

Lothar R Schad

List of Publications by Year in descending order

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132
papers

3,430
citations

185998

28
h-index

182168

51
g-index

135
all docs

135
docs citations

135
times ranked

4348
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Time and Frequency Domain Solvers for Magnetic Resonance Coils at Different Field Strengths Using a Single Computational Platform. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 146-152.	2.3	1
2	Volumetric ²³ Na Single and Triple-Quantum Imaging at 7T: 3D-CRISTINA. Zeitschrift Fur Medizinische Physik, 2022, 32, 199-208.	0.6	3
3	An anthropomorphic pelvis phantom for MR-guided prostate interventions. Magnetic Resonance in Medicine, 2022, 87, 1605-1612.	1.9	4
4	Simulation, Implementation and Measurement of Defined Sound Fields for Blood-Brain Barrier Opening in Rats. Ultrasound in Medicine and Biology, 2022, 48, 422-436.	0.7	6
5	Acceleration of Magnetic Resonance Fingerprinting Reconstruction Using Denoising and Self-Attention Pyramidal Convolutional Neural Network. Sensors, 2022, 22, 1260.	2.1	4
6	End-to-End Deep Learning CT Image Reconstruction for Metal Artifact Reduction. Applied Sciences (Switzerland), 2022, 12, 404.	1.3	8
7	Deep Learning-Based Total Kidney Volume Segmentation in Autosomal Dominant Polycystic Kidney Disease Using Attention, Cosine Loss, and Sharpness Aware Minimization. Diagnostics, 2022, 12, 1159.	1.3	21
8	Development of an abdominal phantom for the validation of an oligometastatic disease diagnosis workflow. Medical Physics, 2022, 49, 4445-4454.	1.6	3
9	Feature-based CBCT self-calibration for arbitrary trajectories. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 2151-2159.	1.7	1
10	Phase-cycled balanced SSFP imaging for non-contrast-enhanced functional lung imaging. Magnetic Resonance in Medicine, 2022, 88, 1764-1774.	1.9	4
11	Deterministic Arterial Input Function selection in DCE-MRI for automation of quantitative perfusion calculation of colorectal cancer. Magnetic Resonance Imaging, 2021, 75, 116-123.	1.0	1
12	Investigating cardiac stimulation limits of MRI gradient coils using electromagnetic and electrophysiological simulations in human and canine body models. Magnetic Resonance in Medicine, 2021, 85, 1047-1061.	1.9	13
13	Evaluation of Sodium (²³ Na) MR-imaging as a Biomarker and Predictor for Neurodegenerative Changes in Patients With Alzheimer's Disease. In Vivo, 2021, 35, 429-435.	0.6	14
14	²³ Na MRI in ischemic stroke: Acquisition time reduction using postprocessing with convolutional neural networks. NMR in Biomedicine, 2021, 34, e4474.	1.6	9
15	Tissue Sodium Concentration within White Matter Correlates with the Extent of Small Vessel Disease. Cerebrovascular Diseases, 2021, 50, 347-355.	0.8	4
16	Accelerated white matter lesion analysis based on simultaneous T_1 and T_2^* quantification using magnetic resonance fingerprinting and deep learning. Magnetic Resonance in Medicine, 2021, 86, 471-486.	1.9	12
17	Free-breathing simultaneous T_1 , T_2 , and T_2^* quantification in the myocardium. Magnetic Resonance in Medicine, 2021, 86, 1226-1240.	1.9	11
18	Diffusely appearing white matter in multiple sclerosis: Insights from sodium (²³ Na) MRI. Multiple Sclerosis and Related Disorders, 2021, 49, 102752.	0.9	10

