 of water in biological systems. 1986 , 70, 79-88		4
917	Image contrast and pulse sequences in urinary tract magnetic resonance imaging. 1986 , 8, 120-6		3
916	NMR relaxation study of water protons in Syrian hamster fetal cells at 300 MHz. 1986 , 8, 213-20		5
915	Myocardial proton spin-lattice relaxation times in vitro: Effect of elapsed time after excision. <i>Magnetic Resonance Imaging</i> , 1986 , 4, 473-478	3.3	3
914	¹ H-NMR relaxation times and water compartmentalization in experimental tumor models. <i>Magnetic Resonance Imaging</i> , 1986 , 4, 335-42	3.3	36
913	A multinuclear magnetic resonance imaging technique--simultaneous proton and sodium imaging. <i>Magnetic Resonance Imaging</i> , 1986 , 4, 343-50	3.3	19
912	Basic physics of nuclear magnetic resonance. 1986 , 8, 225-37		2

911	Proton magnetic resonance relaxation times T1 and T2 related to postmortem interval. An investigation on porcine brain tissue. 1986 , 27, 115-8		13
910	Regional differences in the proton magnetic resonance relaxation times T1 and T2 within the normal human brain. 1986 , 27, 231-4		15
909	Longitudinal relaxation time measurements with non-uniform tilt angles. 1986 , 31, 1229-36		2
908	Improved determination of spin density, T1 and T2 from a three-parameter fit to multiple-delay-multiple-echo (MDME) NMR images. 1986 , 31, 1361-80		9
907	Proton magnetic relaxation dispersion in aqueous biopolymer systems. 1986 , 59, 483-505		10
906	Evaluation of Relaxation Time Measurements by Magnetic Resonance Imaging: A Phantom Study. 1987 , 28, 345-351		21
905	Magnetic Resonance Relaxation Characteristics of Muscle, Fat and Bone Marrow of the Extremities: Normal Values in a Low Field Strength Unit. 1987 , 28, 363-364		2
904	An Attempt to Characterize Malignant Lymphoma in Spleen, Liver and Lymph Nodes with Magnetic Resonance Imaging. 1987 , 28, 527-533		14
903	Two-dimensional spatially selective spin inversion and spin-echo refocusing with a single nuclear magnetic resonance pulse. 1987 , 62, 4284-4290		65
902	NMR imaging of the orbit: An initial evaluation and comparison with CT. 1987 , 6, 85-99		1
901	Phosphorylated metabolites in tumors, tissues, and cell lines. 1987 , 508, 229-40		23
900	Modifications of relaxation times induced by radiation therapy in cervical carcinoma: preliminary results. 1987 , 38, 569-73		5
899	Magnetic resonance imaging at 0.02 T in clinical practice and research. <i>Magnetic Resonance Imaging</i> , 1987 , 5, 179-87	3-3	11
898	Multi-exponential relaxation analysis with MR imaging and NMR spectroscopy using fat-water systems. <i>Magnetic Resonance Imaging</i> , 1987 , 5, 381-92	3-3	42
897	The effect of dexamethasone on tissue water distribution and proton relaxation in Panc02 tumors. <i>Magnetic Resonance Imaging</i> , 1987 , 5, 483-92	3-3	3
896	Magnetic resonance imaging of acute intracerebral hematomas: in vivo and in vitro studies. 1987 , 10, 53-6		1
895	Errors in T2 estimation using multislice multiple-echo imaging. <i>Magnetic Resonance in Medicine</i> , 1987 , 4, 34-47	4-4	146
894	In vivo proton spin-lattice relaxation times of normal and dystrophic muscles. <i>Magnetic Resonance in Medicine</i> , 1987 , 4, 153-61	4-4	6

893	Biological tissue simulation and standard testing material for MRI. <i>Magnetic Resonance in Medicine</i> , 1987 , 4, 189-92	4.4	23
892	Cardiac T1 calculations from MR spin-echo images. <i>Magnetic Resonance in Medicine</i> , 1987 , 4, 227-43	4.4	7
891	Simplified mathematical description of longitudinal recovery in multiple-echo sequences. <i>Magnetic Resonance in Medicine</i> , 1987 , 4, 282-8	4.4	15
890	¹ H NMR relaxation measurements of human tissues in situ by spatially resolved spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1987 , 4, 431-40	4.4	32
889	NMR spectroscopy of heterogeneous solid-liquid mixtures. Spin grouping and exchange analysis of proton spin relaxation in a tissue. <i>Magnetic Resonance in Medicine</i> , 1987 , 4, 537-54	4.4	28
888	Modified stimulated echo sequence for elimination of signals from stationary spins in MRI. <i>Magnetic Resonance in Medicine</i> , 1987 , 5, 196-200	4.4	18
887	Effect of the sampling rate on magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1987 , 5, 278-85	4.4	27
886	Diabetes insipidus secondary to intracranial sarcoidosis confirmed by low-field magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1987 , 5, 466-70	4.4	7
885	An MRI phantom material for quantitative relaxometry. <i>Magnetic Resonance in Medicine</i> , 1987 , 5, 555-62	4.4	75
884	Water phases in rat striated muscles as determined by T2 proton NMR relaxation times. <i>Magnetic Resonance Imaging</i> , 1987 , 5, 267-72	3.3	96
883	Spin-lattice relaxation times of bound water--its determination and implications for tissue discrimination. <i>Magnetic Resonance Imaging</i> , 1987 , 5, 415-20	3.3	23
882	An analysis of fast imaging sequences with steady-state transverse magnetization refocusing. <i>Magnetic Resonance in Medicine</i> , 1988 , 6, 175-93	4.4	212
881	Deuterium NMR cerebral imaging in situ. <i>Magnetic Resonance in Medicine</i> , 1988 , 8, 35-44	4.4	34
880	High-resolution ¹ H NMR spectroscopy in the diagnosis of breast cancer. <i>Magnetic Resonance in Medicine</i> , 1988 , 8, 440-9	4.4	17
879	The relationship between serum water proton T1 and protein content in the P388 leukemic mouse and the effect of chemotherapy by cis-diamminedichloroplatinum(II). <i>NMR in Biomedicine</i> , 1988 , 1, 80-9	4.4	2
878	Identification and 3-D quantification of atherosclerosis using magnetic resonance imaging. 1988 , 18, 89-102		54
877	Is the magnetic resonance imaging proton spin-lattice relaxation time a reliable noninvasive parameter of developing liver fibrosis?. 1988 , 8, 217-21		15
876	Isointense model for the evaluation of tumor-specific MRI contrast agents. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 275-80	3.3	9

875	II. A protocol for in vitro proton relaxation studies. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 179-184	3-3	21
874	A mathematical model for signal from spins flowing during the application of spin echo pulse sequences. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 437-61	3-3	33
873	SNR improvement in NMR microscopy using DEFT. 1988 , 80, 482-492		1
872	A simple approach to T2 imaging in MRI. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 641-6	3-3	12
871	MRI of thorostrastoma. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 717-20	3-3	1
870	Multi-center trial with an in vitro NMR protocol. EEC Concerted Research Project. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 185-94	3-3	12
869	Preparation of agarose gels as reference substances for NMR relaxation time measurement. EEC Concerted Action Program. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 215-22	3-3	56
868	Tissue characterization of benign brain tumors: use of NMR-tissue parameters. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 463-72	3-3	32
867	Application of the maximum likelihood principle to separate exponential terms in T2 relaxation of nuclear magnetic resonance. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 27-40	3-3	16
866	A research method for MRI tissue characterization studies using small coils for excised organs. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 41-8	3-3	
865	Proton MR properties of lyophilized urine samples from normal and stone former individuals. <i>Magnetic Resonance Imaging</i> , 1988 , 6, 49-52	3-3	1
864	Tomography by nuclear magnetic resonance. 1988 , 11, 1-32		1
863	Relative merits of MRI, transrectal endosonography and CT in diagnosis and staging of carcinoma of prostate. 1988 , 31, 530-7		24
862	Assessment of lung water distribution by nuclear magnetic resonance. A new method for quantifying and monitoring experimental lung injury. 1988 , 137, 1371-8		25
861	Non-obstructive kidney transplant dysfunction: magnetic resonance evaluation. 1988 , 61, 473-9		9
860	Comparison of Different Pulse Sequences for in Vivo Determination of T1 Relaxation Times in the Human Brain. 1988 , 29, 231-236		6
859	NMR imaging in theory and in practice. 1988 , 33, 635-70		13
858	Nuclear magnetic resonance relaxometry in a penicillin model of focal epilepsy. 1988 , 29, 396-400		7

857	Enhancement of Contrast in Magnetic Resonance Images by Paramagnetic Agents: Possibilities and Problems. 1988 , 28, 345-353		10
856	Magnetic resonance imaging: present status and future perspectives. 1988 , 61, 889-97		5
855	Magnetic resonance microscopy of chemically-induced liver foci. 1989 , 17, 613-6		9
854	A test material for tissue characterisation and system calibration in MRI. 1989 , 34, 5-22		39
853	Comparison of NMR Water Proton T1 Measurements in Healthy and Pathological Blood. 1989 , 22, 925-933		4
852	Method Dependence of Proton Spin-Lattice Relaxation Analysis in Biologic Tissues. 1989 , 30, 97-100		3
851	Simulation of Biologic Tissues by Using Agar Gels at Magnetic Resonance Imaging. 1989 , 30, 667-669		12
850	Low Field Magnetic Resonance Imaging of Focal Hepatic Masses at 0.02 T. 1989 , 30, 591-595		
849	Clinical implications of nuclear magnetic resonance lung research. 1989 , 96, 643-52		16
848	Proton magnetic resonance studies of triethyltin-induced edema during perinatal brain development in rabbits. 1989 , 70, 432-40		14
847	Imaging orofacial tissues by magnetic resonance. 1989 , 68, 2-8		27
846	Regional variation in rat brain proton relaxation times and water content. <i>Magnetic Resonance Imaging</i> , 1989 , 7, 141-3	3-3	9
845	Magnetic resonance imaging of normal and pathological white matter maturation. 1989 , 19, 346		
844	In vivo proton NMR studies of normal rat liver. 1989 , 83, 595-600		
843	The effect of aging and storage conditions on excised tissues as monitored by longitudinal relaxation dispersion profiles. <i>Magnetic Resonance in Medicine</i> , 1989 , 9, 315-24	4-4	19
842	Characterization of normal brain tissue using seven calculated MRI parameters and a statistical analysis system. <i>Magnetic Resonance in Medicine</i> , 1989 , 11, 22-34	4-4	29
841	Computing material-selective projection images in MR. <i>Magnetic Resonance in Medicine</i> , 1989 , 11, 135-51	4-4	5
840	Relaxation measurements at 300 MHz using MR microscopy. <i>Magnetic Resonance in Medicine</i> , 1989 , 11, 182-92	4-4	31

839	In vitro NMR characterization of mammalian myocardium: effect of specimen integrity on relaxation times. <i>Magnetic Resonance in Medicine</i> , 1989 , 11, 367-70	4-4	2
838	Regional effects of repetition time on NMR quantitation of water in normal and edematous lungs. <i>Magnetic Resonance in Medicine</i> , 1989 , 12, 137-44	4-4	5
837	¹ H magnetic resonance of human tumours. Analysis of the transverse relaxation of the methylene protons using continuous distributions of relaxation times. <i>NMR in Biomedicine</i> , 1989 , 2, 142-50	4-4	12
836	Quantitative magnetic resonance imaging of vertebral bodies: a T1 and T2 study. <i>Magnetic Resonance Imaging</i> , 1989 , 7, 17-23	3-3	29
835	Variations of the ¹ H spin-lattice relaxation in a fatty liver model as compared to normal liver. <i>Magnetic Resonance Imaging</i> , 1989 , 7, 343-50	3-3	7
834	Two-exponential analysis of spin-spin proton relaxation times in MR imaging using surface coils. <i>Magnetic Resonance Imaging</i> , 1989 , 7, 357-62	3-3	10
833	In vitro 4 MHz NMR proton relaxation times and in vitro mechanical behavior at low extension of human common carotid arterial wall. <i>Magnetic Resonance Imaging</i> , 1989 , 7, 173-7	3-3	4
832	Nuclear-magnetic-resonance imaging of leaves of <i>Mesembryanthemum crystallinum</i> L. plants grown at high salinity. 1989 , 178, 524-30		58
831	Modeling sickle cell vasoocclusion in the rat leg: quantification of trapped sickle cells and correlation with ³¹ P metabolic and ¹ H magnetic resonance imaging changes. 1989 , 86, 3808-12		27
830	Magnetic resonance of diseased skeletal muscle: combined T1 measurement and chemical shift imaging. 1990 , 63, 591-6		25
829	Effect of tissue fat and water content on nuclear magnetic resonance relaxation times of cardiac and skeletal muscle. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 605-11	3-3	24
828	Hydration feature of urinary compounds. Evidence for molecular abnormality in calcium oxalate urolithiasis. 1990 , 18, 7-11		
827	Comparison of ³¹ P MRS and ¹ H MRI at 1.5 and 2.0 T. <i>Magnetic Resonance in Medicine</i> , 1990 , 13, 228-38	4-4	22
826	Phosphate metabolite imaging and concentration measurements in human heart by nuclear magnetic resonance. <i>Magnetic Resonance in Medicine</i> , 1990 , 14, 425-34	4-4	124
825	High-resolution NMR spectroscopy of cerebral white matter in multiple sclerosis. <i>Magnetic Resonance in Medicine</i> , 1990 , 15, 229-39	4-4	34
824	Cooperative T1 and T2 effects on contrast using a new driven inversion spin-echo (DISE) MRI pulse sequence. <i>Magnetic Resonance in Medicine</i> , 1990 , 15, 397-419	4-4	6
823	Nuclear relaxation of human brain gray and white matter: analysis of field dependence and implications for MRI. <i>Magnetic Resonance in Medicine</i> , 1990 , 16, 317-34	4-4	136
822	Motion-insensitive, steady-state free precession imaging. <i>Magnetic Resonance in Medicine</i> , 1990 , 16, 444-59	4-4	140

821	Magnetic resonance imaging of the thoracic cavity using a paused 3DFT acquisition technique. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 747-53	3-3	2
820	Changes in MR signal intensity and contrast enhancement of therapeutically irradiated soft tissue. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 771-7	3-3	20
819	Fast and precise T1 imaging using a TOMROP sequence. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 351-6	3-3	152
818	Incidental magnetization transfer contrast in standard multislice imaging. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 417-22	3-3	98
817	Prolonged T1 in patients with liver cirrhosis: an in vivo MRI study. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 599-604	3-3	42
816	Determination of T1- and T2-relaxation times in the spleen of patients with splenomegaly. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 39-42	3-3	7
815	Variable flip angle imaging and fat suppression in combined gradient and spin-echo (GREASE) techniques. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 131-9	3-3	15
814	Highly Effective Water Suppression for in vivo proton NMR Spectroscopy (DRYSTEAM). 1990 , 88, 28-41		17
813	Effects of nonlinear signal detection on NMR relaxation time analysis. 1990 , 90, 279-289		
812	Fast methods for fitting biexponentials especially applicable to MRI multiecho data. 1990 , 35, 399-411		2
811	.		4
810	Optimization Of The Excitation RF Pulse In Combined Inversion Recovery Gradient And Spin-echo (ir-crease) Technique.		
809	Proton nuclear magnetic resonance relaxation rates in aqueous solutions of amino acids. 1990 , 70, 903-919		10
808	Functional magnetic resonance imaging in medicine and physiology. 1990 , 250, 53-61		150
807	Evaluation of proton density by magnetic resonance imaging: phantom experiments and analysis of multiple component proton transverse relaxation. 1990 , 35, 53-66		34
806	Intracellular water in Artemia cysts (brine shrimp): Investigations by deuterium and oxygen-17 nuclear magnetic resonance. 1990 , 58, 483-91		6
805	Biological and NMR markers for cancer. 1991 , 50, 147-90		5
804	Image Contrast In Gradient And Spin-echo MRI As A Function Of Field Strength.		1

