Klaus Scheffler

List of Publications by Year
in descending order

364	14,726	22153	34986
papers	citations	59 h-index	98 g-index

385	385	385	14320
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linear projectionâ€based chemical exchange saturation transfer parameter estimation. NMR in Biomedicine, 2023, 36, e4697.	2.8	7
2	Neural Basis of Impaired Emotion Recognition in Adult Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 680-687.	1.5	3
3	ADHD patients with DIRAS2 risk allele need more thalamic activation during emotional face-voice recognition. Psychiatry Research, 2022, 308, 114355.	3.3	0
4	GLINT: GlucoCEST in neoplastic tumors at 3ÂTâ€"clinical results of GlucoCEST in gliomas. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 77-85.	2.0	6
5	Developing formalinâ€based fixative agents for post mortem brain MRI at 9.4ÂT. Magnetic Resonance in Medicine, 2022, 87, 2481-2494.	3.0	5
6	Highâ€resolution neural networkâ€driven mapping of multiple diffusion metrics leveraging asymmetries in the balanced steadyâ€state free precession frequency profile. NMR in Biomedicine, 2022, 35, e4669.	2.8	1
7	Accelerated MRI at 9.4 T with electronically modulated timeâ€varying receive sensitivities. Magnetic Resonance in Medicine, 2022, 88, 742-756.	3.0	3
8	MR-double-zero â€“ Proof-of-concept for a framework to autonomously discover MRI contrasts. Journal of Magnetic Resonance, 2022, 341, 107237.	2.1	4
9	Doubleâ€row dipole/loop combined array for human whole brain imaging at 7ÂT. NMR in Biomedicine, 2022, 35, e4773.	2.8	6
10	Microvascular imaging of the unstained human superior colliculus using synchrotron-radiation phase-contrast microtomography. Scientific Reports, 2022, 12, .	3.3	4
11	Novelty-Related fMRI Responses of Precuneus and Medial Temporal Regions in Individuals at Risk for Alzheimer Disease. Neurology, 2022, 99, .	1.1	24
12	A 32â€element loop/dipole hybrid array for human head imaging at <scp>7ÂT</scp>. Magnetic Resonance in Medicine, 2022, 88, 1912-1926.	3.0	12
13	Phaseâ€based masking for quantitative susceptibility mapping of the human brain at 9.<scp>4T</scp>. Magnetic Resonance in Medicine, 2022, 88, 2267-2276.	3.0	7
14	T2-Pseudonormalization and Microstructural Characterization in Advanced Stages of Late-infantile Metachromatic Leukodystrophy. Clinical Neuroradiology, 2021, 31, 969-980.	1.9	10
15	Intravascular BOLD signal characterization of balanced SSFP experiments in human blood at high to ultrahigh fields. Magnetic Resonance in Medicine, 2021, 85, 2055-2068.	3.0	3
16	Abnormal Regional and Global Connectivity Measures in Subjective Cognitive Decline Depending on Cerebral Amyloid Status. Journal of Alzheimer's Disease, 2021, 79, 493-509.	2.6	14
17	On the interference from agar in chemical exchange saturation transfer MRI parameter optimization in model solutions. NMR in Biomedicine, 2021, 34, e4403.	2.8	5
18	Quantitative and simultaneous measurement of oxygen consumption rates in rat brain and skeletal muscle using ¹⁷O MRS imaging at 16.4T. Magnetic Resonance in Medicine, 2021, 85, 2232-2246.	3.0	7

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19	Association between composite scores of domain-specific cognitive functions and regional patterns of atrophy and functional connectivity in the Alzheimerâ€™s disease spectrum. NeuroImage: Clinical, 2021, 29, 102533.	2.7	15
20	Unshielded bent foldedâ€end dipole 9.4 T human head transceiver array decoupled using modified passive dipoles. Magnetic Resonance in Medicine, 2021, 86, 581-597.	3.0	13
21	Jumping over baselines with new methods to predict activation maps from resting-state fMRI. Scientific Reports, 2021, 11, 3480.	3.3	2
22	MRzero â€•Automated discovery of MRI sequences using supervised learning. Magnetic Resonance in Medicine, 2021, 86, 709-724.	3.0	24