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19	Generation of annotated multimodal ground truth datasets for abdominal medical image registration. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1277-1285.	1.7	14
20	Characterization of chronic active multiple sclerosis lesions with sodium (²³ Na) magnetic resonance imaging—preliminary observations. <i>European Journal of Neurology</i> , 2021, 28, 2392-2395.	1.7	8
21	Lesion probability mapping in MS patients using a regression network on MR fingerprinting. <i>BMC Medical Imaging</i> , 2021, 21, 107.	1.4	3
22	Modeling of cardiac stimulation by externally applied electromagnetic fields. , 2021, , .		0
23	Artificial Neural Network-Derived Cerebral Metabolic Rate of Oxygen for Differentiating Glioblastoma and Brain Metastasis in MRI: A Feasibility Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9928.	1.3	5
24	MRI Detection of Changes in Tissue Sodium Concentration in Brain Metastases after Stereotactic Radiosurgery: A Feasibility Study. <i>Journal of Neuroimaging</i> , 2021, 31, 297-305.	1.0	4
25	Automated Screening for Abdominal Aortic Aneurysm in CT Scans under Clinical Conditions Using Deep Learning. <i>Diagnostics</i> , 2021, 11, 2131.	1.3	10
26	X ¹ nuclei imaging: Current state, technical challenges, and future directions. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 355-376.	1.9	37
27	Dissolved hyperpolarized xenon ¹²⁹ MRI in human kidneys. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 262-270.	1.9	23
28	Magnetic resonance fingerprinting for simultaneous renal ¹ T ₁ and ² T ₁ mapping in a single breath-hold. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1940-1948.	1.9	18
29	The cellular heat shock response monitored by chemical exchange saturation transfer MRI. <i>Scientific Reports</i> , 2020, 10, 11118.	1.6	9
30	Protein conformational changes affect the sodium triple-quantum MR signal. <i>NMR in Biomedicine</i> , 2020, 33, e4367.	1.6	5
31	Intracellular Sodium Changes in Cancer Cells Using a Microcavity Array-Based Bioreactor System and Sodium Triple-Quantum MR Signal. <i>Processes</i> , 2020, 8, 1267.	1.3	2
32	Efficient ²³ Na triple-quantum signal imaging on clinical scanners: Cartesian imaging of single and triple-quantum ²³ Na (CRISTINA). <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2412-2428.	1.9	11
33	Prediction of peripheral nerve stimulation thresholds of MRI gradient coils using coupled electromagnetic and neurodynamic simulations. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 686-701.	1.9	51
34	Synthesis of CT images from digital body phantoms using CycleGAN. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1741-1750.	1.7	35
35	Cerebral sodium (²³ Na) magnetic resonance imaging in patients with migraine—a case-control study. <i>European Radiology</i> , 2019, 29, 7055-7062.	2.3	18
36	CT and MRI compatibility of flexible 3D-printed materials for soft actuators and robots used in image-guided interventions. <i>Medical Physics</i> , 2019, 46, 5488-5498.	1.6	14