803	Some biophysical applications of motional contrast in n.m.r. microscopy. 1991 , 13, 181-9		8
802	NMR spin grouping and correlation exchange analysis. Application to low hydration NaDNA paracrystals. 1991 , 59, 221-34		11
801	Principles of Magnetic Resonance Imaging. 1991 , 127-155		1
800	Noninvasive Diagnostic Imaging in Hemoglobinopathies. 1991 , 5, 517-533		4
799	Future Directions of Laser Phototherapy for Diagnosis and Treatment of Malignancies: Fantasy, Fallacy, or Reality?. 1991 , 101, 1-10		1
798	Ultra-fast imaging. <i>Magnetic Resonance Imaging</i> , 1991 , 9, 1-37	3-3	192
797	Image analysis and quantification of atherosclerosis using MRI. 1991 , 15, 207-16		13
796	The response of the KHT sarcoma to radiotherapy as measured by water proton NMR relaxation times: relationships with tumor volume and water content. 1991 , 20, 497-507		12
795	Studies of the T1 and T2 of intracellular water as a function of frequency in normal and transformed fetal cells. 1991 , 18, 193-202		
794	In vivo proton relaxation times analysis of the skin layers by magnetic resonance imaging. 1991 , 97, 120-5		90
793	Flow-independent magnetic resonance projection angiography. <i>Magnetic Resonance in Medicine</i> , 1991 , 17, 126-40	4-4	77
792	In vivo brain water determination by T1 measurements: effect of total water content, hydration fraction, and field strength. <i>Magnetic Resonance in Medicine</i> , 1991 , 17, 402-13	4-4	115
791	Evidence for a contribution of paramagnetic ions to water proton spin-lattice relaxation in normal and malignant mouse tissues. <i>Magnetic Resonance in Medicine</i> , 1991 , 18, 280-93	4-4	16
790	Diffusion of water in tissues and MRI. <i>Magnetic Resonance in Medicine</i> , 1991 , 19, 214-6	4-4	31
789	SLIP, a lipid suppression technique to improve image contrast in inflow angiography. <i>Magnetic Resonance in Medicine</i> , 1991 , 21, 71-81	4-4	9
788	The magnetic field dependence of proton spin relaxation in tissues. <i>Magnetic Resonance in Medicine</i> , 1991 , 21, 117-26	4-4	83
787	Pulsed NMR relaxometry of striated muscle fibers. <i>Magnetic Resonance in Medicine</i> , 1991 , 21, 264-81	4-4	66
786	NMR studies of intracellular water at 300 MHz: T2-specific relaxation mechanisms in synchronized or EGF-stimulated cells. <i>Magnetic Resonance in Medicine</i> , 1991 , 22, 68-80	4-4	5

785	Imaging of diffusion and microcirculation with gradient sensitization: design, strategy, and significance. 1991 , 1, 7-28		231
784	Interventricular differences in myocardial T2 measurements: experimental and clinical studies. 1991 , 1, 513-20		3
783	In vivo quantitation of water content in muscle tissues by NMR imaging. <i>Magnetic Resonance Imaging</i> , 1991 , 9, 621-5	3.3	18
782	Nickel-Doped Agarose Gel Phantoms in MR Imaging. 1991 , 32, 426-431		57
781	The variation of proton density in agarose gels used as NMR test substances through the use of glass beads. 1991 , 36, 541-6		6
780	Interstitial 1.06 Nd:YAG laser thermotherapy for brain tumors under real-time monitoring of MRI: experimental study and phase I clinical trial. 1992 , 10, 355-61		24
779	Evaluation of left ventricular segmental wall motion in hypertrophic cardiomyopathy with myocardial tagging. 1992 , 86, 1919-28		170
778	Magnetic Resonance Imaging of Intracranial Tumors: Tissue Characterization by Means of Texture Analysis. 1992 , 2, 12-17		7
777	Effects of hypothermia on evoked potentials, magnetic resonance imaging, and blood flow in focal ischemia in rabbits. 1992 , 23, 889-93		74
776	Calibration of a 0.08 Tesla magnetic resonance imager for in vivo T1 and T2 measurement. 1992 , 65, 438-42		4
775	A comparison of neural network and fuzzy clustering techniques in segmenting magnetic resonance images of the brain. 1992 , 3, 672-82		371
774	Monoclonal antibody-coated magnetite particles as contrast agents for MR imaging and laser therapy of human tumors. 1992 , 10, 159-69		8
773	Single-shot magnetic resonance imaging: applications to angiography. 1992 , 15, 32-42		7
772	Proton NMR relaxation times in the normal human liver at 0.08 T. 1992 , 45, 302-6		5
771	Quantitative magnetic resonance imaging in heroin- and cocaine-dependent men: a preliminary study. 1992 , 45, 15-23		19
770	Viscosity of water in hibernating and nonhibernating mammals estimated by proton NMR relaxation times. 1992 , 29, 523-32		2
769	Interstitial photoablative laser therapy guided by magnetic resonance imaging for the treatment of deep tumors. 1992 , 8, 233-41		27
768	Acquisition and evaluation of tagged magnetic resonance images of the human left ventricle. 1992 , 16, 73-80		15

767	Magnetic resonance imaging of the uterus at an ultra low (0.02 T) magnetic field. <i>Magnetic Resonance Imaging</i> , 1992 , 10, 195-205	3-3	4
766	Partial angle inversion recovery (PAIR) MR imaging: spin-echo and snapshot implementation. <i>Magnetic Resonance Imaging</i> , 1992 , 10, 207-15	3-3	7
765	Consideration of random errors in the quantitative imaging of NMR relaxation. 1992 , 100, 101-122		2
764	Estimating the severity of osteoarthritis with magnetic resonance spectroscopy. 1992 , 21, 227-38		11
763	In vivo NMR T2 relaxation of experimental brain tumors in the cat: a multiparameter tissue characterization. <i>Magnetic Resonance Imaging</i> , 1992 , 10, 935-47	3-3	30
762	Tissue characterization by image processing subtraction: windowing of specific T1 values. <i>Magnetic Resonance Imaging</i> , 1992 , 10, 989-95	3-3	2
761	Fat and water differentiation by nuclear magnetic resonance imaging. 1992 , 4, 53-71		17
760	T1 rho dispersion imaging and localized T1 rho dispersion relaxometry: application in vivo to mouse adenocarcinoma. <i>Magnetic Resonance in Medicine</i> , 1992 , 24, 149-57	4-4	16
759	Liver tissue characterization by in vitro NMR: tissue handling and biological variation. <i>Magnetic Resonance in Medicine</i> , 1992 , 24, 213-20	4-4	10
758	Thin-section MR imaging of rat brain at 4.7 T. 1992 , 2, 393-9		11
757	Diagnosis of fatty liver with MR imaging. 1992 , 2, 463-71		55
756	Monitoring of laser and freezing-induced ablation in the liver with T1-weighted MR imaging. 1992 , 2, 555-62		158
755	MR desktop data. 1992 , 2, 13-17		6
754	Correlating magnetic resonance imaging with the biochemical content of the normal human intervertebral disc. 1992 , 10, 552-61		83
753	Differential diagnosis of solid renal tumors by MRI. Comparison of in situ relaxation times measured with a 0.1 T imager and histological findings. <i>NMR in Biomedicine</i> , 1993 , 6, 329-32	4-4	
752	Relaxation time measurements in NMR imaging. Part I: Longitudinal relaxation time. 1993 , 5, 217-242		45
751	Simultaneous temperature and regional blood volume measurements in human muscle using an MRI fast diffusion technique. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 371-7	4-4	62
750	A multispectral analysis of brain tissues. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 623-30	4-4	58

749	Nontriggered magnetic resonance velocity measurement of the time-average of pulsatile velocity. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 648-55	4.4	30
748	Spin-spin relaxation in experimental allergic encephalomyelitis. Analysis of CPMG data using a non-linear least squares method and linear inverse theory. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 767-75	4.4	117
747	Magnetic resonance-guided thermal surgery. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 98-106	4.4	145
746	Incorporating lactate/lipid discrimination into a spectroscopic imaging sequence. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 124-30	4.4	20
745	Improved myocardial tagging contrast. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 191-200	4.4	308
744	Spin-lattice relaxation time measurement by means of a TurboFLASH technique. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 289-95	4.4	119
743	Proton relaxation enhancement. 1993 , 3, 149-56		75
742	On-line monitoring of ultrasonic surgery with MR imaging. 1993 , 3, 509-14		44
741	Magnetic resonance image appearance of hamartoma of the breast. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 293-8	3.3	9
740	Tissue characterization by magnetic resonance spectroscopy and imaging: Results of a concerted research project of the European Economic Community. Introduction, objectives, and activities. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 809-15	3.3	11
739	In vivo field dependence of proton relaxation times in human brain, liver and skeletal muscle: a multicenter study. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 851-6	3.3	37
738	Analysis of the first international data bank on in vitro NMR relaxation times: animal liver. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 865-72	3.3	8
737	Magnetization transfer imaging of the abdomen at 0.1 T: detection of hepatic neoplasms. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 67-71	3.3	15
736	MRI simulation using the k-space formalism. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 557-68	3.3	31
735	Estimation of myocardial water content using transverse relaxation time from dual spin-echo magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 375-83	3.3	40
734	In vivo measurements of proton relaxation times in human brain, liver, and skeletal muscle: a multicenter MRI study. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 841-50	3.3	47
733	MR tissue characterization of intracranial tumors by means of texture analysis. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 889-96	3.3	100
732	MRI mapping of postreconstructive edema following femoropopliteal bypass surgery. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 61-6	3.3	6

731	Is the signal intensity of cerebrospinal fluid constant? Intensity measurements with high and low field magnetic resonance imagers. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 549-55	3-3	29
730	Implementation and optimization by the simplex method of a 3D double echo sequence in steady-state free precession. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 87-93	3-3	4
729	Mr Relaxation Times and Fiber Type Predominance of the Psoas and Multifidus Muscle: An Autopsy Study. 1993 , 34, 16-19		15
728	Application of a Mixed Imaging Sequence for MR Imaging Characterization of Human Breast Disease. 1993 , 34, 356-361		19
727	T1 rho dispersion imaging of diseased muscle tissue. 1993 , 66, 783-7		39
726	Fat suppressed magnetic resonance imaging at 0.5 T using binomial radiofrequency pulses. 1993 , 66, 886-91		1
725	NMR and the study of pathological state in cells and tissues. 1993 , 145, 1-63		8
724	Non-invasive assessment of diffuse liver disease by in vivo measurement of proton nuclear magnetic resonance relaxation times at 0.08 T. 1994 , 67, 1083-7		15
723	Frequency Dependence of T1 and T2 Relaxation Times of Water in Normal and Tumoral Lung Tissues. T2 Relaxation Time Evidence of Water Different Chemical Shifts and Exchange Rates.. 1994 , 27, 661-676		1
722	Magnetic resonance imaging of human melanoma xenografts in vivo: proton spin-lattice and spin-spin relaxation times versus fractional tumour water content and fraction of necrotic tumour tissue. 1994 , 65, 387-401		64
721	A comparative study usefulness of magnetic resonance imaging in the diagnosis of acute cholecystitis. 1994 , 29, 192-8		13
720	Age-related MRI changes at 0.1 T in cervical discs in asymptomatic subjects. 1994 , 36, 49-53		104
719	Variation of the magnetic relaxation rate $1/T_1$ of water protons with magnetic field strength (NMRD profile) of untreated, non-calcified, human astrocytomas: correlation with histology and solids content. 1994 , 21, 113-25		8
718	Quantitative MR relaxometry study of muscle composition and function in Duchenne muscular dystrophy. 1994 , 4, 59-64		84
717	Asymmetric-echo, short TE, retrospectively gated MR imaging of the heart and pulmonary vessels. 1994 , 4, 131-7		8
716	Contrast-enhanced MR imaging of diffuse and focal splenic disease with use of magnetic starch microspheres. 1994 , 4, 373-9		8
715	Time after excision and temperature alter ex vivo tissue relaxation time measurements. 1994 , 4, 647-51		13
714	Precise and accurate measurement of proton T1 in human brain in vivo: validation and preliminary clinical application. 1994 , 4, 681-91		79

713	Effect of vitreous fluidity on the measurement of blood-retinal barrier permeability using contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 61-6	4.4	24
712	True myocardial motion tracking. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 401-13	4.4	131
711	Method for the quantitative assessment of contrast agent uptake in dynamic contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 567-71	4.4	173
710	Analysis of discrete T2 components of NMR relaxation for aqueous solutions in hollow fiber capillaries. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 611-8	4.4	9
709	Self-diffusion in CNS tissue by volume-selective proton NMR. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 637-44	4.4	41
708	A new T2 preparation technique for ultrafast gradient-echo sequence. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 652-7	4.4	26
707	Magnetization transfer, cross-relaxation, and chemical exchange in rotationally immobilized protein gels. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 725-32	4.4	29
706	Single-shot-double-echo EPI. <i>Magnetic Resonance Imaging</i> , 1994 , 12, 1033-8	3.3	14
705	Utility of magnetization prepared GRE MRI for the detection of focal liver lesions. <i>Magnetic Resonance Imaging</i> , 1994 , 12, 733-42	3.3	1
704	A method for visualization of MRI partial volume regions--PAIR (PARTIAL volume sensitised Inversion Recovery imaging). <i>Magnetic Resonance Imaging</i> , 1994 , 12, 821-6	3.3	3
703	Quantitative MR imaging of lumbar intervertebral disc and vertebral bodies: methodology, reproducibility, and preliminary results. <i>Magnetic Resonance Imaging</i> , 1994 , 12, 577-87	3.3	60
702	Breast tumor imaging with ultra low field MRI. <i>Magnetic Resonance Imaging</i> , 1994 , 12, 395-401	3.3	9
701	Preliminary analysis of elasmobranch tissue using magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 1994 , 12, 535-9	3.3	8
700	MRI and proton-NMR relaxation times in diagnosis and therapeutic monitoring of squamous cell carcinoma. 1994 , 4, 314-323		10
699	Characterization of pheochromocytomas using quantitative analysis of the parameter T2 of the mass (T2-QMRI). 1994 , 2, 29-37		1
698	Turbo spin-echo sequences in magnetic resonance imaging of the brain: Physics and applications. 1994 , 2, 51-59		6
697	A time-efficient method for combined T1 and T2 measurement in magnetic resonance imaging: Evaluation for multiparameter tissue characterization. 1994 , 2, 79-89		8
696	Body Temperature Mapping by Magnetic Resonance Imaging. 1994 , 27, 1369-1419		13