23	Hippocampal and Hippocampal-Subfield Volumes From Early-Onset Major Depression and Bipolar Disorder to Cognitive Decline. Frontiers in Aging Neuroscience, 2021, 13, 626974.	3.4	15
24	Pulseqâ€CEST: Towards multiâ€site multiâ€vendor compatibility and reproducibility of CEST experiments using an openâ€source sequence standard. Magnetic Resonance in Medicine, 2021, 86, 1845-1858.	3.0	33
25	Multiâ€echo gradientâ€recalledâ€echo phase unwrapping using a Nyquist sampled virtual echo train in the presence of highâ€field gradients. Magnetic Resonance in Medicine, 2021, 86, 2220-2233.	3.0	1
26	BOLD sensitivity and vessel size specificity along CPMG and GRASE echo trains. Magnetic Resonance in Medicine, 2021, 86, 2076-2083.	3.0	4
27	Foldedâ€end dipole transceiver array for human wholeâ€brain imaging at 7ÂT. NMR in Biomedicine, 2021, 34, e4541.	2.8	11
28	Mediterranean Diet, Alzheimer Disease Biomarkers, and Brain Atrophy in Old Age. Neurology, 2021, 96, .	1.1	72
29	9.4â€‰T doubleâ€tuned ¹³C/¹H human head array using a combination of surface loops and dipole antennas. NMR in Biomedicine, 2021, 34, e4577.	2.8	9
30	Sensitivity and resolution improvement for in vivo magnetic resonance currentâ€density imaging of the human brain. Magnetic Resonance in Medicine, 2021, 86, 3131-3146.	3.0	4
31	Coherent Evolution of Signal Amplification by Reversible Exchange in Two Alternating Fields (altâ€SABRE). ChemPhysChem, 2021, 22, 2381-2386.	2.1	14
32	Assessment of single-vessel cerebral blood velocity by phase contrast fMRI. PLoS Biology, 2021, 19, e3000923.	5.6	9
33	Quantitative Susceptibility Mapping of the Basal Ganglia and Thalamus at 9.4 Tesla. Frontiers in Neuroanatomy, 2021, 15, 725731.	1.7	2
34	The effects of nitroxide structure upon 1H Overhauser dynamic nuclear polarization efficacy at ultralow-field. Journal of Chemical Physics, 2021, 155, 144203.	3.0	5
35	Design of a shim coil array matched to the human brain anatomy. Magnetic Resonance in Medicine, 2020, 83, 1442-1457.	3.0	12
36	Insulin Action in the Hypothalamus Increases Second-Phase Insulin Secretion in Humans. Neuroendocrinology, 2020, 110, 929-937.	2.5	23

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37	Dynamic B 0 shimming of the motor cortex and cerebellum with a multicoil shim setup for BOLD fMRI at 9.4T. Magnetic Resonance in Medicine, 2020, 83, 1730-1740.	3.0	2
38	A 32â€channel multiâ€coil setup optimized for human brain shimming at 9.4T. Magnetic Resonance in Medicine, 2020, 83, 749-764.	3.0	21
39	Are you laughing at me? Neural correlates of social intent attribution to auditory and visual laughter. Human Brain Mapping, 2020, 41, 353-361.	3.6	7
40	An orthogonal shim coil for 3T brain imaging. Magnetic Resonance in Medicine, 2020, 83, 1499-1511.	3.0	11
41	Impact of prospective motion correction, distortion correction methods and large vein bias on the spatial accuracy of cortical laminar fMRI at 9.4 Tesla. NeuroImage, 2020, 208, 116434.	4.2	23
42	DeepCEST 3T: Robust MRI parameter determination and uncertainty quantification with neural networksâ€"application to CEST imaging of the human brain at 3T. Magnetic Resonance in Medicine, 2020, 84, 450-466.	3.0	48
43	Structure or Exchange? On the Feasibility of Chemical Exchange Detection with Balanced Steadyâ€State Free Precession in Tissue â€“ An In Vitro Study. NMR in Biomedicine, 2020, 33, e4200.	2.8	5
44	A CMOS NMR needle for probing brain physiology with high spatial and temporal resolution. Nature Methods, 2020, 17, 64-67.	19.0	28
45	Bent foldedâ€end dipole head array for ultrahighâ€field MRI turns â€œdielectric resonanceâ€• from an enemy to a friend. Magnetic Resonance in Medicine, 2020, 84, 3453-3467.	3.0	21
46	Investigating obesityâ€associated brain inflammation using quantitative water content mapping. Journal of Neuroendocrinology, 2020, 32, e12907.	2.6	22