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37	Temporal evolution of acute multiple sclerosis lesions on serial sodium (²³ Na) MRI. Multiple Sclerosis and Related Disorders, 2019, 29, 48-54.	0.9	22
38	Quantitative Brain Sodium MRI Depicts Corticospinal Impairment in Amyotrophic Lateral Sclerosis. Radiology, 2019, 292, 422-428.	3.6	24
39	Repeatability and reproducibility of cerebral ²³ Na imaging in healthy subjects. BMC Medical Imaging, 2019, 19, 26.	1.4	10
40	Feasibility study of a double resonant 8-channel ¹ H/ 8-channel ²³ Na receive-only head coil at 3 Tesla. Magnetic Resonance Imaging, 2019, 59, 97-104.	1.0	8
41	Simulation-based deep artifact correction with Convolutional Neural Networks for limited angle artifacts. Zeitschrift Fur Medizinische Physik, 2019, 29, 150-161.	0.6	18
42	²³ Na Triple-quantum signal of in vitro human liver cells, liposomes, and nanoparticles: Cell viability assessment vs. separation of intra- and extracellular signal. Journal of Magnetic Resonance Imaging, 2019, 50, 435-444.	1.9	10
43	Feasibility study of a double resonant (¹ H/ ²³ Na) abdominal RF setup at 3 T. Zeitschrift Fur Medizinische Physik, 2019, 29, 359-367.	0.6	10
44	Feasibility of quantitative MR-perfusion imaging to monitor treatment response after uterine artery embolization (UAE) in symptomatic uterus fibroids. Magnetic Resonance Imaging, 2019, 59, 31-38.	1.0	7
45	Risk assessment of copper-containing contraceptives: the impact for women with implanted intrauterine devices during clinical MRI and CT examinations. European Radiology, 2019, 29, 2812-2820.	2.3	3
46	Dynamic ²³ Na MRI - A non-invasive window on neuroglial-vascular mechanisms underlying brain function. NeuroImage, 2019, 184, 771-780.	2.1	12
47	Metabolic counterparts of sodium accumulation in multiple sclerosis: A whole brain ²³ Na-MRI and fast ¹ H-MRSI study. Multiple Sclerosis Journal, 2019, 25, 39-47.	1.4	14
48	Saturation-Recovery Myocardial T1-Mapping during Systole: Accurate and Robust Quantification in the Presence of Arrhythmia. Scientific Reports, 2018, 8, 5251.	1.6	12
49	Histogram based analysis of lung perfusion of children after congenital diaphragmatic hernia repair. Magnetic Resonance Imaging, 2018, 48, 42-49.	1.0	8
50	Time efficient whole-brain coverage with MR Fingerprinting using slice-interleaved echo-planar-imaging. Scientific Reports, 2018, 8, 6667.	1.6	29
51	Oxygen extraction fraction mapping at 3 Tesla using an artificial neural network: A feasibility study. Magnetic Resonance in Medicine, 2018, 79, 890-899.	1.9	15
52	Coupled actuators with a mechanically synchronized phase during MR elastography: A phantom feasibility study. Concepts in Magnetic Resonance Part B, 2018, 48B, .	0.3	4
53	A novel 3D printed mechanical actuator using centrifugal force for magnetic resonance elastography: Initial results in an anthropomorphic prostate phantom. PLoS ONE, 2018, 13, e0205442.	1.1	11
54	Evaluating the effects of receive-only arrays in specific absorption rate simulations at 3 and 7 T. Magnetic Resonance Imaging, 2018, 53, 7-13.	1.0	2

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55	Reducing signal-to-noise ratio degradation due to coil coupling in a receiver array for ^{35}Cl MRI at 9.4T: A comparison of matching and decoupling strategies. Concepts in Magnetic Resonance Part B, 2018, 48B, .	0.3	5
56	Tomosynthesis implementation with adaptive online calibration on clinical C-arm systems. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1481-1495.	1.7	8
57	Evaluation of stacked resonators to enhance the performance of a surface receive-only array for prostate MRI at 3T. Magnetic Resonance Imaging, 2018, 53, 164-172.	1.0	1
58	Temporally resolved parametric assessment of ^2T magnetization recovery (TOPAZ): Dynamic myocardial T_1 mapping using a cine steady-state look-locker approach. Magnetic Resonance in Medicine, 2018, 79, 2087-2100.	1.9	24
59	Quantitative arterial spin labelling perfusion measurements in rat models of renal transplantation and acute kidney injury at 3T. Zeitschrift Fur Medizinische Physik, 2017, 27, 39-48.	0.6	16
60	Desynchronization of Cartesian k-space sampling and periodic motion for improved retrospectively self-gated 3D lung MRI using quasi-random numbers. Magnetic Resonance in Medicine, 2017, 77, 787-793.	1.9	8
61	Color-coded visualization of magnetic resonance imaging multiparametric maps. Scientific Reports, 2017, 7, 41107.	1.6	15
62	Black-blood native T_1 mapping: Blood signal suppression for reduced partial voluming in the myocardium. Magnetic Resonance in Medicine, 2017, 78, 484-493.	1.9	12
63	Partially orthogonal resonators for magnetic resonance imaging. Scientific Reports, 2017, 7, 42347.	1.6	6
64	Combining new tools to assess renal function and morphology: a holistic approach to study the effects of aging and a congenital nephron deficit. American Journal of Physiology - Renal Physiology, 2017, 313, F576-F584.	1.3	14
65	The effect of adipose tissue-derived stem cells in a middle cerebral artery occlusion stroke model depends on their engraftment rate. Stem Cell Research and Therapy, 2017, 8, 96.	2.4	18
66	Sodium MRI of T1 High Signal Intensity in the Dentate Nucleus due to Gadolinium Deposition in Multiple Sclerosis. Journal of Neuroimaging, 2017, 27, 372-375.	1.0	26
67	Polyphonic sonification of electrocardiography signals for diagnosis of cardiac pathologies. Scientific Reports, 2017, 7, 44549.	1.6	15
68	1D and 2D diffusion pore imaging on a preclinical MR system using adaptive rephasing: Feasibility and pulse sequence comparison. Journal of Magnetic Resonance, 2017, 278, 39-50.	1.2	4
69	Magnetic resonance fingerprinting using echo-planar imaging: Joint quantification of T_1 and relaxation times. Magnetic Resonance in Medicine, 2017, 78, 1724-1733.	1.9	55
70	Increased total sodium concentration in gray matter better explains cognition than atrophy in MS. Neurology, 2017, 88, 289-295.	1.5	40
71	Diffusion parameter mapping with the combined intravoxel incoherent motion and kurtosis model using artificial neural networks at 3T. NMR in Biomedicine, 2017, 30, e3833.	1.6	49
72	Comparison of perfusion models for quantitative T1 weighted DCE-MRI of rectal cancer. Scientific Reports, 2017, 7, 12036.	1.6	12