695	.			0
694	Non-Invasive Thermometry in Hyperthermia by NMR Chemical Shift. 1994 , 27, 1343-1355			
693	The Clifford Paterson Lecture, 1993, Accurate measurement in in vivo magnetic Resonance: an engineering problem?. 1994 , 349, 357-388			
692	Evidence of Anisotropic Reorientations of Water Molecules in the Cortex of the Rabbit Lens Detected by 1H-NMR Spectroscopy. 1995 , 190, 99-109			15
691	Dynamic MRI-guided interstitial laser therapy: a new technique for minimally invasive surgery. 1995 , 105, 1245-52			24
690	Multiparametric display of spin-echo data from MR studies of brain. 1995 , 5, 217-25			22
689	A segmented K-space velocity mapping protocol for quantification of renal artery blood flow during breath-holding. 1995 , 5, 393-401			32
688	Anomalous transverse relaxation in 1H spectroscopy in human brain at 4 Tesla. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 246-52	4.4		78
687	Limitations of stimulated echo acquisition mode (STEAM) techniques in cardiac applications. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 80-91	4.4		37
686	High resolution quantitative relaxation and diffusion MRI of three different experimental brain tumors in rat. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 835-44	4.4		98
685	Magnetic resonance microscopy of hamster olfactory bulb: a histological correlation. 1995 , 242, 132-5			6
684	Neuroimaging in alcoholism: CT and MRI results and clinical correlates. 1995 , 99, 145-55			30
683	Correlation of relaxometry and histopathology: the transplantable human glioblastoma SF295 grown in athymic nude mice. 1995 , 25, 113-26			5
682	A high-speed MRI simulator using the transition matrix method and periodicity of magnetization. 1995 , 26, 54-62			
681	OPTIMIZING TECHNICAL CONDITIONS FOR MAGNETIC RESONANCE IMAGING OF THE RAT BRAIN AND ABDOMEN IN A LOW MAGNETIC FIELD. 1995 , 36, 523-527			10
680	Temperature- and pH-dependence of proton relaxation rates in rat liver tissue. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 429-40	3.3		25
679	Characterization of parotid gland tissue: a description of an MRI protocol set-up and results of in-vivo applications. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 531-44	3.3		2
678	MRI of human tumor xenografts in vivo: proton relaxation times and extracellular tumor volume. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 693-700	3.3		26

677	Assessment of liver iron overload by T2-quantitative magnetic resonance imaging: correlation of T2-QMRI measurements with serum ferritin concentration and histologic grading of siderosis. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 967-77	3.3	68
676	Simultaneous measurements of diffusion and transverse relaxation in exercising skeletal muscle. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 943-8	3.3	59
675	Evaluation of solitary pulmonary nodules with dynamic contrast-enhanced MR imaging--a promising technique. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 923-33	3.3	43
674	From NMR diffraction and zeugmatography to modern imaging and beyond. 1995 , 28, 87-135		16
673	Application of nonlinear system identification to magnetic resonance imaging and computed tomography.		
672	Osteoarthritis and magnetic resonance imaging: potential and problems. 1995 , 54, 237-43		17
671	Imaging of brain iron by magnetic resonance: T2 relaxation at different field strengths. 1995 , 134 Suppl, 10-8		69
670	Potential and limitations of magnetic resonance imaging for real-time monitoring of interstitial laser phototherapy. 1995 , 2, 741-7		5
669	Molecular basis of magnetic relaxation of water protons of tissue. 1996 , 3, 597-606		29
668	Anomalous diffusion of water in biological tissues. 1996 , 70, 2950-8		70
667	Interstitial laser thermotherapy: developments in the treatment of small deep-seated brain tumors. 1996 , 46, 568-71; discussion 571-2		10
666	Is spin lattice relaxation time independent of species?. 1996 , 47, 101-5		1
665	Nuclear magnetic resonance relaxation parameters of muscle in malignant hyperthermia-susceptible swine. 1996 , 3, 26-30		2
664	Infratentorial brain maturation: a comparison of MRI at 0.5 and 1.5T. 1996 , 38, 360-6		5
663	Image Guidance With Laser Applications. 1996 , 29, 1063-1078		6
662	Maturation effects on the NMR microimaging characteristics of single neurons. 1996 , 271, C1295-302		13
661	A new magnetic resonance imaging analysis method for the measurement of disc height variations. 1996 , 21, 563-70		45
660	Field strength dependence of MRI contrast enhancement: phantom measurements and application to dynamic breast imaging. 1996 , 69, 215-20		12

659	Quantitative correlation of breast tissue parameters using magnetic resonance and X-ray mammography. 1996 , 73, 162-8		65
658	Left ventricular radial tagging acquisition using gradient-recalled-echo techniques: sequence optimization. 1996 , 4, 123-33		7
657	Improved estimation of tissue hydration and bound water fraction in rat liver tissue. 1996 , 4, 55-9		14
656	Interstitial laser thermotherapy in neurosurgery: a review. 1996 , 138, 1019-26		46
655	Development and applications of in vivo clinical magnetic resonance spectroscopy. 1996 , 65, 45-81		65
654	Quantification of white matter and gray matter volumes from T1 parametric images using fuzzy classifiers. 1996 , 6, 425-35		34
653	Noninvasive measurement of protein concentration. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 159-61	4.4	24
652	Criteria for analysis of multicomponent tissue T2 relaxation data. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 370-8	4.4	154
651	MR measurement of relative water content and multicomponent T2 relaxation in human breast. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 706-15	4.4	30
650	Influence of membrane lipid packing on T2-weighted magnetic resonance images: study of relaxation parameters in model membrane systems. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 420-6	4.4	6
649	Dynamic T1-weighted magnetic resonance imaging of interstitial laser photocoagulation in the liver: observations on in vivo temperature sensitivity. 1996 , 18, 410-9		28
648	Appearance of low signal intensity lines in MRI of silicone breast implants. 1996 , 17, 983-8		14
647	Simulation of MRI cluster plots and application to neurological segmentation. <i>Magnetic Resonance Imaging</i> , 1996 , 14, 73-92	3.3	59
646	Reduced transit-time sensitivity in noninvasive magnetic resonance imaging of human cerebral blood flow. 1996 , 16, 1236-49		654
645	Low-field MR imaging--development in Finland. 1996 , 37, 446-54		5
644	Comparison between conventional and fast spin-echo stir sequences. 1996 , 37, 943-9		10
643	Quantitative MRI of the gray-white matter distribution in traumatic brain injury. 1997 , 14, 1-14		32
642	Optimization of sequences for MRI of the abdomen and pelvis. 1997 , 52, 412-28		1

641	Magnetic resonance imaging. 1997 , 14, 56-66		107
640	In vivo estimation of water content in cerebral white matter of brain tumour patients and normal individuals: towards a quantitative brain oedema definition. 1997 , 139, 249-55; discussion 255-6		23
639	Magnetic resonance renography: optimisation of pulse sequence parameters and Gd-DTPA dose, and comparison with radionuclide renography. <i>Magnetic Resonance Imaging</i> , 1997 , 15, 637-49	3-3	59
638	Body composition determined with MR in patients with Duchenne muscular dystrophy, spinal muscular atrophy, and normal subjects. <i>Magnetic Resonance Imaging</i> , 1997 , 15, 737-44	3-3	65
637	Lanthanide-EDTA doped agarose gels for use in NMR imaging phantoms. <i>Magnetic Resonance Imaging</i> , 1997 , 15, 929-38	3-3	14
636	Magnetic resonance imaging of tissue-specific thermal responses of geranium stem in vivo. 1997 , 22, 117-126		
635	T1 rho dispersion imaging of head and neck tumors: a comparison to spin lock and magnetization transfer techniques. 1997 , 7, 873-9		25
634	Low power method for estimating the magnetization transfer bound-pool macromolecular fraction. 1997 , 7, 913-7		19
633	MRI for the evaluation of regional myocardial perfusion in an experimental animal model. 1997 , 7, 987-95		9
632	Tissue characterization of symptomatic and asymptomatic disc herniations by quantitative magnetic resonance imaging. 1997 , 15, 141-9		43
631	Normal myocardial perfusion assessed with multishot echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 140-7	4-4	60
630	The excretion mechanism of the spin label proxyl carboxylic acid (PCA) from the rat monitored by X-band ESR and PEDRI. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 552-8	4-4	24
629	A new diffusion SSFP imaging technique. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 716-22	4-4	27
628	Magnetic resonance properties of ex vivo breast tissue at 1.5 T. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 669-77	4-4	34
627	T2 accuracy on a whole-body imager. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 759-68	4-4	40
626	On the correlation between tissue hydration state and proton NMR relaxation rates in experimental liver transplantation. <i>NMR in Biomedicine</i> , 1997 , 10, 143-50	4-4	1
625	Magnetic resonance imaging demonstrates incomplete myelination in 18q- syndrome: evidence for myelin basic protein haploinsufficiency. 1997 , 74, 422-31		66
624	Imaging temperature changes in an interventional 0.5 T magnet: in-vitro results. 1997 , 21, 464-73		7

623	Evaluation of noninvasive cerebrospinal fluid volume measurement method with 3D-FASE MRI. 1998 , 29, 41-49		3
622	Prevention of calcification of glutaraldehyde-crosslinked porcine aortic cusps by ethanol preincubation: mechanistic studies of protein structure and water-biomaterial relationships. 1998 , 40, 577-85		53
621	Inhibition of aortic wall calcification in bioprosthetic heart valves by ethanol pretreatment: biochemical and biophysical mechanisms. 1998 , 42, 30-7		48
620	Differentiation of metabolic concentrations between gray matter and white matter of human brain by in vivo ¹ H magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 28-33	4.4	107
619	Strategy for lipid suppression in lactate imaging using STIR-DQCT: a study of hypoxic-ischemic brain injury. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 629-32	4.4	6
618	Determination of sample time for T1 measurement. 1998 , 8, 675-81		34
617	MRI of the foot and ankle: diagnostic performance and patient acceptance of a dedicated low field MR scanner. 1998 , 8, 711-6		14
616	Monitoring and visualization techniques for MR-guided laser ablations in an open MR system. 1998 , 8, 933-43		74
615	Magnetic resonance imaging of shear wave propagation in excised tissue. 1998 , 8, 1257-65		96
614	Spin-spin relaxation times in myocardial hypertrophy induced by endocrine agents in rat. 1998 , 7, 184-98		1
613	Double inversion recovery imaging of the brain: initial experience and comparison with fluid attenuated inversion recovery imaging. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 127-35	3.3	67
612	In vivo relaxation time measurements in the human placenta using echo planar imaging at 0.5 T. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 241-7	3.3	44
611	Spin lock and magnetization transfer MR imaging of local liver lesions. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 359-64	3.3	10
610	¹ H-nuclear magnetic resonance evidence for acto-myosin-dependent structural changes of the intracellular water of frog skeletal muscle fiber. 1998 , 1379, 224-32		5
609	Signal losses in diffusion preparation: comparison between spin-echo, stimulated echo and SEASON. 1998 , 6, 53-61		12
608	Tirilazad inhibits surgically induced edema and interleukin-1 production. An experimental study in rats. 1998 , 27, 386-90		
607	MRI: use of the inversion recovery pulse sequence. 1998 , 53, 159-76		48
606	Biophysical linkage between MRI and EEG amplitude in closed head injury. <i>NeuroImage</i> , 1998 , 7, 352-67	7.9	88

605	Biophysical linkage between MRI and EEG coherence in closed head injury. <i>NeuroImage</i> , 1998 , 8, 307-26	7.9	89
604	Automatic tumor segmentation using knowledge-based techniques. 1998 , 17, 187-201		275
603	Magnetic resonance cisternography for visualization of intracisternal fine structures. 1998 , 88, 670-8		35
602	A potential diagnostic application of magnetization transfer contrast: an in vitro NMR study of excised human thyroid tissues. 1998 , 43, 627-35		2
601	Usefulness of optimized gadolinium-enhanced fast fluid-attenuated inversion recovery MR imaging in revealing lesions of the brain. 1998 , 171, 803-7		44
600	Anthropomorphic ¹ H MRS head phantom. <i>Medical Physics</i> , 1998 , 25, 1145-56	4.4	27
599	Selected States Magnetic Resonance Spectroscopy (SSMRS): Detection of Paramagnetic Element Dynamics. 1998 , 31, 1569-1587		
598	The magnetization transfer characteristics of human breast tissues: an in vitro NMR study. 1999 , 44, 1147-54		16
597	Measurement of proliferation activity in human melanoma xenografts by magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 1999 , 17, 393-402	3.3	4
596	T2 relaxation of the parotid gland of patients affected by pleomorphic adenoma. <i>Magnetic Resonance Imaging</i> , 1999 , 17, 723-30	3.3	5
595	Two-point method for T1 estimation with optimized gradient-echo sequence. <i>Magnetic Resonance Imaging</i> , 1999 , 17, 1347-56	3.3	29
594	Tissue reactions to polypyrrole-coated polyesters: A magnetic resonance relaxometry study. 1999 , 23, 910-9		22
593	Effect of hydration on signal intensity of gelatin phantoms using low-field magnetic resonance imaging: possible application in osteoarthritis. 1999 , 40, 27-35		6
592	¹ H NMR relaxation measurements in highly concentrated water protein solutions. 1999 , 37, S147-S149		7
591	Evaluation of liver diseases via MTC and contrast agent. 1999 , 9, 257-65		12
590	NMR relaxation times in the human brain at 3.0 tesla. 1999 , 9, 531-8		622
589	Anthropomorphic carotid bifurcation phantom for MRI applications. 1999 , 10, 533-44		46
588	Quantifying tissue damage due to focused ultrasound heating observed by MRI. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 321-8	4.4	138

587	T1 imaging using phase acquisition of composite echoes. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 386-214	4.4	7
586	Accuracy of MR phase mapping for temperature monitoring during interstitial laser coagulation (ILC) in the liver at rest and simulated respiration. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 919-25	4.4	13
585	Longitudinal relaxation times of ¹²⁹ Xe in rat tissue homogenates at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 933-8	4.4	19
584	In vivo time course studies of the tissue responses to resorbable polylactic acid implants by means of MRI. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 210-4	4.4	23
583	Analysis of changes in MR properties of tissues after heat treatment. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 1061-71	4.4	112
582	T2* and proton density measurement of normal human lung parenchyma using submillisecond echo time gradient echo magnetic resonance imaging. 1999 , 29, 245-52		144
581	Adaptive fuzzy segmentation of magnetic resonance images. 1999 , 18, 737-52		565
580	Molecular aspects of magnetic resonance imaging and spectroscopy. 1999 , 20, 185-318		23
579	MR imaging of hepatic injury in the LEC rat under a high magnetic field (7.05 T). 1999 , 61, 239-44		5
578	Development of a unique phantom to assess the geometric accuracy of magnetic resonance imaging for stereotactic localization. 1999 , 45, 1423-9; discussion 1429-31		60
577	Magnetic resonance imaging and histologic evidence of postoperative back muscle injury in rats. 2000 , 25, 941-6		55
576	Magnetic resonance image-guided thermal ablations. 2000 , 11, 191-202		83
575	Optimization of fast cardiac imaging using an echo-train readout. 2000 , 11, 75-80		25
574	Histogram-based characterization of healthy and ischemic brain tissues using multiparametric MR imaging including apparent diffusion coefficient maps and relaxometry. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 52-61	4.4	43
573	Magnetic resonance temperature imaging for guidance of thermotherapy. 2000 , 12, 525-33		424
572	Optimal voxel size for measuring global gray and white matter proton metabolite concentrations using chemical shift imaging. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 10-8	4.4	16
571	Interrelations of T(1) and diffusion of water in acute cerebral ischemia of the rat. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 833-9	4.4	36
570	Using diagnostic radiology in human evolutionary studies. 2000 , 197 (Pt 1), 61-76		70