47	Depth relationships and measures of tissue thickness in dorsal midbrain. Human Brain Mapping, 2020, 41, 5083-5096.	3.6	4
48	Multimodal MRI analysis of basal forebrain structure and function across the Alzheimerâ€™s disease spectrum. NeuroImage: Clinical, 2020, 28, 102495.	2.7	17
49	Whole brain snapshot CEST at 3T using 3Dâ€EPI: Aiming for speed, volume, and homogeneity. Magnetic Resonance in Medicine, 2020, 84, 2469-2483.	3.0	25
50	Multiâ€parametric artificial neural network fitting of phaseâ€cycled balanced steadyâ€state free precession data. Magnetic Resonance in Medicine, 2020, 84, 2981-2993.	3.0	8
51	Imaging Pulmonary Blood Flow Using Pseudocontinuous Arterial Spin Labeling (<scp>PCASL</scp>) With Balanced Steadyâ€State Freeâ€Precession (<scp>bSSFP</scp>) Readout at 1.5T. Journal of Magnetic Resonance Imaging, 2020, 52, 1767-1782.	3.4	8
52	Eye-selective fMRI activity in human primary visual cortex: Comparison between 3Ââ€‹T and 9.4Ââ€‹T, and effects across cortical depth. NeuroImage, 2020, 220, 117078.	4.2	13
53	Decoupling of foldedâ€end dipole antenna elements of a 9.4 T human head array using an RF shield. NMR in Biomedicine, 2020, 33, e4351.	2.8	16
54	The anterior and medial thalamic nuclei and the human limbic system: tracing the structural connectivity using diffusion-weighted imaging. Scientific Reports, 2020, 10, 10957.	3.3	49

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55	Doubleâ€tuned ³¹P/¹H human head array with high performance at both frequencies for spectroscopic imaging at 9.4T. Magnetic Resonance in Medicine, 2020, 84, 1076-1089.	3.0	21
56	Ultra-High Field MRI in Alzheimerâ€™s Disease: Effective Transverse Relaxation Rate and Quantitative Susceptibility Mapping of Human Brain In Vivo and Ex Vivo compared to Histology. Journal of Alzheimer's Disease, 2020, 73, 1481-1499.	2.6	24
57	Neural representation of illusory reversed depth in anti-correlated random-dot stereograms across visual cortical areas in central and peripheral visual fields: An fMRI study. Journal of Vision, 2020, 20, 1522.	0.3	0
58	MP2RAGE multispectral voxelâ€based morphometry in focal epilepsy. Human Brain Mapping, 2019, 40, 5042-5055.	3.6	13
59	Cover Image, Volume 32, Issue 9. NMR in Biomedicine, 2019, 32, e3984.	2.8	4
60	Adaptive denoising for chemical exchange saturation transfer MR imaging. NMR in Biomedicine, 2019, 32, e4133.	2.8	32
61	Functional Connectivity Within the Gustatory Network Is Altered by Fat Content and Oral Fat Sensitivity â€“ A Pilot Study. Frontiers in Neuroscience, 2019, 13, 725.	2.8	10
62	Quantification of hydroxyl exchange of Dâ€Glucose at physiological conditions for optimization of glucoCEST MRI at 3, 7 and 9.4 Tesla. NMR in Biomedicine, 2019, 32, e4113.	2.8	49
63	Multiple Quantum Coherences Hyperpolarized at Ultraâ€Low Fields. ChemPhysChem, 2019, 20, 2823-2829.	2.1	14
64	Brainglance: Visualizing Group Level MRI Data at One Glance. Frontiers in Neuroscience, 2019, 13, 972.	2.8	7
65	Properties of face localizer activations and their application in functional magnetic resonance imaging (fMRI) fingerprinting. PLoS ONE, 2019, 14, e0214997.	2.5	7
66	Multicenter Tract-Based Analysis of Microstructural Lesions within the Alzheimerâ€™s Disease Spectrum: Association with Amyloid Pathology and Diagnostic Usefulness. Journal of Alzheimer's Disease, 2019, 72, 455-465.	2.6	15
67	Cerebrospinal fluid biogenic amines depletion and brain atrophy in adult patients with phenylketonuria. Journal of Inherited Metabolic Disease, 2019, 42, 398-406.	3.6	38
68	T1Ïâ€based dynamic glucoseâ€enhanced (DGEÏ) MRI at 3 T: method development and early clinical experience in the human brain. Magnetic Resonance in Medicine, 2019, 82, 1832-1847.	3.0	43
69	CACNA1C risk variant affects microstructural connectivity of the amygdala. NeuroImage: Clinical, 2019, 22, 101774.	2.7	3