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73	Predicting Magnetostimulation Thresholds in the Peripheral Nervous System using Realistic Body Models. Scientific Reports, 2017, 7, 5316.	1.6	45
74	Tracking protein function with sodium multi quantum spectroscopy in a 3D-tissue culture based on microcavity arrays. Scientific Reports, 2017, 7, 3943.	1.6	10
75	Gaussian signal relaxation around spin echoes: Implications for precise reversible transverse relaxation quantification of pulmonary tissue at 1.5 and 3 Tesla. Magnetic Resonance in Medicine, 2017, 77, 1938-1945.	1.9	13
76	Cerebral Microbleeds in Murine Amyloid Angiopathy. Stroke, 2017, 48, 2248-2254.	1.0	18
77	Brain sodium MRI in human epilepsy: Disturbances of ionic homeostasis reflect the organization of pathological regions. NeuroImage, 2017, 157, 173-183.	2.1	31
78	Design of a multimodal ($^1\text{H}/^{23}\text{Na}$ MR/CT) anthropomorphic thorax phantom. Zeitschrift Fur Medizinische Physik, 2017, 27, 124-131.	0.6	11
79	Identification of a characteristic vascular belt zone in human colorectal cancer. PLoS ONE, 2017, 12, e0171378.	1.1	14
80	Experimental and mathematical analysis of cAMP nanodomains. PLoS ONE, 2017, 12, e0174856.	1.1	42
81	Tracking Cellular Functions by Exploiting the Paramagnetic Properties of ^{19}F Nuclei. , 2016, , .		1
82	Statin Therapy and the Development of Cerebral Amyloid Angiopathyâ€”A Rodent in Vivo Approach. International Journal of Molecular Sciences, 2016, 17, 126.	1.8	5
83	Fast three-dimensional inner volume excitations using parallel transmission and optimized k-space trajectories. Magnetic Resonance in Medicine, 2016, 76, 1170-1182.	1.9	16
84	Enhancing the quantification of tissue sodium content by MRI: time-efficient sodium ^1B mapping at clinical field strengths. NMR in Biomedicine, 2016, 29, 129-136.	1.6	29
85	Multistage self-gated lung imaging in small rodents. Magnetic Resonance in Medicine, 2016, 75, 2448-2454.	1.9	9
86	^{19}F Oximetry with semifluorinated alkanes. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1861-1866.	1.9	7
87	Investigating potentially salvageable penumbra tissue in an in vivo model of transient ischemic stroke using sodium, diffusion, and perfusion magnetic resonance imaging. BMC Neuroscience, 2016, 17, 82.	0.8	20
88	Multi-class texture analysis in colorectal cancer histology. Scientific Reports, 2016, 6, 27988.	1.6	305
89	Deficient fear extinction memory in posttraumatic stress disorder. Neurobiology of Learning and Memory, 2016, 136, 116-126.	1.0	86
90	Fast glomerular quantification of whole ex vivo mouse kidneys using Magnetic Resonance Imaging at 9.4 Tesla. Zeitschrift Fur Medizinische Physik, 2016, 26, 54-62.	0.6	13