569	Early detection of irreversible cerebral ischemia in the rat using dispersion of the magnetic resonance imaging relaxation time, T1rho. 2000 , 20, 1457-66		89
568	Signal-to-Noise Ratio in MRI. 2000 , 77-86		
567	MRI of the equine digit with a dedicated low-field magnet. 2000 , 146, 616-7		8
566	Muscular transverse relaxation time measurement by magnetic resonance imaging at 4 Tesla in normal and dystrophic dy/dy and dy(2j)/dy(2j) mice. 2000 , 10, 507-13		12
565	A 3D MRI sequence for computer assisted surgery of the lumbar spine. 2001 , 46, N213-20		11
564	Estimation of the EEG power spectrum using MRI T(2) relaxation time in traumatic brain injury. 2001 , 112, 1729-45		34
563	Real-time functional magnetic resonance imaging. 2001 , 25, 201-20		42
562	Qualitative and quantitative evaluation of six algorithms for correcting intensity nonuniformity effects. <i>NeuroImage</i> , 2001 , 13, 931-43	7.9	132
561	Use of magnetic resonance imaging for noninvasive characterization and follow-up of an experimental injury to normal mouse muscles. 2001 , 11, 50-5		22
560	BaSO ₄ -loaded agarose: a construction material for multimodality imaging phantoms. 2001 , 8, 377-83		8
559	Magnetic resonance imaging. 2001 , 160-171		
558	Magnetic resonance angiography at 3.0 Tesla: initial clinical experience. 2001 , 12, 183-204		99
557	Magnetic resonance imaging measurement of relaxation and water diffusion in the human lumbar intervertebral disc under compression in vitro. 2001 , 26, E437-44		107
556	Magnetic resonance imaging and magnetization transfer. 2001 , 1-83		0
555	In vitro study of relationship between signal intensity and gadolinium-DTPA concentration at high magnetic field strength. 2001 , 45, 298-304		15
554	The metabolism of water in cells and tissues as detected by NMR methods. 2001 , 39, 41-77		28
553	Feasibility of endocardial edge detection by using an inversion recovery artifact. 2001 , 13, 461-6		1
552	MR lung imaging at 0.2 T with T1-weighted true FISP: native and oxygen-enhanced. 2001 , 14, 164-8		25

551	In vivo studies of Gd-DTPA-monoclonal antibody and gd-porphyrins: potential magnetic resonance imaging contrast agents for melanoma. 2001 , 14, 169-74		69
550	Neuroimaging at 1.5 T and 3.0 T: comparison of oxygenation-sensitive magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 595-604	4.4	270
549	Two-dimensional time correlation relaxometry of skeletal muscle in vivo at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 1093-8	4.4	27
548	Interregional variation of longitudinal relaxation rates in human brain at 3.0 T: relation to estimated iron and water contents. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 71-9	4.4	190
547	A STUDY OF WATER T1 AND T2 NMR RELAXATION TIMES IN HEALTHY AND CANCER AFFECTED HUMAN BLOOD PLASMA DOPED WITH HEMATOPORPHYRIN IX DYE. 2001 , 34, 579-589		0
546	Medical imaging with laser-polarized noble gases. 2001 , 41-98		13
545	Tissue mimicking materials for a multi-imaging modality prostate phantom. <i>Medical Physics</i> , 2001 , 28, 688-700	4.4	67
544	Tissue reaction to polypyrrole-coated polyester fabrics: an in vivo study in rats. 2002 , 8, 635-47		117
543	Temperature measurements using nuclear magnetic resonance. 2002 , 45, 1-67		16
542	MR colonography with barium-based fecal tagging: initial clinical experience. 2002 , 223, 248-54		110
541	On the appearance of bile in clinical MR cholangiopancreatography. 2002 , 43, 401-10		4
540	MR temperature measurement in liver tissue at 0.23 T with a steady-state free precession sequence. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 940-7	4.4	30
539	T1 relaxation time at 0.2 Tesla for monitoring regional hyperthermia: feasibility study in muscle and adipose tissue. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 1194-201	4.4	34
538	Localized proton spectroscopy without water suppression: removal of gradient induced frequency modulations by modulus signal selection. <i>Journal of Magnetic Resonance</i> , 2002 , 154, 53-9	3	32
537	Changes in oricine muscle water characteristics during growth--an in vitro low-field NMR relaxation study. <i>Journal of Magnetic Resonance</i> , 2002 , 157, 267-76	3	20
536	Constrained modeling for spectroscopic measurement of bi-exponential spin-lattice relaxation of water in vivo. <i>Magnetic Resonance Imaging</i> , 2002 , 20, 681-9	3.3	6
535	Three-pool model of white matter. 2003 , 17, 1-10		109
534	Quantitative T2 in the occipital lobe: the role of the CPMG refocusing rate. 2003 , 18, 302-9		15

533	High field human imaging. 2003 , 18, 519-29		152
532	Myocardial tagging with SSFP. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 329-40	4.4	48
531	An analytical solution for the SSFP signal in MRI. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 771-5	4.4	34
530	Method to determine in vivo the relaxation time T1 of hyperpolarized xenon in rat brain. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 1014-8	4.4	20
529	Comparison of longitudinal metabolite relaxation times in different regions of the human brain at 1.5 and 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 1296-301	4.4	170
528	Interstitial laser coagulation for hepatic tumours. 1999 , 86, 293-304		65
527	Functional magnetic resonance imaging at 0.2 Tesla. <i>NeuroImage</i> , 2003 , 20, 1210-4	7.9	22
526	Estimating Motion From MRI Data. 2003 , 9, 1627-1648		36
525	Effects of growth hormone on fluid homeostasis. Clinical and experimental aspects. 2003 , 13, 55-74		41
524	Tissue-mimicking oil-in-gelatin dispersions for use in heterogeneous elastography phantoms. 2003 , 25, 17-38		87
523	A semi-automatic method for developing an anthropomorphic numerical model of dielectric anatomy by MRI. 2003 , 48, 3157-70		30
522	Correlation of apparent diffusion coefficient and computed tomography density in acute ischemic stroke. 2003 , 34, e17-8; author reply e17-8		9
521	Magnetic resonance imaging at 3.0 Tesla: challenges and advantages in clinical neurological imaging. 2003 , 38, 385-402		123
520	Comparison of multiple sclerosis lesions at 1.5 and 3.0 Tesla. 2003 , 38, 423-7		97
519	RingTag: ring-shaped tagging for myocardial centerline assessment. 2003 , 38, 669-78		7
518	Contrast-to-noise ratio of multiple slice spin lock technique: prospects for liver imaging. 2003 , 76, 788-91		4
517	Musculoskeletal MRI at 3.0 T: relaxation times and image contrast. 2004 , 183, 343-51		410
516	Medical Physics top ten. <i>Medical Physics</i> , 2004 , 31, 682-682	4.4	1

515	MR imaging relaxation times of abdominal and pelvic tissues measured in vivo at 3.0 T: preliminary results. 2004 , 230, 652-9		610
514	Effect of new manganese contrast agent on tissue intensities in human volunteers: comparison of 0.23, 0.6 and 1.5 T MRI, a part of a phase I trial. 2004 , 17, 28-35		8
513	Myelin characterization of fetal brain with mono-point estimated T1-maps. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 565-72	3-3	10
512	[Clinical MR at 3 Tesla: current status]. 2004 , 44, 11-8		26
511	B0 dependence of the on-resonance longitudinal relaxation time in the rotating frame (T1rho) in protein phantoms and rat brain in vivo. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 4-8	4-4	22
510	Cardiac SSFP imaging at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 799-806	4-4	248
509	Modified Look-Locker inversion recovery (MOLLI) for high-resolution T1 mapping of the heart. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 141-6	4-4	1264
508	Signal-to-noise ratio behavior of steady-state free precession. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 123-30	4-4	37
507	Signal characteristics of FLAIR related to water content: comparison with conventional spin echo imaging in infarcted rat brain. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 221-7	3-3	2
506	Region and volume dependencies in spectral line width assessed by 1H 2D MR chemical shift imaging in the monkey brain at 7 T. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 1373-83	3-3	21
505	Acute and subacute intracerebral hemorrhages: comparison of MR imaging at 1.5 and 3.0 T--initial experience. 2004 , 232, 874-81		58
504	MR imaging--guided breast ablative therapy. 2004 , 42, 947-62, vii		18
503	Advanced MR imaging of the shoulder: dedicated cartilage techniques. 2004 , 12, 143-59, vii		14
502	A multimodality vascular imaging phantom with fiducial markers visible in DSA, CTA, MRA, and ultrasound. <i>Medical Physics</i> , 2004 , 31, 1424-33	4-4	31
501	Initial experience of 3 tesla endorectal coil magnetic resonance imaging and 1H-spectroscopic imaging of the prostate. 2004 , 39, 671-80		136
500	Monitoring tissue coagulation during thermoablative treatment by using a novel magnetic resonance imaging contrast agent. 2004 , 39, 661-5		5
499	Magnetic Resonance Imaging of the Human Spine and Spinal Cord at 3 Tesla: A Technical Note. 2005 , 18, 606-616		1
498	Abdominal magnetic resonance imaging at 3.0 T: problem or a promise for the future?. 2005 , 16, 325-35		46

497	In Vivo Spectroscopy and Imaging of the Ovary In Vivo at 3 Tesla and Spectroscopy on Biopsy at 8.5 Tesla. 2005 , 7, 71-76		3
496	Brain tumor enhancement in magnetic resonance imaging: comparison of signal-to-noise ratio (SNR) and contrast-to-noise ratio (CNR) at 1.5 versus 3 tesla. 2005 , 40, 792-7		39
495	Comprehensive model for simultaneous MRI determination of perfusion and permeability using a blood-pool agent in rats rhabdomyosarcoma. 2005 , 15, 2497-505		42
494	Coronary arteries at 3.0 T: Contrast-enhanced magnetization-prepared three-dimensional breathhold MR angiography. 2005 , 21, 133-9		46
493	Routine clinical brain MRI sequences for use at 3.0 Tesla. 2005 , 22, 13-22		227
492	Three-dimensional breathhold SSFP coronary MRA: a comparison between 1.5T and 3.0T. 2005 , 22, 206-12		57
491	SQUID-detected MRI at 132 microT with T1-weighted contrast established at 10 microT--300 mT. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 9-14	4-4	123
490	Characterization of intervertebral disc degeneration by high-resolution magic angle spinning (HR-MAS) spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 519-27	4-4	41
489	T1, T2 relaxation and magnetization transfer in tissue at 3T. <i>Magnetic Resonance in Medicine</i> , 2005 , 54, 507-12	4-4	932
488	MAGNETIC RESONANCE RELAXATION-TIME STUDIES OF FRACTURE REPAIR IN CHICKS: A POTENTIAL METHOD FOR EVALUATION OF FRACTURE HEALING. 2005 , 09, 85-92		1
487	Neonatal brain: regional variability of in vivo MR imaging relaxation rates at 3.0 T--initial experience. 2005 , 235, 595-603		58
486	MR colonography: baseline appearance of the unprepared rectosigmoid. 2005 , 78, 202-6		5
485	Non-invasive MR thermography using the water proton chemical shift. 2005 , 21, 547-60		83
484	High-resolution black-blood MRI of the carotid vessel wall using phased-array coils at 1.5 and 3 Tesla. 2005 , 12, 1521-6		25
483	Basic principles of magnetic resonance imaging. 2005 , 16, 1-64		16
482	Magnetic resonance temperature imaging. 2005 , 21, 515-31		128
481	Determination of transverse relaxation rate for estimating iron deposits in central nervous system. 2005 , 51, 67-71		32
480	Rapid polarizing field cycling in magnetic resonance imaging. 2006 , 25, 84-93		42

479	Design of field-cycled magnetic resonance systems for small animal imaging. 2006 , 51, 2825-41		49
478	Abdominal magnetic resonance imaging at 3.0 T what is the ultimate gain in signal-to-noise ratio?. 2006 , 13, 1236-43		51
477	MRI-based volumetry of head compartments: normative values of healthy adults. <i>NeuroImage</i> , 2006 , 30, 1-11	7.9	95
476	MR spectroscopy and spectroscopic imaging: comparing 3.0 T versus 1.5 T. 2006 , 16, 269-83, x		26
475	Abdominal MR imaging at 3T. 2006 , 14, 17-26		118
474	Musculoskeletal imaging at 3T: current techniques and future applications. 2006 , 14, 63-76		65
473	Retrospective determination of the area at risk for reperfused acute myocardial infarction with T2-weighted cardiac magnetic resonance imaging: histopathological and displacement encoding with stimulated echoes (DENSE) functional validations. 2006 , 113, 1865-70		817
472	Effect of field strengths on magnetic resonance angiography: comparison of an ultrasmall superparamagnetic iron oxide blood-pool contrast agent and gadopentetate dimeglumine in rabbits at 1.5 and 3.0 tesla. 2006 , 41, 97-104		30
471	Measurement of Signal-to-Noise and Contrast-to-Noise in the fBIRN Multicenter Imaging Study. 2006 , 19, 140-7		97
470	Quantitative study of changes in oxidative metabolism during visual stimulation using absolute relaxation rates. <i>NMR in Biomedicine</i> , 2006 , 19, 60-8	4.4	19
469	Molecular basis of water proton relaxation in gels and tissue. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 73-81	4.4	31
468	Molecular theory of field-dependent proton spin-lattice relaxation in tissue. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 60-72	4.4	50
467	High magnetic field water and metabolite proton T1 and T2 relaxation in rat brain in vivo. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 386-94	4.4	231
466	Enhanced T2 contrast for MR histology of the mouse brain. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 717-25	4.4	36
465	Relaxation times of breast tissue at 1.5T and 3T measured using IDEAL. 2006 , 23, 87-91		147
464	Abdominal MRI at 3.0 T: the basics revisited. 2006 , 186, 1524-32		171
463	High-field-strength MR imaging of the liver at 3.0 T: intraindividual comparative study with MR imaging at 1.5 T. 2006 , 241, 156-66		59
462	Prostate cancer: local staging at 3-T endorectal MR imaging--early experience. 2006 , 238, 184-91		131