70	Dependence of resting-state fMRI fluctuation amplitudes on cerebral cortical orientation relative to the direction of B0 and anatomical axes. NeuroImage, 2019, 196, 337-350.	4.2	29
71	Spreadâ€spectrum magnetic resonance imaging. Magnetic Resonance in Medicine, 2019, 82, 877-885.	3.0	13
72	The stray magnetic fields in Magnetic Resonance Current Density Imaging (MRCDI). Physica Medica, 2019, 59, 142-150.	0.7	12

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73	Evaluation of short folded dipole antennas as receive elements of ultraâ€highâ€field human head array. Magnetic Resonance in Medicine, 2019, 82, 811-824.	3.0	16
74	DeepCEST: 9.4 T Chemical exchange saturation transfer MRI contrast predicted from 3ÂT data â€“ a proof of concept study. Magnetic Resonance in Medicine, 2019, 81, 3901-3914.	3.0	30
75	Pattern of Cerebellar Atrophy in Friedreichâ€™s Ataxiaâ€”Using the SUIT Template. Cerebellum, 2019, 18, 435-447.	2.5	23
76	Comparison of prospective head motion correction with NMR field probes and an optical tracking system. Magnetic Resonance in Medicine, 2019, 81, 719-729.	3.0	23
77	CEST imaging at 9.4 T using adjusted adiabatic spinâ€lock pulses for onâ€•and offâ€resonant T1âˆ•â€dominated Zâ€spectrum acquisition. Magnetic Resonance in Medicine, 2019, 81, 275-290.	3.0	18
78	Possible artifacts in dynamic CEST MRI due to motion and field alterations. Journal of Magnetic Resonance, 2019, 298, 16-22.	2.1	41
79	3D gradient echo snapshot CEST MRI with low power saturation for human studies at 3T. Magnetic Resonance in Medicine, 2019, 81, 2412-2423.	3.0	54
80	Feasibility of functional MRI at ultralow magnetic field via changes in cerebral blood volume. NeuroImage, 2019, 186, 185-191.	4.2	8
81	Doubleâ€row 18â€loop transceiveâ€“32â€loop receive tightâ€fit array provides for wholeâ€brain coverage, high transmit performance, and SNR improvement near the brain center at 9.4T. Magnetic Resonance in Medicine, 2019, 81, 3392-3405.	3.0	27
82	The BOLD sensitivity of rapid steadyâ€state sequences. Magnetic Resonance in Medicine, 2019, 81, 2526-2535.	3.0	15
83	Spatial-temporal perfusion patterns of the human liver assessed by pseudo-continuous arterial spin labeling MRI. Zeitschrift Fur Medizinische Physik, 2019, 29, 173-183.	1.5	12
84	Ultra-Slow Single-Vessel BOLD and CBV-Based fMRI Spatiotemporal Dynamics and Their Correlation with Neuronal Intracellular Calcium Signals. Neuron, 2018, 97, 925-939.e5.	8.1	113
85	An MR-Compatible Haptic Interface With Seven Degrees of Freedom. IEEE/ASME Transactions on Mechatronics, 2018, 23, 624-635.	5.8	5
86	Neural correlates of processing emotional prosody in unipolar depression. Human Brain Mapping, 2018, 39, 3419-3427.	3.6	11
87	Dynamic <scp>B</scp>₀ shimming of the human brain at 9.4 <scp>T</scp> with a 16â€channel multiâ€coil shim setup. Magnetic Resonance in Medicine, 2018, 80, 1714-1725.	3.0	27
88	Snapshotâ€CEST: Optimizing spiralâ€centricâ€reordered gradient echo acquisition for fast and robust 3D CEST MRI at 9.4ÂT. NMR in Biomedicine, 2018, 31, e3879.	2.8	76
89	Autofocusingâ€based phase correction. Magnetic Resonance in Medicine, 2018, 80, 958-968.	3.0	1
90	Dose-Dependent Effects of Intranasal Insulin on Resting-State Brain Activity. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 253-262.	3.6	47

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91	Human in-vivo brain magnetic resonance current density imaging (MRCDI). NeuroImage, 2018, 171, 26-39.	4.2	44
92	Multiline balanced <scp>SSFP</scp> for rapid functional imaging at ultrahigh field. Magnetic Resonance in Medicine, 2018, 79, 994-1000.	3.0	6
93	Sensitivity analysis of magnetic field measurements for magnetic resonance electrical impedance tomography (MREIT). Magnetic Resonance in Medicine, 2018, 79, 748-760.	3.0	13