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91	A novel approach for a 2D/3D image registration routine for medical tool navigation in minimally invasive vascular interventions. <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 259-269.	0.6	6
92	An open source software for analysis of dynamic contrast enhanced magnetic resonance images: UMMPerfusion revisited. <i>BMC Medical Imaging</i> , 2016, 16, 7.	1.4	23
93	Quantitative sodium MRI of kidney. <i>NMR in Biomedicine</i> , 2016, 29, 197-205.	1.6	40
94	Heterogeneity of acute multiple sclerosis lesions on sodium (²³ Na) MRI. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1040-1047.	1.4	37
95	Sodium-23 MRI of whole spine at 3 Tesla using a 5-channel receive-only phased-array and a whole-body transmit resonator. <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 95-100.	0.6	15
96	Brain morphology correlates of interindividual differences in conditioned fear acquisition and extinction learning. <i>Brain Structure and Function</i> , 2016, 221, 1927-1937.	1.2	24
97	Myocardial T1-mapping at 3T using saturation-recovery: reference values, precision and comparison with MOLLI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 84.	1.6	70
98	Three-dimensional accurate detection of lung emphysema in rats using ultra-short and zero echo time MRI. <i>NMR in Biomedicine</i> , 2015, 28, 1471-1479.	1.6	35
99	A double-tuned ¹ H/ ²³ Na resonator allows ¹ H-guided ²³ Na-MRI in ischemic stroke patients in one session. <i>International Journal of Stroke</i> , 2015, 10, 56-61.	2.9	18
100	Continuous representation of tumor microvessel density and detection of angiogenic hotspots in histological whole-slide images. <i>Oncotarget</i> , 2015, 6, 19163-19176.	0.8	53
101	New Colors for Histology: Optimized Bivariate Color Maps Increase Perceptual Contrast in Histological Images. <i>PLoS ONE</i> , 2015, 10, e0145572.	1.1	18
102	Semi-automatic lung segmentation of DCE-MRI data sets of 2-year old children after congenital diaphragmatic hernia repair: Initial results. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1345-1349.	1.0	7
103	Comparison of automated brain segmentation using a brain phantom and patients with early Alzheimer's dementia or mild cognitive impairment. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 299-305.	0.9	39
104	Scan time reduction in ²³ Na-Magnetic Resonance Imaging using the chemical shift imaging sequence: Evaluation of an iterative reconstruction method. <i>Zeitschrift Fur Medizinische Physik</i> , 2015, 25, 275-286.	0.6	11
105	Comparison of grey matter volume and thickness for analysing cortical changes in chronic schizophrenia: A matter of surface area, grey/white matter intensity contrast, and curvature. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 176-183.	0.9	71
106	Sodium magnetic resonance imaging using ultra-short echo time sequences with anisotropic resolution and uniform k-space sampling. <i>Magnetic Resonance Imaging</i> , 2015, 33, 319-327.	1.0	7
107	Perfusion and ventilation filters for Fourier-decomposition MR lung imaging. <i>Zeitschrift Fur Medizinische Physik</i> , 2015, 25, 66-76.	0.6	11
108	Neural Mechanism of a Sex-Specific Risk Variant for Posttraumatic Stress Disorder in the Type I Receptor of the Pituitary Adenylate Cyclase Activating Polypeptide. <i>Biological Psychiatry</i> , 2015, 78, 840-847.	0.7	47