461	Clinical and imaging metrics for monitoring disease progression in patients with multiple sclerosis. 2006 , 6, 599-612	3
460	Myocardial salvage: retrospection, resolution, and radio waves. 2006 , 113, 1821-3	63
459	Human myocardium: single-breath-hold MR T1 mapping with high spatial resolution--reproducibility study. 2006 , 238, 1004-12	190
458	Development of the technical capabilities needed to build and position a prepolarization coil for a magnetic resonance imaging magnet. 2007 , 221, 185-94	1
457	AAPM/RSNA physics tutorials for residents: MR imaging: brief overview and emerging applications. 2007 , 27, 1213-29	61
456	Low spin-lock field T1 relaxation in the rotating frame as a sensitive MR imaging marker for gene therapy treatment response in rat glioma. 2007 , 243, 796-803	30
455	Body MR imaging at 3.0 T: understanding the opportunities and challenges. 2007 , 27, 1445-62; discussion 1462-4	108
454	Sensitivity of Whole Body MRI Experiments. 2007 ,	2
453	Relaxation Measurements in Imaging Studies. 2007 ,	1
452	High-resolution whole-body magnetic resonance imaging applications at 1.5 and 3 Tesla: a comparative study. 2007 , 42, 449-59	76
451	Contrast-enhanced first-pass myocardial perfusion magnetic resonance imaging with parallel acquisition at 3.0 Tesla. 2007 , 42, 352-60	8
450	Brain tumor enhancement in MR imaging at 3 Tesla: comparison of SNR and CNR gain using TSE and GRE techniques. 2007 , 42, 558-63	36
449	Comparison of phased-array 3.0-T and endorectal 1.5-T magnetic resonance imaging in the evaluation of local staging accuracy for prostate cancer. 2007 , 31, 534-8	92
448	Radiofrequency Systems and Coils for MRI and MRS. 2007 ,	1
447	Kidneys and MR urography. 2007 , 15, 373-82, vii	6
446	3 Tesla Magnetic Resonance Imaging (MRI) Is it Ready for Prime Time Clinical Applications?. 2007 , 38, 37-50	5
445	Gain in signal-to-noise for first-pass contrast-enhanced abdominal MR angiography at 3 Tesla over standard 1.5 Tesla: prediction with a computer model. 2007 , 14, 795-803	17
444	A review of MR physics: 3T versus 1.5T. 2007 , 15, 277-90, v	177

443	Relaxation Measurements in Whole Body MRI: Clinical Utility. 2007 ,		
442	Magnetic field and tissue dependencies of human brain longitudinal 1H ₂ O relaxation in vivo. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 308-18	4-4	455
441	Prepolarized fast spin-echo pulse sequence for low-field MRI. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 1180-4	4-4	11
440	Myocardial T1 mapping: application to patients with acute and chronic myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 34-40	4-4	259
439	Magnetic resonance imaging and T2 relaxometry of human median nerve at 7 Tesla. 2007 , 36, 368-73		15
438	3.0 Tesla imaging of the musculoskeletal system. 2007 , 25, 245-61		54
437	T2-weighted cardiovascular magnetic resonance imaging. 2007 , 26, 452-9		163
436	Magnetic resonance imaging measurements of vascular permeability and extracellular volume fraction of breast tumors by dynamic Gd-DTPA-enhanced relaxometry. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 293-302	3-3	32
435	Combined morphological, [1H]-MR spectroscopic and contrast-enhanced imaging of human prostate cancer with a 3-Tesla scanner: preliminary experience. 2008 , 113, 670-88		31
434	Magnetic field dependence of the distribution of NMR relaxation times in the living human brain. 2008 , 21, 131-47		50
433	MR thermometry. 2008 , 27, 376-90		815
432	Effects of intravenous gadolinium administration and flip angle on the assessment of liver fat signal fraction with opposed-phase and in-phase imaging. 2008 , 28, 246-51		19
431	Oxygen-enhanced MR imaging of mice lungs. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 1412-21	4-4	9
430	An assessment of the sharpness of carotid artery tissue boundaries with acquisition voxel size and field strength. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 246-53	3-3	7
429	A comparative study at 3 T of sequence dependence of T2 quantitation in the knee. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 1215-20	3-3	82
428	Contrast behavior and image quality of magnetic resonance cholangiopancreatography imaging using variable echo times at 3.0 T. 2008 , 32, 362-6		1
427	The osteoarthritis initiative: report on the design rationale for the magnetic resonance imaging protocol for the knee. 2008 , 16, 1433-41		440
426	Basics of Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy. 2008 , 3-167		11

425	Hypokinesia and rigidity as clinical manifestations of mitochondrial encephalomyopathy: report of three cases. 1989 , 31, 81-91		18
424	Cardiac MRI of ischemic heart disease at 3 T: potential and challenges. 2008 , 65, 15-28		72
423	Magnetic resonance imaging methods in developmental science: a primer. 2008 , 20, 1029-51		9
422	Age-dependent normal values of T2* and T2' in brain parenchyma. <i>American Journal of Neuroradiology</i> , 2008 , 29, 950-5	4.4	72
421	Comparison of SNR and CNR for in vivo mouse brain imaging at 3 and 7 T using well matched scanner configurations. <i>Medical Physics</i> , 2008 , 35, 3972-8	4.4	25
420	Evaluation of three inverse problem models to quantify skin microcirculation using diffusion-weighted MRI. 2008 , 135, 012031		1
419	Systematic variation of off-resonance prepulses for clinical magnetization transfer contrast imaging at 0.2, 1.5, and 3.0 tesla. 2008 , 43, 16-26		25
418	In vivo T2-weighted magnetic resonance imaging can accurately determine the ischemic area at risk for 2-day-old nonreperfused myocardial infarction. 2008 , 43, 7-15		74
417	Temperaturmapping mittels MR-Imaging am Beispiel der Laserkoagulation von Gehirngewebe. 2009 , 209-211		1
416	Magnetic resonance imaging defines cervicovaginal anatomy, cancer, and VEGF trap antiangiogenic efficacy in estrogen-treated K14-HPV16 transgenic mice. 2009 , 69, 7945-52		8
415	Tissue-specific imaging is a robust methodology to differentiate in vivo T1 black holes with advanced multiple sclerosis-induced damage. <i>American Journal of Neuroradiology</i> , 2009 , 30, 1394-401	4.4	26
414	Uterine cervical carcinoma: preoperative staging with 3.0-T MR imaging--comparison with 1.5-T MR imaging. 2009 , 251, 96-104		48
413	Use of 3.0-T MR imaging for evaluation of the abdomen. 2009 , 29, 1547-63		47
412	Ultrasound, computed tomography and magnetic resonance imaging in myopathies: correlations with electromyography and histopathology. 1994 , 89, 336-46		24
411	Design and construction of a prototype high-power B0 insert coil for field-cycled imaging in superconducting MRI systems. 2009 , 35B, 1-10		12
410	A rapidly rotating RF coil for MRI. 2009 , 35B, 59-66		15
409	MR imaging of endometrial carcinoma for preoperative staging at 3.0 T: comparison with imaging at 1.5 T. 2009 , 30, 621-30		33
408	Spectrally selective B1-insensitive T2 magnetization preparation sequence. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 1326-35	4.4	40

407	B1 and T1 insensitive water and lipid suppression using optimized multiple frequency-selective preparation pulses for whole-brain 1H spectroscopic imaging at 3T. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 462-6	4.4	16
406	Delta relaxation enhanced MR: improving activation-specificity of molecular probes through R1 dispersion imaging. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 796-802	4.4	35
405	Cardiac phenotyping in ex vivo murine embryos using microMRI. <i>NMR in Biomedicine</i> , 2009 , 22, 857-66	4.4	28
404	Magnetic resonance histology of the adult zebrafish brain: optimization of fixation and gadolinium contrast enhancement. <i>NMR in Biomedicine</i> , 2010 , 23, 341-6	4.4	20
403	Cardiovascular magnetic resonance in the diagnosis of acute heart transplant rejection: a review. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11, 7	6.9	61
402	T1 and T2 effects during radio-frequency pulses in spoiled gradient echo sequences. <i>Journal of Magnetic Resonance</i> , 2009 , 197, 213-8	3	15
401	MRI guidance for accelerated partial breast irradiation in prone position: imaging protocol design and evaluation. 2009 , 75, 285-93		17
400	Revisiting excitation pattern design for magnetic resonance imaging through optimisation of the signal contrast efficiency. 2009 , 4, 317-328		3
399	Effects of seasonings on physical properties and MRI T2 map of cooked spaghetti. 2009 , 42, 41-50		11
398	Use of Magnetic Resonance Imaging for monitoring Parma dry-cured ham processing. 2009 , 82, 219-27		46
397	T2 cardiac magnetic resonance in infarct patients: sideman or leader?. 2009 , 102, 595-7		2
396	Cardiac magnetic resonance monitors reversible and irreversible myocardial injury in myocarditis. 2009 , 2, 131-8		105
395	Cardiac magnetic resonance evaluation of edema after ST-elevation acute myocardial infarction. 2009 , 62, 858-66		7
394	Quantifying coronary sinus flow and global LV perfusion at 3T. 2009 , 9, 9		21
393	Dimensionality of diffusive exploration at the protein interface in solution. 2009 , 113, 13347-56		35
392	Fatty liver disease: MR imaging techniques for the detection and quantification of liver steatosis. 2009 , 29, 231-60		202
391	Characterization of white matter degeneration in elderly subjects by magnetic resonance diffusion and FLAIR imaging correlation. <i>NeuroImage</i> , 2009 , 47 Suppl 2, T58-65	7.9	24
390	Direct quantitative comparison between cross-relaxation imaging and diffusion tensor imaging of the human brain at 3.0 T. <i>NeuroImage</i> , 2009 , 47, 1568-78	7.9	48

389	Focal liver lesions hyperintense on T1-weighted magnetic resonance images. 2009 , 30, 436-49		9
388	Valoraci3n del edema tras un infarto agudo de miocardio con elevaci3n del ST mediante resonancia magn3tica cardiaca. 2009 , 62, 858-866		20
387	Comparative evaluation of lesion enhancement using 1 M gadobutrol vs. 2 conventional gadolinium chelates, all at a dose of 0.1 mmol/kg, in a rat brain tumor model at 3 T. 2009 , 44, 251-6		28
386	3-Tesla Study of the Spinal Cord White Matter. 2009 , 22, 85-93		
385	Orally administered manganese with and without ascorbic acid as a liver-specific contrast agent and bowel marker for magnetic resonance imaging: phase I clinical trial assessing efficacy and safety. 2010 , 45, 559-64		10
384	A quantitative approach to sequence and image weighting. 2010 , 34, 317-31		11
383	Cardiovascular Magnetic Resonance: Evaluation of Myocardial Function, Perfusion, and Viability. 2010 , 196-245		
382	Henkelman, R. Mark: MRI: A Quantitative Measurement?. 2010 ,		
381	Multiparameter MRI assessment of normal-appearing and diseased vertebral bone marrow. 2010 , 20, 2679-89		24
380	Consistency of signal intensity and T2* in frozen ex vivo heart muscle, kidney, and liver tissue. 2010 , 31, 719-24		14
379	Dual-band water and lipid suppression for MR spectroscopic imaging at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1486-92	4.4	30
378	T1 corrected B1 mapping using multi-TR gradient echo sequences. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 725-33	4.4	26
377	Gadolinium-labeled quantum dots for molecular magnetic resonance imaging: R1 versus R2 mapping. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 291-8	4.4	16
376	A technique for rapid single-echo spin-echo T2 mapping. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 536-45	4.4	15
375	A robust methodology for in vivo T1 mapping. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1057-67	4.4	129
374	Brain MRI tissue classification based on local Markov random fields. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 557-73	3.3	50
373	In vivo 1D and 2D correlation MR spectroscopy of the soleus muscle at 7T. <i>Journal of Magnetic Resonance</i> , 2010 , 204, 91-8	3	33
372	Enhanced sensitivity current density imaging. <i>Journal of Magnetic Resonance</i> , 2010 , 204, 219-24	3	2

371	An open-source software tool for the generation of relaxation time maps in magnetic resonance imaging. 2010 , 10, 16		66
370	Left ventricular T2 distribution in Duchenne muscular dystrophy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 14	6.9	22
369	Shortened Modified Look-Locker Inversion recovery (ShMOLLI) for clinical myocardial T1-mapping at 1.5 and 3 T within a 9 heartbeat breathhold. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 69	6.9	458
368	Double Inversion Recovery MRI with fat suppression at 7 tesla: initial experience. 2010 , 20, 87-92		19
367	The role of imaging and molecular imaging in the early detection of metabolic and cardiovascular dysfunctions. 2010 , 34 Suppl 2, S67-81		4
366	Magnetic resonance water proton relaxation in protein solutions and tissue: T(1rho) dispersion characterization. 2010 , 5, e8565		12
365	Ferucarbotran-Enhanced Hepatic MRI at 3T Unit: Quantitative and Qualitative Comparison of Fast Breath-hold Imaging Sequences. 2010 , 14, 31		
364	Fetal MRI at Higher Field Strength. 2010 , 33-47		
363	Current problems and future opportunities of abdominal magnetic resonance imaging at higher field strengths. 2010 , 21, 141-8		8
362	Biochemical and physiological MR imaging of skeletal muscle at 7 tesla and above. 2010 , 14, 269-78		14
361	Magnetic resonance imaging delineates the ischemic area at risk and myocardial salvage in patients with acute myocardial infarction. 2010 , 3, 527-35		97
360	Synthetic-echo time postprocessing technique for generating images with variable T2-weighted contrast: diagnosis of meniscal and cartilage abnormalities of the knee. 2010 , 254, 188-99		9
359	Quantitative MR imaging of brain iron: a postmortem validation study. 2010 , 257, 455-62		321
358	Quantitative mapping of T1 and T2* discloses nigral and brainstem pathology in early Parkinson's disease. <i>NeuroImage</i> , 2010 , 51, 512-20	7.9	111
357	Non-invasive magnetic resonance thermography during regional hyperthermia. 2010 , 26, 273-82		47
356	Absolute temperature imaging using intermolecular multiple quantum MRI. 2010 , 26, 725-34		11
355	New efforts to quantitative T2-mapping imaging. 2011 ,		0
354	A head phantom prototype to verify subdural electrode localization tools in epilepsy surgery. <i>NeuroImage</i> , 2011 , 54 Suppl 1, S256-62	7.9	4

353	MRI estimation of gadolinium and albumin effects on water proton. <i>NeuroImage</i> , 2011 , 54 Suppl 1, S176-9	9.9	16
352	Cardiac MR imaging. 34-46		
351	Magnetic resonance imaging relaxation time measurements of the placenta at 1.5 T. 2011 , 32, 1010-5		40
350	Contrast behavior of high-spatial-resolution T1-weighted MR imaging at 3.0 T vs. 1.5 T. 2011 , 35, 133-8		
349	Myocardial T1 and extracellular volume fraction mapping at 3 tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13, 75	6.9	131
348	Quantification of fat infiltration in oculopharyngeal muscular dystrophy: comparison of three MR imaging methods. 2011 , 33, 203-10		52
347	Myocardial edema imaging in acute coronary syndromes. 2011 , 34, 1243-50		15
346	Realistic simulation of cardiac magnetic resonance studies modeling anatomical variability, trabeculae, and papillary muscles. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 280-8	4.4	18
345	Contrast at high field: relaxation times, magnetization transfer and phase in the rat brain at 16.4 T. <i>Magnetic Resonance in Medicine</i> , 2011 , 66, 1572-81	4.4	26
344	The use of contrast agents with fast field-cycling magnetic resonance imaging. 2011 , 56, 105-15		11
343	Breast cancer: evaluation of response to neoadjuvant chemotherapy with 3.0-T MR imaging. 2011 , 261, 735-43		54
342	Fetal magnetic resonance imaging at 3.0 T. 2011 , 22, 119-31		22
341	Lesions by tissue specific imaging characterize multiple sclerosis patients with more advanced disease. 2011 , 17, 1424-31		11
340	MR Thermometry. 2011 , 271-288		10
339	Advanced Musculoskeletal Magnetic Resonance Imaging at Ultra-high Field (7 T). 2012 , 189-213		2
338	The magnetic field dependence of water T1 in tissues. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 272-7	4.4	36
337	Ultrahigh-field magnetic resonance imaging: the clinical potential for anatomy, pathogenesis, diagnosis, and treatment planning in brain disease. 2012 , 22, 343-62, xii		12
336	Principles of magnetic resonance imaging. 2012 , 177, 331-48		7