94	Hybrid ultrasoundâ€•MR guided HIFU treatment method with 3 D motion compensation. Magnetic Resonance in Medicine, 2018, 79, 2511-2523.	3.0	15
95	Constrained optimization for position calibration of an NMR field camera. Magnetic Resonance in Medicine, 2018, 80, 380-390.	3.0	0
96	QUESP and QUEST revisited â€“ fast and accurate quantitative CEST experiments. Magnetic Resonance in Medicine, 2018, 79, 1708-1721.	3.0	82
97	Identifying Respiration-Related Aliasing Artifacts in the Rodent Resting-State fMRI. Frontiers in Neuroscience, 2018, 12, 788.	2.8	24
98	Mutual benefit achieved by combining ultralow-field magnetic resonance and hyperpolarizing techniques. Review of Scientific Instruments, 2018, 89, 125103.	1.3	14
99	Fast track to the neocortex: A memory engram in the posterior parietal cortex. Science, 2018, 362, 1045-1048.	12.6	145
100	LISA improves statistical analysis for fMRI. Nature Communications, 2018, 9, 4014.	12.8	27
101	Decoupling of a doubleâ€row 16â€element tightâ€fit transceiver phased array for human wholeâ€brain imaging at 9.4 T. NMR in Biomedicine, 2018, 31, e3964.	2.8	15
102	In-vivo quantitative structural imaging of the human midbrain and the superior colliculus at 9.4T. NeuroImage, 2018, 177, 117-128.	4.2	11
103	[OA019] Human in-vivo Magnetic Resonance Current Density Imaging (MRCDI) and MR Electrical Impedance Tomography (MREIT). Physica Medica, 2018, 52, 8.	0.7	0
104	Evaluating the impact of fast-fMRI on dynamic functional connectivity in an event-based paradigm. PLoS ONE, 2018, 13, e0190480.	2.5	19
105	Chemical exchange saturation transfer MRI contrast in the human brain at 9.4â€¯T. NeuroImage, 2018, 179, 144-155.	4.2	32
106	Fat label compared with fat content: gastrointestinal symptoms and brain activity in functional dyspepsia patients and healthy controls. American Journal of Clinical Nutrition, 2018, 108, 127-135.	4.7	15
107	Depthâ€dependence of visual signals in the human superior colliculus at 9.4 T. Human Brain Mapping, 2017, 38, 574-587.	3.6	11
108	Volitional regulation of brain responses to food stimuli in overweight and obese subjects: A real-time fMRI feedback study. Appetite, 2017, 112, 188-195.	3.7	66

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109	Fast and efficient free induction decay MR spectroscopic imaging of the human brain at 9.4 Tesla. Magnetic Resonance in Medicine, 2017, 78, 1281-1295.	3.0	14
110	Functional anatomy of the human thalamus at rest. NeuroImage, 2017, 147, 678-691.	4.2	68
111	Evaluation of transmit efficiency and SAR for a tight fit transceiver human head phased array at 9.4ÂT. NMR in Biomedicine, 2017, 30, e3680.	2.8	34
112	SQUID-based detection of ultra-low-field multinuclear NMR of substances hyperpolarized using signal amplification by reversible exchange. Scientific Reports, 2017, 7, 13431.	3.3	29
113	The impact of vessel size, orientation and intravascular contribution on the neurovascular fingerprint of BOLD bSSFP fMRI. NeuroImage, 2017, 163, 13-23.	4.2	49
114	Cognitive brain responses during circadian wake-promotion: evidence for sleep-pressure-dependent hypothalamic activations. Scientific Reports, 2017, 7, 5620.	3.3	19
115	Intranasal insulin enhances brain functional connectivity mediating the relationship between adiposity and subjective feeling of hunger. Scientific Reports, 2017, 7, 1627.	3.3	63
116	â€œWrong Way Upâ€• Temporal and Spatial Dynamics of the Networks for Body Motion Processing at 9.4 T. Cerebral Cortex, 2017, 27, 5318-5330.	2.9	21
117	Whole brain MP2RAGE-based mapping of the longitudinal relaxation time at 9.4T. NeuroImage, 2017, 144, 203-216.	4.2	40
118	Association between Neuroticism and Emotional Face Processing. Scientific Reports, 2017, 7, 17669.	3.3	15
119	Two-photon and fMRI measurements of activity dependent single vessel dynamics in mouse. , 2017, , .		0