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109	Non-invasive quantitative pulmonary V/Q imaging using Fourier decomposition MRI at 1.5T. Zeitschrift Fur Medizinische Physik, 2015, 25, 326-332.	0.6	19
110	Functional imaging of acute kidney injury at 3 Tesla: Investigating multiple parameters using DCE-MRI and a two-compartment filtration model. Zeitschrift Fur Medizinische Physik, 2015, 25, 58-65.	0.6	19
111	Optimized protocol for high resolution functional magnetic resonance imaging at 3T using single-shot echo planar imaging. Journal of Neuroscience Methods, 2015, 239, 170-182.	1.3	2
112	Thrombolysis in Experimental Cerebral Amyloid Angiopathy and the Risk of Secondary Intracerebral Hemorrhage. Stroke, 2014, 45, 2411-2416.	1.0	10
113	First In Vivo Potassium-39 ^{39}K ETQq1 1 0.784314 rgBT /Overlock Coil Cooled to 77 K. IEEE Transactions on Biomedical Engineering, 2014, 61, 334-345.	2.5	17
114	Quantitative lung perfusion evaluation using fourier decomposition perfusion MRI. Magnetic Resonance in Medicine, 2014, 72, 558-562.	1.9	43
115	Pre-clinical functional Magnetic Resonance Imaging part II: The heart. Zeitschrift Fur Medizinische Physik, 2014, 24, 307-322.	0.6	11
116	Chlorine and sodium chemical shift imaging during acute stroke in a rat model at 9.4 Tesla. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 71-79.	1.1	10
117	Pre-clinical functional Magnetic Resonance Imaging part I: The kidney. Zeitschrift Fur Medizinische Physik, 2014, 24, 286-306.	0.6	11
118	^{23}Na -magnetic resonance imaging of the human lumbar vertebral discs: in vivo measurements at 3.0 T in healthy volunteers and patients with low back pain. Spine Journal, 2014, 14, 1343-1350.	0.6	10
119	Renal perfusion in acute kidney injury with DCE-MRI: Deconvolution analysis versus two-compartment filtration model. Magnetic Resonance Imaging, 2014, 32, 781-785.	1.0	22
120	Non-invasive multiparametric qBOLD approach for robust mapping of the oxygen extraction fraction. Zeitschrift Fur Medizinische Physik, 2014, 24, 231-242.	0.6	16
121	Fully-automated quality assurance in multi-center studies using MRI phantom measurements. Magnetic Resonance Imaging, 2014, 32, 771-780.	1.0	45
122	Distribution of Brain Sodium Accumulation Correlates with Disability in Multiple Sclerosis: A Cross-sectional ^{23}Na MR Imaging Study. Radiology, 2012, 264, 859-867.	3.6	111
123	Apparent Diffusion Coefficient and Sodium Concentration Measurements in Human Prostate Tissue via Hydrogen-1 and Sodium-23 Magnetic Resonance Imaging in a Clinical Setting at 3 T. Investigative Radiology, 2012, 47, 677-682.	3.5	23
124	3 Tesla Sodium Inversion Recovery Magnetic Resonance Imaging Allows for Improved Visualization of Intracellular Sodium Content Changes in Muscular Channelopathies. Investigative Radiology, 2011, 46, 759-766.	3.5	79
125	Two-dimensional radial acquisition technique with density adaption in sodium MRI. Magnetic Resonance in Medicine, 2011, 65, 1090-1096.	1.9	42
126	Quantitative and Qualitative ^{23}Na MR Imaging of the Human Kidneys at 3 T: Before and after a Water Load. Radiology, 2011, 260, 857-865.	3.6	70

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127	<i>In vivo</i> chlorine-35, sodium-23 and proton magnetic resonance imaging of the rat brain. NMR in Biomedicine, 2010, 23, 592-600.	1.6	24
128	Reduction of inhomogeneity effects in triple-quantum-filtered sodium imaging. Journal of Magnetic Resonance, 2010, 202, 239-244.	1.2	36
129	Tumor tissue analysis by self organizing maps from combined DCE-/DSC-MRI data. , 2009, , .		1
130	Non-contrast-enhanced perfusion and ventilation assessment of the human lung by means of fourier decomposition in proton MRI. Magnetic Resonance in Medicine, 2009, 62, 656-664.	1.9	260
131	Sodium MRI using a density-adapted 3D radial acquisition technique. Magnetic Resonance in Medicine, 2009, 62, 1565-1573.	1.9	231
132	3D radial projection technique with ultrashort echo times for sodium MRI: Clinical applications in human brain and skeletal muscle. Magnetic Resonance in Medicine, 2007, 57, 74-81.	1.9	166