335	The influence of body temperature on image contrast in post mortem MRI. 2012 , 81, 1366-70		54
334	Non-contrast T1-mapping detects acute myocardial edema with high diagnostic accuracy: a comparison to T2-weighted cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 42	6.9	296
333	Prostate cancer in magnetic resonance imaging: diagnostic utilities of spectroscopic sequences. 2012 , 56, 606-16		15
332	Maturation and aging effects on human brain apparent transverse relaxation. 2012 , 7, e31907		13
331	Accuracy and precision of vessel area assessment: manual versus automatic lumen delineation based on full-width at half-maximum. 2012 , 36, 1186-93		20
330	Novel whole brain segmentation and volume estimation using quantitative MRI. 2012 , 22, 998-1007		75
329	ESUR prostate MR guidelines 2012. 2012 , 22, 746-57		1779
328	Automatic conformal prescription of very selective saturation bands for in vivo ¹ H-MRSI of the prostate. <i>NMR in Biomedicine</i> , 2012 , 25, 643-53	4.4	8
327	Simultaneous T1 measurements and proton resonance frequency shift based thermometry using variable flip angles. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 457-63	4.4	30
326	Multiple 3D inversion recovery imaging for volume T1 mapping of the heart. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 163-70	4.4	26
325	Variability and homogeneity of cardiovascular magnetic resonance myocardial T2-mapping in volunteers compared to patients with edema. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 27	6.9	80
324	Normal variation of magnetic resonance T1 relaxation times in the human population at 1.5 T using ShMOLLI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 13	6.9	168
323	Radiofrequency (RF) coil impacts the value and reproducibility of cartilage spin-spin (T2) relaxation time measurements. 2013 , 21, 710-20		27
322	Quantifying the local tissue volume and composition in individual brains with magnetic resonance imaging. 2013 , 19, 1667-72		191
321	Modified look-locker inversion recovery T1 mapping indices: assessment of accuracy and reproducibility between magnetic resonance scanners. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 64	6.9	61
320	7,0 Tesla MRI van het brein: modeverschijnsel of toekomstperspectief?. 2013 , 17, 35-47		
319	Is it possible to detect active multiple sclerosis plaques using MR thermometry techniques?. 2013 , 80, 321-4		3
318	The effects of changing water content, relaxation times, and tissue contrast on tissue segmentation and measures of cortical anatomy in MR images. <i>Magnetic Resonance Imaging</i> , 2013 , 31, 1709-30	3.3	30

317	Temperature dependence of relaxation times and temperature mapping in ultra-low-field MRI. <i>Journal of Magnetic Resonance</i> , 2013 , 235, 50-7	3	18
316	Characteristics of diffusion-weighted stimulated echo pulse sequence in human skeletal muscle. 2013 , 6, 92-7		11
315	Clinical applications of 7 T MRI in the brain. 2013 , 82, 708-18		186
314	Musculoskeletal MRI at 3.0 T and 7.0 T: a comparison of relaxation times and image contrast. 2013 , 82, 734-9		48
313	Eddy current compensation for delta relaxation enhanced MR by dynamic reference phase modulation. 2013 , 26, 249-59		6
312	Native myocardial T1 mapping by cardiovascular magnetic resonance imaging in subclinical cardiomyopathy in patients with systemic lupus erythematosus. 2013 , 6, 295-301		142
311	Magnetic resonance imaging at 7T reveals common events in age-related sarcopenia and in the homeostatic response to muscle sterile injury. 2013 , 8, e59308		38
310	Association between iron content and gray matter missegmentation with voxel-based morphometry in basal ganglia. 2013 , 38, 958-62		11
309	Optimizing contrast agent concentration and spoiled gradient echo pulse sequence parameters for catheter visualization in MR-guided interventional procedures: an analytic solution. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 333-40	4-4	5
308	Longitudinal relaxation enhancement in 1H NMR spectroscopy of tissue metabolites via spectrally selective excitation. 2013 , 19, 13002-8		18
307	Advanced Cardiac MR Imaging for Myocardial Characterization and Quantification: T1 Mapping. 2013 , 43, 1-6		13
306	Magnetic resonance imaging detects placental hypoxia and acidosis in mouse models of perturbed pregnancies. 2013 , 8, e59971		13
305	Measurement of Temperatures of the Human Body. 2014 , 107-126		4
304	T2 Relaxation. 2014 , 181-206		
303	Quantitative evaluation of ischemic myocardial scar tissue by unenhanced T1 mapping using 3.0 Tesla MR scanner. 2014 , 20, 407-13		14
302	T1-weighted MR image contrast around a cryoablation iceball: a phantom study and initial comparison with in vivo findings. <i>Medical Physics</i> , 2014 , 41, 112301	4-4	16
301	Rapid dynamic R1 /R2 */temperature assessment: a method with potential for monitoring drug delivery. <i>NMR in Biomedicine</i> , 2014 , 27, 1267-74	4-4	2
300	MRI of Thiel-embalmed human cadavers. 2014 , 39, 576-83		11

299	Effects of diffusion on high-resolution quantitative T2 MRI. <i>NMR in Biomedicine</i> , 2014 , 27, 672-80	4.4	9
298	Accurate T(1) mapping for oxygen-enhanced MRI in the mouse lung using a segmented inversion-recovery ultrashort echo-time sequence. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 2180-5	4.4	16
297	Myocardial tissue characterization by magnetic resonance imaging: novel applications of T1 and T2 mapping. 2014 , 29, 147-54		79
296	A True Multi-modality Approach for High Resolution Optical Imaging: Photo-Magnetic Imaging. 2014 , 8937,		3
295	Highly cited papers in Medical Physics. <i>Medical Physics</i> , 2014 , 41, 080401	4.4	5
294	(19)F spin-lattice relaxation of perfluoropolyethers: Dependence on temperature and magnetic field strength (7.0-14.1T). <i>Journal of Magnetic Resonance</i> , 2014 , 242, 18-22	3	32
293	T1 Mapping in Ischemic Heart Disease. 2014 , 7, 1		
292	Glyburide is associated with attenuated vasogenic edema in stroke patients. 2014 , 20, 193-201		67
291	The vertical occipital fasciculus: a century of controversy resolved by in vivo measurements. 2014 , 111, E5214-23		165
290	State-of-the-art analytical methods for assessing dynamic bonding soft matter materials. 2014 , 26, 5758-85		24
289	Temperature-induced changes of magnetic resonance relaxation times in the human brain: a postmortem study. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 1575-80	4.4	29
288	New concepts in standing advanced diagnostic equine imaging. 2014 , 30, 239-68		16
287	Fluid-attenuated inversion recovery hyperintensity correlates with matrix metalloproteinase-9 level and hemorrhagic transformation in acute ischemic stroke. 2014 , 45, 1040-5		44
286	Lifespan maturation and degeneration of human brain white matter. <i>Nature Communications</i> , 2014 , 5, 4932	17.4	226
285	Correction of proton resonance frequency shift MR-thermometry errors caused by heat-induced magnetic susceptibility changes during high intensity focused ultrasound ablations in tissues containing fat. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 1580-9	4.4	20
284	T1andT2estimation in complex domain: First results on clinical data. 2014 , 43, 166-176		8
283	Quantitative susceptibility mapping (QSM) of white matter multiple sclerosis lesions: Interpreting positive susceptibility and the presence of iron. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 564-70	4.4	149
282	The Basics. 2015 , 505-524		2

281	Minimizing lipid signal bleed in brain (1) H chemical shift imaging by post-acquisition grid shifting. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 320-9	4.4	4
280	Rapid assessment of quantitative T1, T2 and T2* in lower extremity muscles in response to maximal treadmill exercise. <i>NMR in Biomedicine</i> , 2015 , 28, 998-1008	4.4	31
279	(1)H nuclear magnetic resonance (NMR) as a tool to measure dehydration in mice. <i>NMR in Biomedicine</i> , 2015 , 28, 1031-9	4.4	7
278	Non-contrast-enhanced hepatic MR arteriography with balanced steady-state free-precession and time spatial labeling inversion pulse: optimization of the inversion time at 3 Tesla. 2015 , 4, 2058460115616427 ¹		
277	Impact of motion correction on reproducibility and spatial variability of quantitative myocardial T2 mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 46	6.9	19
276	Effect of in-painting on cortical thickness measurements in multiple sclerosis: A large cohort study. 2015 , 36, 3749-3760		10
275	Water compartmentalization, cell viability and morphology changes monitored under stress by 1H-NMR relaxometry and phase contrast optical microscopy. 2015 , 48, 415401		2
274	Combining phase and magnitude information for contrast agent quantification in dynamic contrast-enhanced MRI using statistical modeling. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 1156-64	4.4	6
273	Improved quantitative myocardial T mapping: Impact of the fitting model. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 93-105	4.4	41
272	MR imaging of the fetal brain at 1.5T and 3.0T field strengths: comparing specific absorption rate (SAR) and image quality. 2015 , 43, 209-20		30
271	Development of a Skeletal Muscle Mimic Phantom Compatible with QCT and MR Imaging. 2015 , 46, 174-181		1
270	Advanced magnetic resonance techniques: 3 T. 2015 , 53, 441-55		2
269	A review of new approaches in Her-2 targeting and 1H MRI application. 2015 , 24, 1365-1368		5
268	Magnetic resonance imaging. 2015 , 127-169		3
267	Calibrating the BOLD response without administering gases: comparison of hypercapnia calibration with calibration using an asymmetric spin echo. <i>NeuroImage</i> , 2015 , 104, 423-9	7.9	31
266	Application of texture analysis to muscle MRI: 1-What kind of information should be expected from texture analysis?. 2015 , 3,		13
265	Cortical maturation and myelination in healthy toddlers and young children. <i>NeuroImage</i> , 2015 , 115, 147-61		137
264	Abnormal white matter properties in adolescent girls with anorexia nervosa. 2015 , 9, 648-59		38

263	Hepatic Relaxation Times from Postmortem MR Imaging of Adult Humans. 2016 , 15, 281-7		6
262	Principles of Diagnosis. 2016 , 119-178		
261	The microstructural correlates of T1 in white matter. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1341-5	4.4	53
260	Metabolite and macromolecule T1 and T2 relaxation times in the rat brain in vivo at 17.2T. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 503-14	4.4	31
259	Signal-to-noise ratio and MR tissue parameters in human brain imaging at 3, 7, and 9.4 tesla using current receive coil arrays. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 801-9	4.4	185
258	Effects of formalin fixation and temperature on MR relaxation times in the human brain. <i>NMR in Biomedicine</i> , 2016 , 29, 458-65	4.4	57
257	Differences in iron and manganese concentration may confound the measurement of myelin from R1 and R2 relaxation rates in studies of dysmyelination. <i>NMR in Biomedicine</i> , 2016 , 29, 985-98	4.4	8
256	Temperature measurement in human fat with T2 imaging. 2016 , 43, 1171-8		6
255	Real-Time MRI-Guided Cardiac Cryo-Ablation: A Feasibility Study. 2016 , 27, 602-8		18
254	Technical Note: Radiological properties of tissue surrogates used in a multimodality deformable pelvic phantom for MR-guided radiotherapy. <i>Medical Physics</i> , 2016 , 43, 908-16	4.4	32
253	A nuclear magnetic resonance study of water in aggrecan solutions. 2016 , 3, 150705		6
252	Spectral data de-noising using semi-classical signal analysis: application to localized MRS. <i>NMR in Biomedicine</i> , 2016 , 29, 1477-85	4.4	12
251	Volumetric, relaxometric and diffusometric correlates of psychotic experiences in a non-clinical sample of young adults. 2016 , 12, 550-558		9
250	REDUCING CSF PARTIAL VOLUME EFFECTS TO ENHANCE DIFFUSION TENSOR IMAGING METRICS OF BRAIN MICROSTRUCTURE. 2016 , 18, 5-20		20
249	Ex vivo quantitative multiparametric MRI mapping of human meniscus degeneration. 2016 , 45, 1649-1660		31
248	Noninvasive temperature and velocity mapping using magnetic resonance imaging. 2016 , 19, 403-415		
247	Noninvasive Temperature Monitoring. 2016 , 397-420		
246	Temperature Monitoring Using Chemical Shift. 2016 , 1121-1130		

245	An enzyme-activatable and cell-permeable Mn-porphyrin as a highly efficient MRI contrast agent for cell labeling. 2016 , 7, 4308-4317		20
244	Combined geometric and algebraic solutions for removal of bSSFP banding artifacts with performance comparisons. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 644-654	4.4	3
243	MR thermometry near metallic devices using multispectral imaging. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1162-1169	4.4	12
242	Dual-Pathway sequences for MR thermometry: When and where to use them. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1193-1200	4.4	5
241	Imaging near orthopedic hardware. 2017 , 46, 24-39		21
240	Quantification and reproducibility assessment of the regional brain T relaxation in naïve rats at 7T. 2017 , 45, 700-709		10
239	Ultralow-field and spin-locking relaxation dispersion in postmortem pig brain. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 2342-2351	4.4	3
238	The correction of time and temperature effects in MR-based 3D Fricke xylene orange dosimetry. 2017 , 62, 3221-3236		3
237	Nanodiamond-enhanced MRI via in situ hyperpolarization. <i>Nature Communications</i> , 2017 , 8, 15118	17.4	57
236	Getting in Tune: Resonance and Relaxation. 124-143		0
235	Cardiac MR Imaging in Acute Coronary Syndrome: Application and Image Interpretation. 2017 , 282, 17-32		13
234	Nuclear magnetic relaxation dispersion of murine tissue for development of T (R) dispersion contrast imaging. <i>NMR in Biomedicine</i> , 2017 , 30, e3789	4.4	16
233	Principles of Quantitative MR Imaging with Illustrated Review of Applicable Modular Pulse Diagrams. 2017 , 37, 2083-2105		8
232	¿Es teratogénica la resonancia magnética durante el embarazo? Revisión de la literatura. 2017 , 26, 198-207		
231	Comparison of direct C and indirect H-[C] MR detection methods for the study of dynamic metabolic turnover in the human brain. <i>Journal of Magnetic Resonance</i> , 2017 , 283, 33-44	3	7
230	Is magnetic resonance imaging teratogenic during pregnancy? Literature review. 2017 , 26, 219-228		
229	A realistic phantom for validating MRI-based synthetic CT images of the human skull. <i>Medical Physics</i> , 2017 , 44, 4687-4694	4.4	5
228	Correlations of low-field NMR and variable-field NMR parameters with osteoarthritis in human articular cartilage under load. <i>NMR in Biomedicine</i> , 2017 , 30, e3738	4.4	5