120	Towards CMOS-based in-vivo NMR spectroscopy and microscopy. , 2017, , .		7
121	MRI using 23 Na. , 2017, , 911-918.		1
122	Assessing White Matter Microstructure in Brain Regions with Different Myelin Architecture Using MRI. PLoS ONE, 2016, 11, e0167274.	2.5	37
123	Signalâ€toâ€noise ratio and MR tissue parameters in human brain imaging at 3, 7, and 9.4 tesla using current receive coil arrays. Magnetic Resonance in Medicine, 2016, 75, 801-809.	3.0	299
124	Effect of temporal resolution and serial autocorrelations in eventâ€related functional MRI. Magnetic Resonance in Medicine, 2016, 76, 1805-1813.	3.0	34
125	17O relaxation times in the rat brain at 16.4 tesla. Magnetic Resonance in Medicine, 2016, 75, 1886-1893.	3.0	6
126	MR spectroscopy for in vivo assessment of the oncometabolite 2â€hydroxyglutarate and its effects on cellular metabolism in human brain gliomas at 9.4T. Journal of Magnetic Resonance Imaging, 2016, 44, 823-833.	3.4	36

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127	Threeâ€layered radio frequency coil arrangement for sodium MRI of the human brain at 9.4 Tesla. Magnetic Resonance in Medicine, 2016, 75, 906-916.	3.0	48
128	Safety testing and operational procedures for selfâ€developed radiofrequency coils. NMR in Biomedicine, 2016, 29, 1131-1144.	2.8	91
129	Ratiometric Method for Rapid Monitoring of Biological Processes Using Bioresponsive MRI Contrast Agents. ACS Sensors, 2016, 1, 483-487.	7.8	21
130	Neurobiology of knowledge and misperception of lyrics. NeuroImage, 2016, 134, 12-21.	4.2	3
131	Combination of a multimode antenna and <scp>TIAMO</scp> for travelingâ€wave imaging at 9.4 <scp>T</scp>esla. Magnetic Resonance in Medicine, 2016, 75, 452-462.	3.0	8
132	Highâ€resolution mapping of neuronal activation with balanced SSFP at 9.4 tesla. Magnetic Resonance in Medicine, 2016, 76, 163-171.	3.0	29
133	A simple approach to a new T₈-POSS based MRI contrast agent. Dalton Transactions, 2016, 45, 15104-15113.	3.3	7
134	An array of fully-integrated quadrature TX/RX NMR field probes for MRI trajectory mapping. , 2016, , .		22
135	Paramagnetic lanthanide chelates for multicontrast MRI. Chemical Communications, 2016, 52, 9224-9227.	4.1	22
136	Volumetric imaging with homogenised excitation and static field at 9.4 T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 333-345.	2.0	23
137	Tripleâ€quantumâ€filtered sodium imaging at 9.4 Tesla. Magnetic Resonance in Medicine, 2016, 75, 1278-1289.	3.0	9
138	Threeâ€layered radio frequency coil arrangement for sodium MRI of the human brain at 9.4 Tesla. Magnetic Resonance in Medicine, 2016, 75, spcone.	3.0	0
139	31P CSI of the human brain in healthy subjects and tumor patients at 9.4ÂT with a three-layered multi-nuclear coil: initial results. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 579-589.	2.0	31
140	Specific white matter tissue microstructure changes associated with obesity. NeuroImage, 2016, 125, 36-44.	4.2	106
141	Quantitative and functional pulsed arterial spin labeling in the human brain at 9.4â€‰t. Magnetic Resonance in Medicine, 2016, 75, 1054-1063.	3.0	23
142	Task-Related Edge Density (TED)â€”A New Method for Revealing Dynamic Network Formation in fMRI Data of the Human Brain. PLoS ONE, 2016, 11, e0158185.	2.5	10
143	Chapter 5 Responsive Probes for. , 2016, , 141-170.		0
144	Ultrashort-TE stimulated echo acquisition mode (STEAM) improves the quantification of lipids and fatty acid chain unsaturation in the human liver at 7â€‰T. NMR in Biomedicine, 2015, 28, 1283-1293.	2.8	27

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145	Simultaneous acquisition of image and navigator slices using CAIPIRINHA for 4D MRI. Magnetic Resonance in Medicine, 2015, 73, 669-676.	3.0	23
146	Efficient generation of T2*-weighted contrast by interslice echo-shifting for human functional and anatomical imaging at 9.4 Tesla. Magnetic Resonance in Medicine, 2015, 74, 1698-1704.	3.0	10
147	Highâ€resolution quantitative sodium imaging at 9.4 tesla. Magnetic Resonance in Medicine, 2015, 73, 342-351.	3.0	43
148	Orbitofrontal response to drug-related stimuli after heroin administration. Addiction Biology, 2015, 20, 570-579.	2.6	32
149	Single-channel, box-shaped, monopole-type antenna for B1+ field manipulation in conjunction with the traveling-wave concept in 9.4ÂT MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 357-362.	2.0	1
150	In vivo proton magnetic resonance spectroscopic imaging of the healthy human brain at 9.4ÂT: initial experience. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 239-249.	2.0	9
151	Differences Between MEG and High-Density EEG Source Localizations Using a Distributed Source Model in Comparison to fMRI. Brain Topography, 2015, 28, 87-94.	1.8	55
152	Selective Insulin Resistance in Homeostatic and Cognitive Control Brain Areas in Overweight and Obese Adults. Diabetes Care, 2015, 38, 1044-1050.	8.6	126
153	Fighting <scp>S</scp>leep at <scp>N</scp>ight: <scp>B</scp>rain <scp>C</scp>orrelates and <scp>V</scp>ulnerability to <scp>S</scp>leep <scp>L</scp>oss. Annals of Neurology, 2015, 78, 235-247.	5.3	14
154	Three distinct fiber pathways of the bed nucleus of the stria terminalis to the amygdala and prefrontal cortex. Cortex, 2015, 66, 60-68.	2.4	71
155	Face-n-Food: Gender Differences in Tuning to Faces. PLoS ONE, 2015, 10, e0130363.	2.5	37
156	Frequency reconfigurable box shaped narrow band monopole antenna. , 2014, , .		1
157	Real-time method for motion-compensated MR thermometry and MRgHIFU treatment in abdominal organs. Magnetic Resonance in Medicine, 2014, 72, 1087-1095.	3.0	41
158	Cardiovascular magnetization transfer ratio imaging compared with histology: A postmortem study. Journal of Magnetic Resonance Imaging, 2014, 40, spcone-spcone.	3.4	0
159	Triple-echo steady-stateT₂relaxometry of the human brain at high to ultra-high fields. NMR in Biomedicine, 2014, 27, 1037-1045.	2.8	21
160	Waterâ€selective excitation of short T₂ species with binomial pulses. Magnetic Resonance in Medicine, 2014, 72, 800-805.	3.0	9
161	Multicenter Study of Subjective Acceptance During Magnetic Resonance Imaging at 7 and 9.4 T. Investigative Radiology, 2014, 49, 249-259.	6.2	42
162	Functional MRI in human subjects with gradientâ€echo and spinâ€echo EPI at 9.4 T. Magnetic Resonance in Medicine, 2014, 71, 209-218.	3.0	57

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163	Numerical and experimental evaluation of RF shimming in the human brain at 9.4ÂT using a dual-row transmit array. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 373-386.	2.0	41
164	In vivo visualization of cells labeled with superparamagnetic iron oxides by a sub-millisecond gradient echo sequence. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 329-337.	2.0	6
165	Field of view extension and truncation correction for MRâ€based human attenuation correction in simultaneous MR/PET imaging. Medical Physics, 2014, 41, 022303.	3.0	45
166	Correlation bundle statistics in fMRI data. , 2014, , .		0
167	Cardiovascular magnetization transfer ratio imaging compared with histology: A postmortem study. Journal of Magnetic Resonance Imaging, 2014, 40, 915-919.	3.4	6
168	Functional quantitative susceptibility mapping (fQSM). NeuroImage, 2014, 100, 112-124.	4.2	76
169	Ultra-high resolution imaging of the human brain using acquisition-weighted imaging at 9.4T. NeuroImage, 2014, 86, 592-598.	4.2	42
170	A 16â€channel dualâ€row transmit array in combination with a 31â€element receive array for human brain imaging at 9.4 T. Magnetic Resonance in Medicine, 2014, 71, 870-879.	3.0	162
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