227	Myocardial T-mapping at 3T using saturation-recovery: reference values, precision and comparison with MOLLI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 84	6.9	53
226	Whole brain MP2RAGE-based mapping of the longitudinal relaxation time at 9.4T. <i>NeuroImage</i> , 2017 , 144, 203-216	7.9	23
225	On the R relaxometry in complex multi-peak multi-Echo chemical shift-based water-fat quantification: Applications to the neuromuscular diseases. <i>Magnetic Resonance Imaging</i> , 2017 , 35, 4-14	3.3	3
224	Mis-estimation and bias of hyperpolarized apparent diffusion coefficient measurements due to slice profile effects. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 1087-1092	4.4	10
223	T mapping for diagnosis of mild chronic pancreatitis. 2017 , 45, 1171-1176		55
222	High-resolution three-dimensional macromolecular proton fraction mapping for quantitative neuroanatomical imaging of the rodent brain in ultra-high magnetic fields. <i>NeuroImage</i> , 2017 , 147, 985-993	7.9	24
221	Mapping for Myocardial Fibrosis by Cardiac Magnetic Resonance Relaxometry-A Comprehensive Technical Review. 2016 , 3, 49		14
220	Normal Values of Magnetic Relaxation Parameters of Spine Components with the Synthetic MRI Sequence. <i>American Journal of Neuroradiology</i> , 2018 , 39, 788-795	4.4	12
219	Comparison of quantitative T and ADC mapping in the assessment of 3-nitropropionic acid-induced neurotoxicity in rats. 2018 , 65, 52-59		2
218	MRI monitoring of focused ultrasound sonications near metallic hardware. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 259-271	4.4	2
217	Comparison of Juvenile Allogeneous Articular Cartilage and Bone Marrow Aspirate Concentrate Versus Microfracture With and Without Bone Marrow Aspirate Concentrate in Arthroscopic Treatment of Talar Osteochondral Lesions. 2018 , 39, 393-405		32
216	The development of brain white matter microstructure. <i>NeuroImage</i> , 2018 , 182, 207-218	7.9	191
215	Variable Temperature Nuclear Magnetic Resonance and Magnetic Resonance Imaging System as a Novel Technique for In Situ Monitoring of Food Phase Transition. 2018 , 66, 740-747		15
214	Age-related differences in GABA levels are driven by bulk tissue changes. 2018 , 39, 3652-3662		26
213	Non-Invasive Thermometry with Magnetic Resonance Imaging. 2018 , 267-299		1
212	Ultrafast compartmentalized relaxation time mapping with linear algebraic modeling. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 286-297	4.4	4
211	Magnetization Transfer Contrast and Chemical Exchange Saturation Transfer MRI. Features and analysis of the field-dependent saturation spectrum. <i>NeuroImage</i> , 2018 , 168, 222-241	7.9	135
210	Introduction: MRI/MRS as Metabolic Imaging Tools. 2018 , 81-98		0

209 Myocardial Viability in Ischaemic Heart Disease. **2018**, 347-384

208 Myocyte Metabolic Imaging with Hyperpolarised MRI. **2018**, 111-173

1

207 Murine pulmonary imaging at 7T: T2* and T with anisotropic UTE. *Magnetic Resonance in Medicine*, **2018**, 79, 2254-2264

4.4 10

206 Cardiac balanced steady-state free precession MRI at 0.35 T: a comparison study with 1.5 T. **2018**, 8, 627-636

11

205 The Japan Monkey Centre Primates Brain Imaging Repository for comparative neuroscience: an archive of digital records including records for endangered species. **2018**, 59, 553-570

9

204 Reduction of Acquisition time using Partition of the signal Decay in Spectroscopic Imaging technique (RAPID-SI). **2018**, 13, e0207015

2

203 In Vivo NMR Spectroscopy Dynamic Aspects. **2018**, 129-210

1

202 Single-Dose Gadoterate Meglumine for 3T Late Gadolinium Enhancement MRI for the Assessment of Chronic Myocardial Infarction: Intra-Individual Comparison with Conventional Double-Dose 1.5T MRI. **2018**, 19, 372-380

10

201 Native cardiac T1 Mapping: Standardized inline analysis of long and short axis at three identical 1.5 Tesla MRI scanners. **2018**, 107, 203-208

3

200 Quantitative characterization of glomerular fibrosis with magnetic resonance imaging: a feasibility study in a rat glomerulonephritis model. **2018**, 314, F747-F752

3

199 Quantitative MRI Changes due to Progressive Formalin Fixation in Whole Human Brain Specimens: Longitudinal Characterization of Diffusion, Relaxometry, and Myelin Water Fraction Measurements at 3T. **2018**, 5, 31

35

198 Computational Design of an RF Controlled Theranostic Model for Evaluation of Tissue Biothermal Response. **2018**, 38, 993-1013

2

197 Trastuzumab drug delivery systems for magnetic resonance imaging detection. **2018**, 589-619

196 A multi-center preclinical study of gadoxetate DCE-MRI in rats as a biomarker of drug induced inhibition of liver transporter function. **2018**, 13, e0197213

12

195 Real-time magnetic resonance imaging-guided cryoablation of the pulmonary veins with acute freeze-zone and chronic lesion assessment. **2019**, 21, 154-162

9

194 MR fingerprinting as a diagnostic tool in patients with frontotemporal lobe degeneration: A pilot study. *NMR in Biomedicine*, **2019**, 32, e4157

4.4 4

193 Measurement of T and T relaxation times of the pancreas at 7 T using a multi-transmit system. **2019**, 32, 703-708

2

192 Human articular cartilage mechanosensitivity is related to histological degeneration - a functional MRI study. **2019**, 27, 1711-1720

7

191	Diffusion weighted magnetic resonance imaging for temperature measurements in catalyst supports with an axial gas flow. 2019 , 4, 1844-1853		1
190	Dipolar induced spin-lattice relaxation in the myelin sheath: A molecular dynamics study. 2019 , 9, 14813		10
189	Residual Water Suppression Using the Squared Eigenfunctions of the Schrödinger Operator. 2019 , 7, 69126-69137		5
188	Deposits of iron oxides in the human globus pallidus. 2019 , 17, 291-298		2
187	Calibration of NMR porosity to estimate permeability in carbonate reservoirs. 2019 , 87, 19-26		3
186	Magnetic Resonance Imaging. 2019 , 339-451		
185	In situ postmortem ethanol quantification in the cerebrospinal fluid by non-water-suppressed proton MRS. <i>NMR in Biomedicine</i> , 2019 , 32, e4081	4-4	4
184	Measurement of T* in the human spinal cord at 3T. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 743-748	4-4	2
183	Magnetic resonance thermometry and its biological applications - Physical principles and practical considerations. 2019 , 110, 34-61		42
182	Multinuclear absolute magnetic resonance thermometry. 2019 , 2,		4
181	Ultrahigh field magnetic resonance imaging: new frontiers and possibilities in human imaging. 2019 , 62, 1214-1232		1
180	A Single-Scan, Rapid Whole-Brain Protocol for Quantitative Water Content Mapping With Neurobiological Implications. 2019 , 10, 1333		4
179	. 2019 , 29, 1-4		2
178	Comparison of fast field-cycling magnetic resonance imaging methods and future perspectives. 2019 , 117, 832-848		10
177	Imaging and quantification of magnetic nanoparticles: Comparison of magnetic resonance imaging and magnetic particle imaging. 2019 , 475, 382-388		17
176	T, T contrast, and Ernst-angle images of four rat-lung pathologies. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 2489-2500	4-4	2
175	Low-field MRI: An MR physics perspective. 2019 , 49, 1528-1542		79
174	The ADAM-pelvis phantom-an anthropomorphic, deformable and multimodal phantom for MRgRT. 2019 , 64, 04NT05		25

173	Hot Topics of Research in Musculoskeletal Imaging: PET/MR Imaging, MR Fingerprinting, Dual-energy CT Scan, Ultrashort Echo Time. 2019 , 14, 175-182			3
172	Additive anti-inflammation by a combination of conjugated linoleic acid and Hippic acid through molecular interaction between both compounds. 2020 , 29, 419-429			1
171	Water Diffusion and Transport in Oil Paints as Studied by Unilateral NMR and H High-Resolution MAS-NMR Spectroscopy. 2020 , 21, 113-119			7
170	Assessment of signal-to-noise ratio and contrast-to-noise ratio in 3 T magnetic resonance imaging in the presence of zirconium, titanium, and titanium-zirconium alloy implants. 2020 , 129, 80-86			1
169	Constraints in estimating the proton density fat fraction. <i>Magnetic Resonance Imaging</i> , 2020 , 66, 1-8	3-3		7
168	Technological Advances of Magnetic Resonance Imaging in Today's Health Care Environment. 2020 , 55, 531-542			4
167	High-sensitivity in vivo contrast for ultra-low field magnetic resonance imaging using superparamagnetic iron oxide nanoparticles. 2020 , 6, eabb0998			21
166	Recent technological advancements in thermometry. 2020 , 163-164, 19-39			6
165	Imaging tools for assessment of myocardial fibrosis in humans: the need for greater detail. 2020 , 12, 969-987			4
164	Intrinsic MRI contrast from amino acid-based paramagnetic ionic liquids. 2020 , 1, 1980-1987			3
163	In Vitro Intraductal MRI and T2 Mapping of Cholangiocarcinoma Using Catheter Coils. 2020 , 12, 107-114			0
162	Low-Field MRI of Stroke: Challenges and Opportunities. 2021 , 54, 372-390			12
161	Diagnostic quality assessment of IR-prepared 3D magnetic resonance neuroimaging accelerated using compressed sensing and k-space sampling order optimization. <i>Magnetic Resonance Imaging</i> , 2020 , 74, 31-45		3-3	
160	Proton nuclear magnetic resonance J-spectroscopy of phantoms containing brain metabolites on a portable 0.05 T MRI scanner. <i>Journal of Magnetic Resonance</i> , 2020 , 320, 106834		3	1
159	Assessment of cardiac function, blood flow and myocardial tissue relaxation parameters at 0.35 T. <i>NMR in Biomedicine</i> , 2020 , 33, e4317		4-4	0
158	Pearls and Pitfalls of Metabolic Liver Magnetic Resonance Imaging in the Pediatric Population. 2020 , 41, 451-461			1
157	Imaging-based internal body temperature measurements: The journal. 2020 , 7, 363-388			4
156	Relating MR relaxation times of meniscus to tissue degeneration through comparison with histopathology. 2020 , 2, 100061-100061			

155	Low-Field MRI: How Low Can We Go? A Fresh View on an Old Debate. 2020 , 8,		24
154	Pulse sequences as tissue property filters (TP-filters): a way of understanding the signal, contrast and weighting of magnetic resonance images. 2020 , 10, 1080-1120		5
153	Longitudinal assessment of tissue properties and cardiac diffusion metrics of the ex vivo porcine heart at 7 T: Impact of continuous tissue fixation using formalin. <i>NMR in Biomedicine</i> , 2020 , 33, e4298	4.4	3
152	Manganese threonine chelate-a new enteric contrast agent for MRI: a pilot study on rats. <i>NMR in Biomedicine</i> , 2020 , 33, e4293	4.4	
151	Observation of Reduced Homeostatic Metabolic Activity and/or Coupling in White Matter Aging. 2020 , 30, 658-665		3
150	More bullets for PISTOL: linear and cyclic siloxane reporter probes for quantitative H MR oximetry. 2020 , 10, 1399		1
149	Detection of nanotesla AC magnetic fields using steady-state SIRS and ultra-low field MRI. 2020 , 17, 034001		5
148	Improving the Detection of Cholangiocarcinoma: In vitro MRI-Based Study Using Local Coils and T2 Mapping. 2020 , 12, 29-39		1
147	Simultaneous multi-slice T1 mapping using MOLLI with blipped CAIPIRINHA bSSFP. <i>Magnetic Resonance Imaging</i> , 2020 ,	3.3	2
146	Efficient spiral in-out and EPI balanced steady-state free precession cine imaging using a high-performance 0.55T MRI. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 2364-2375	4.4	2
145	In vivo 3D brain and extremity MRI at 50 mT using a permanent magnet Halbach array. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 495-505	4.4	25
144	Technical Note: ADAM PETER - An anthropomorphic, deformable and multimodality pelvis phantom with positron emission tomography extension for radiotherapy. <i>Medical Physics</i> , 2021 , 48, 1624-1632	4.4	3
143	Texture analysis using T1-weighted images for muscles in Charcot-Marie-Tooth disease patients and volunteers. 2021 , 31, 3508-3517		1
142	Quantification of brown adipose tissue using synthetic magnetic resonance imaging: an experimental study with mice model.. 2022 , 12, 526-538		0
141	Portable CMOS NMR System With 50-kHz IF, 10- μ s Dead Time, and Frequency Tracking. 2021 , 1-13		3
140	Development of phantom materials with independently adjustable CT- and MR-contrast at 0.35, 1.5 and 3 T. 2021 , 66, 045013		3
139	Bi-component T2 mapping correlates with articular cartilage material properties. 2021 , 116, 110215		0
138	Clinical Feasibility of Multi-Acquisition Variable-Resonance Image Combination-Based T2 Mapping near Hip Arthroplasty. 2021 , 17, 165-173		0

137	Determining the effect of water temperature on the T1 and T2 relaxation times of the lung tissue at 9.4 T MRI: A drowning mouse model. 2021 , 49, 101836		
136	Quantity and quality: Normative open-access neuroimaging databases. 2021 , 16, e0248341		0
135	Assessing Age-Related Gray Matter Differences in Young Adults with Voxel-Based Morphometry: The Effect of Field Strengths. 2021 , 11,		
134	Dynamics of Zeeman and dipolar states in the spin locking in a liquid entrapped in nano-cavities: Application to study of biological systems. <i>Journal of Magnetic Resonance</i> , 2021 , 325, 106933	3	2
133	Hybrid Polymeric Nanostructures Stabilized by Zirconium and Gadolinium Ions for Use as Magnetic Resonance Imaging Contrast Agents. 2021 , 4, 4974-4982		5
132	Very low field F MRI of perfluoro-octylbromide: Minimizing chemical shift effects and signal loss due to scalar coupling. <i>Journal of Magnetic Resonance</i> , 2021 , 325, 106946	3	
131	Characterization of a soft tissue-mimicking agar/wood powder material for MRgFUS applications. 2021 , 113, 106357		4
130	Measuring viscoelastic parameters in Magnetic Resonance Elastography: a comparison at high and low magnetic field intensity. 2021 , 120, 104587		2
129	Measurement of sub-zero temperatures in MRI using T temperature sensitive soft silicone materials: Applications for MRI-guided cryosurgery. <i>Medical Physics</i> , 2021 , 48, 6844-6858	4-4	1
128	Accessible pediatric neuroimaging using a low field strength MRI scanner. <i>NeuroImage</i> , 2021 , 238, 1182739	3	2
127	In vivo T and T relaxation time maps of brain tissue, skeletal muscle, and lipid measured in healthy volunteers at 50 mT. <i>Magnetic Resonance in Medicine</i> , 2022 , 87, 884-895	4-4	1
126	3Tesla post-mortem MRI quantification of anatomical brain structures. 2021 , 327, 110984		0
125	Is fetal MRI ready for neuroimaging prime time? An examination of progress and remaining areas for development. 2021 , 51, 100999		1
124	Towards Motion-Robust Magnetic Resonance Thermometry. 2001 , 401-408		1
123	An Adaptive Fuzzy Segmentation Algorithm for Three-Dimensional Magnetic Resonance Images. 1999 , 140-153		12
122	Aspects of Clinical Imaging at 7 T. 2006 , 59-103		2
121	Relaxation Theory with Applications to Biological Studies. 1990 , 37-67		2
120	Phantoms for Magnetic Resonance Imaging. 2014 , 181-199		4

119	Magnetic Resonance Imaging of Brain Iron Using A4 Tesla Whole-Body Scanner. 1991 , 373-385	2
118	High Field NMR Imaging and Spectroscopy. 1986 , 223-234	1
117	Neuroanatomy of the Aging Brain Observed in Vivo. 1996 , 153-182	14
116	NMR Analysis of Cancer Cells. 1986 , 73-112	15
115	Determination of Lung Water Content and Distribution by Nuclear Magnetic Resonance. 1992 , 138-146	2
114	Echo-Planar Image Reconstruction. 1998 , 141-178	3
113	A Multispectral Pattern Recognition System for the Noninvasive Evaluation of Atherosclerosis Utilizing MRI. 1990 , 133-146	1
112	Practical Aspects Of [In Vitro] And [In Vivo] T1 and T2 Measurements. 1986 , 199-216	1
111	Nuclear Magnetism of Tissue. 1990 , 279-317	0
110	MR IMAGING OF PULMONARY PARENCHYMA. 2000 , 8, 105-123	10
109	High expression of human beta S- and alpha-globins in transgenic mice: erythrocyte abnormalities, organ damage, and the effect of hypoxia. 1992 , 89, 12155-9	83
108	Monitoring of radio frequency tissue ablation in an interventional magnetic resonance environment. Preliminary ex vivo and in vivo results. 1997 , 32, 671-8	38
107	Magnetic resonance imaging relaxation times and gadolinium-DTPA relaxivity values in human cerebrospinal fluid. 1998 , 33, 153-62	11
106	In vivo tissue extracellular volume fraction measurement by dynamic spin-lattice MRI relaxometry: application to the characterization of muscle fiber types. 1999 , 34, 185-9	15
105	Distinguishing neuronal from astrocytic subcellular microstructures using in vivo Double Diffusion Encoded 1H MRS at 21.1 T. 2017 , 12, e0185232	19
104	Comparison Between 3-Scan Trace and Diagonal Body Diffusion-Weighted Imaging Acquisitions: A Phantom and Volunteer Study. 2016 , 2, 411-420	5
103	Towards fast and accurate temperature mapping with proton resonance frequency-based MR thermometry. 2012 , 2, 21-32	53
102	Physics and mathematics of magnetic resonance imaging for nanomedicine: An overview. 2014 , 3, 17	1

- 101 Fast Quantitative Low-Field Magnetic Resonance Imaging With OPTIMUM-Optimized Magnetic Resonance Fingerprinting Using a Stationary Steady-State Cartesian Approach and Accelerated Acquisition Schedules. **2021**, 1
- 100 Contrast in MR Imaging. **2000**, 57-75 1
- 99 Nuclear Magnetic Resonance (NMR) Principles. **2000**, 65-82
- 98 Quantitative MRI in Assessing Irradiation Effect in Dog Brain. **2001**, 1263-1267
- 97 Grundlagen der MRT und MRS. **2002**, 3-132 1
- 96 Gehirn, Gesichtsschädel und Hals. **2002**, 133-451
- 95 Magnetic Resonance Imaging.
- 94 Magnetresonanztomographie. **2002**, 267-296
- 93 Role of Magnetic Resonance Imaging in Guiding Thermal Therapies-A Brief Technical Review-. **2007**, 23, 71-84
- 92 Physics and Safety. **2008**, 1-18
- 91 3 Tesla MR Imaging in the Abdomen. **2009**, 719-727
- 90 MRI of the Gastrointestinal Tract at High-Field Strength. **2010**, 21-31 1
- 89 Susceptibility Weighted Imaging at Ultrahigh Magnetic Fields. 329-349
- 88 Source of the MR Signal and Its Properties. **2011**, 37-58
- 87 Susceptibility Weighted Imaging and MR Angiography. **2012**, 157-167
- 86 Fundamentals of MR Imaging. **2014**, 1-19 0
- 85 Magnetic Resonance Imaging in Medicine: Quantitative Tissue Characterization. **1985**, 1-10
- 84 Simulation Techniques for Evaluating Magnetic Resonance Imaging. **1986**, 78-91

- 83 Some Observations on NMR Imaging Particularly in Lower Fields. **1986**, 199-215
- 82 Towards NMR Spectroscopy In Vivo: II. Relationship between NMR Parameters and Histology. **1986**, 179-185 1
- 81 Tissue Characterisation by NMR. **1987**, 147-166
- 80 Local Behavior of the Tumor: Growth Pattern and Growth Rate. **1987**, 39-58
- 79 Magnetic Resonance Imaging. **1988**, 315-354
- 78 Molecular Basis of Contrast in MRI. **1988**, 405-413
- 77 Magnetic Resonance Relaxation Times and Imaging in the Pathophysiology of Muscles. **1988**, 421-443
- 76 Physical basis. **1989**, 1-29 1
- 75 Characterization of Brain Tissues by the Field Dependence of Their Longitudinal Relaxation Rates. **1990**, 54-58
- 74 Proton NMR Relaxation Times and Trace Paramagnetic Metal Contents: Pattern Recognition Analysis of the Discrimination Between Normal and Pathological Tissue of the Gastrointestinal Tract and Bone Marrow. **1990**, 270-282
- 73 Physical Principles and Techniques of MR Imaging. **1990**, 1-49
- 72 MRT normaler Gewebestrukturen. **1991**, 1-20
- 71 Gadolinium-DTPA-enhanced MRI and positron emission tomography of stereotactic laser-induced interstitial thermal therapy in cerebral gliomas. **1991**, 37-39
- 70 Principles of Magnetic Resonance Imaging. **1991**, 1-16
- 69 Basics of Magnetic Resonance Imaging. **1992**, 9-30
- 68 Hirn, Gesichtsschel und Hals. **1992**, 97-337
- 67 Tissue Characterization by Magnetic Resonance Imaging Relaxometry and Texture Analysis in Clinical Oncology. **1992**, 371-375
- 66 Fundamental Physics and Chemistry. **1992**, 1-32

- 65 Grundlagen der MRT und MRS. **1992**, 3-96
- 64 A Method for Correcting Anisotropic Blurs in Magnetic Resonance Images. **1992**, 565-578
- 63 MR Principles and Technology. **1994**, 353-373
- 62 NMR Imaging of Laboratory Mice at 2 Tesla: A Non-invasive Insight into Normal Anatomy. **1994**, 22, 255-268
- 61 Basic Principles of Magnetic Resonance Imaging. **1996**, 21-34
- 60 Grundlagen der MRT und MRS. **1997**, 3-113
- 59 Cluster Analysis of Multiparametric MR Imaging including ADC Maps and Relaxometry for Spatially High-Resolved Differentiation of Healthy and Ischemic Human Brain Tissue. **1999**, 15-34 1
- 58 High Field MRI for CMR. **2015**, 87-95
- 57 2D Multi-Slice and 3D k-Space Simulations using a 3D Quadric Head Phantom with MRI Properties. **2015**, 639-644
- 56 Temperature-Range-Dependent Optimization of Noninvasive MR Thermometry Methods. **2015**, 36, 241-250 1
- 55 The Japan Monkey Centre Primates Brain Imaging Repository of high-resolution postmortem magnetic resonance imaging: the second phase of the archive of digital records. 1
- 54 Post mortem brain temperature and its influence on quantitative MRI of the brain. **2021**, 1
- 53 3 T: the good, the bad and the ugly. **2021**, 20210708
- 52 SNR and total acquisition time analysis of multi-echo FLASH pulse sequence for current density imaging. *Journal of Magnetic Resonance*, **2021**, 333, 107098 3
- 51 MR Thermometry. **2020**, 885-905
- 50 Biophysical and Physiological Principles of T1 and T2. **2020**, 1, 3-17
- 49 Comparison of phase-resolved functional lung (PREFUL) MRI derived perfusion and ventilation parameters at 1.5T and 3T in healthy volunteers. **2020**, 15, e0244638 1
- 48 Special MRI (MWI, MTI, G-ratio) methods sensitive to age and development. **2021**, 129-152

47	Basics of Cardiac Magnetic Resonance and Normal Views. 2005 , 8-27		
46	Magnetic Resonance Imaging and Spectroscopy of Pressure Ulcers. 2005 , 317-336		
45	Contribution of Magnetic Resonance Imaging in Determining Lumpectomy Cavity in Breast Radiotherapy. <i>Current Medical Imaging</i> , 2020 , 16, 997-1003	1.2	
44	Ultrafast compartmental relaxation time mapping with linear algebraic modeling. 2017 , 25, 0071	0	
43	T2 relaxation measurements in X-linked adrenoleukodystrophy performed using dual-echo fast fluid-attenuated inversion recovery MR imaging. <i>American Journal of Neuroradiology</i> , 2001 , 22, 773-6	4.4	3
42	Reproducibility of magnetization transfer ratio histogram-derived measures of the brain in healthy volunteers. <i>American Journal of Neuroradiology</i> , 2000 , 21, 133-6	4.4	28
41	Three-dimensional, T1-weighted gradient-echo imaging of the brain with a volumetric interpolated examination. <i>American Journal of Neuroradiology</i> , 2002 , 23, 995-1002	4.4	47
40	A method for T and T relaxation times validation and harmonization as a support to MRI mapping. <i>Journal of Magnetic Resonance</i> , 2021 , 334, 107110	3	1
39	Temperature dependence, accuracy, and repeatability of T and T relaxation times for the ISMRM/NIST system phantom measured using MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2021 , 87, 1446	4.4	0
38	Nondestructive measurement of intramuscular fat content of fresh beef meat by a hand-held magnetic resonance sensor. <i>International Journal of Food Properties</i> , 2021 , 24, 1722-1736	3	0
37	A low-cost and shielding-free ultra-low-field brain MRI scanner.. <i>Nature Communications</i> , 2021 , 12, 7238	17.4	5
36	Structural Neuroimaging: From Macroscopic to Microscopic Scales. 2022 , 1-35		
35	A multi-modality medical imaging head and neck phantom: Part 1. Design and fabrication.. <i>Physica Medica</i> , 2022 ,	2.7	0
34	Multi-parameter quantitative mapping of R1, R2*, PD, and MTsat is reproducible when accelerated with Compressed SENSE.. <i>NeuroImage</i> , 2022 , 119092	7.9	
33	Using Variable Flip Angle (VFA) and Modified Look-Locker Inversion Recovery (MOLLI) T1 mapping in clinical OE-MRI.. <i>Magnetic Resonance Imaging</i> , 2022 , 89, 92-99	3.3	0
32	MR relaxation times of agar-based tissue-mimicking phantoms.. <i>Journal of Applied Clinical Medical Physics</i> , 2022 , e213533	2.3	1
31	CHAPTER 12. Low-Field and Field-Cycling NMR and MRI of Cartilage. <i>New Developments in NMR</i> , 320-346	0.9	
30	Presentation_1.PDF. 2018 ,		

29	Presentation_1.PPTX. 2019 ,		
28	Table_1.XLSX. 2019 ,		
27	TRANSVERSE RELAXATION IN FIXED TISSUE: INFLUENCE OF TEMPERATURE AND RESOLUTION ON IMAGE CONTRAST IN MAGNETIC RESONANCE MICROSCOPY.. <i>NMR in Biomedicine</i> , 2022 , e4747	4.4	
26	Simultaneous high-resolution T-weighted imaging and quantitative T mapping at low magnetic field strengths using a multiple TE and multi-orientation acquisition approach.. <i>Magnetic Resonance in Medicine</i> , 2022 ,	4.4	0
25	Cerebral correlates of cognitive aging: Gray-white-matter differentiation in the medial temporal lobes, and fluid versus crystallized abilities. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1990 , 18, 475-481		10
24	3T MRI of prostate cancer. 25-32		6
23	T2 mapping in myocardial disease: a comprehensive review. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022 , 24,	6.9	2
22	The effects of long-term methylphenidate administration and withdrawal on progressive ratio responding and T2 MRI in the male rhesus monkey. 2022 , 93, 107119		1
21	Primary Multiparametric Quantitative Brain MRI: State-of-the-Art Relaxometric and Proton Density Mapping Techniques. 2022 , 305, 5-18		0
20	Single-sided Magnet System for Quantitative MR Relaxometry and Preclinical in-vivo Monitoring. 2022 , 1-10		0
19	High-Resolution Magnetization-Transfer Imaging of Post-Mortem Marmoset Brain: Comparisons with Relaxometry and Histology.		0
18	Correlation analysis between the complex electrical permittivity and relaxation time of tissue mimicking phantoms in 7 T MRI. 2022 , 12,		0
17	Modern Low-Field MRI of the Musculoskeletal System. Publish Ahead of Print,		0
16	Fast, interleaved, Look-LockerBased T1 mapping with a variable averaging approach: Towards temperature mapping at low magnetic field.		0
15	Alterations of brain microstructures in a mouse model of prenatal opioid exposure detected by diffusion MRI. 2022 , 12,		0
14	RF coil design for improving human liver fat quantification in a portable single-side MR system.		0
13	MR Contrast Agents: An Overview. 1988 , 26, 1047-1059		2
12	Diffusion-weighted MRI of total hip arthroplasty for classification of synovial reactions: A pilot study. 2023 , 96, 108-115		0

11	Iron-Based Ionic Liquids for Magnetic Resonance Imaging Application.	0
10	Preliminary Experience of Cardiac Proton Spectroscopy at 0.75T.	0
9	Strategies for Magnetic Resonance Imaging of Focal Liver Disease. 1988 , 26, 607-615	3
8	High-Resolution Magnetization-Transfer Imaging of Post-Mortem Marmoset Brain: Comparisons with Relaxometry and Histology. 2023 , 119860	0
7	Quantitative magnetic resonance imaging (qMRI) in Axial Spondyloarthritis.	0
6	Structural Neuroimaging: From Macroscopic to Microscopic Scales. 2023 , 2917-2951	0
5	The Japan Monkey Centre Primates Brain Imaging Repository of high-resolution postmortem magnetic resonance imaging: The second phase of the archive of digital records. 2023 , 273, 120096	0
4	Method of moments for relaxation-based signal separation in magnetic resonance breast cancer detection. 2022 ,	0
3	Silicone-based materials with tailored MR relaxation characteristics for use in reduced coil visibility and in tissue-mimicking phantom design.	0
2	Diagnostic value of T1- and T2-weighted 3-Tesla MRI for postmortem detection and age stage classification of myocardial infarction.	0
1	Pushing the limits of low-cost ultralow-field MRI by dual-acquisition deep learning 3D superresolution.	0