

John C Gore

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280
papers

20,025
citations

68
h-index

135
g-index

292
ext. papers

22,329
ext. citations

5.4
avg, IF

6.65
L-index

#	Paper	IF	Citations
280	Dynamic variations of resting-state BOLD signal spectra in white matter.. <i>NeuroImage</i> , 2022 , 250, 118972-9	7.9	1
279	Graph Theory Analysis Identified Two Hubs that Connect Sensorimotor and Cognitive and Cortical and Subcortical Nociceptive Networks in the Non-human Primate.. <i>NeuroImage</i> , 2022 , 119244	7.9	1
278	mGlu potentiation enhances prelimbic somatostatin interneuron activity to rescue schizophrenia-like physiological and cognitive deficits. <i>Cell Reports</i> , 2021 , 37, 109950	10.6	5
277	Correlated functional connectivity and glucose metabolism in brain white matter revealed by simultaneous MRI/positron emission tomography. <i>Magnetic Resonance in Medicine</i> , 2021 ,	4.4	3
276	Design and construction of an interchangeable RF coil system for rodent spinal cord MR imaging at 9.4T. <i>Magnetic Resonance Imaging</i> , 2021 , 84, 124-131	3.3	
275	Power spectra reveal distinct BOLD resting-state time courses in white matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
274	Bidirectional and state-dependent modulation of brain activity by transcranial focused ultrasound in non-human primates. <i>Brain Stimulation</i> , 2021 , 14, 261-272	5.1	12
273	Clinical and experimental approaches for imaging of acute kidney injury. <i>Clinical and Experimental Nephrology</i> , 2021 , 25, 685-699	2.5	1
272	Renal tubular dilation and fibrosis after unilateral ureter obstruction revealed by relaxometry and spin-lock exchange MRI. <i>NMR in Biomedicine</i> , 2021 , 34, e4539	4.4	2
271	Optimization of a quadrature birdcage coil for functional imaging of squirrel monkey brain at 9.4T. <i>Magnetic Resonance Imaging</i> , 2021 , 79, 45-51	3.3	1
270	Lower functional connectivity of white matter during rest and working memory tasks is associated with cognitive impairments in schizophrenia. <i>Schizophrenia Research</i> , 2021 , 233, 101-110	3.6	3
269	Characterizing Intracranial Hemodynamics in Sickle Cell Anemia: Impact of Patient-Specific Viscosity. <i>Cardiovascular Engineering and Technology</i> , 2021 , 1	2.2	
268	Hybrid-pair ratio adjustable power splitters for add-on RF shimming and array-compressed parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 3382-3390	4.4	1
267	Multi-shot acquisitions for stimulus-evoked spinal cord BOLD fMRI. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2016-2026	4.4	1
266	MR cell size imaging with temporal diffusion spectroscopy. <i>Magnetic Resonance Imaging</i> , 2021 , 77, 109-123	3.3	3
265	A simple estimate of axon size with diffusion MRI. <i>NeuroImage</i> , 2021 , 227, 117619	7.9	5
264	MRI-cytometry: Mapping nonparametric cell size distributions using diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 748-761	4.4	6

263	Sensitivity and specificity of CEST and NOE MRI in injured spinal cord in monkeys. <i>NeuroImage: Clinical</i> , 2021 , 30, 102633	5.3	0
262	Functional networks in non-human primate spinal cord and the effects of injury. <i>NeuroImage</i> , 2021 , 240, 118391	7.9	0
261	Tissue characterization using R dispersion imaging at low locking fields. <i>Magnetic Resonance Imaging</i> , 2021 , 84, 1-11	3.3	0
260	Spin-lock relaxation rate dispersion reveals spatiotemporal changes associated with tubulointerstitial fibrosis in murine kidney. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 2074-2087	4.4	3
259	Functional engagement of white matter in resting-state brain networks. <i>NeuroImage</i> , 2020 , 220, 117096	7.9	14
258	MRI of tumor T cell infiltration in response to checkpoint inhibitor therapy 2020 , 8,		10
257	Optimization of a transmit/receive surface coil for squirrel monkey spinal cord imaging. <i>Magnetic Resonance Imaging</i> , 2020 , 68, 197-202	3.3	2
256	Longitudinal assessment of recovery after spinal cord injury with behavioral measures and diffusion, quantitative magnetization transfer and functional magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2020 , 33, e4216	4.4	8
255	Mapping hepatocyte size in vivo using temporal diffusion spectroscopy MRI. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 2671-2683	4.4	6
254	Concomitant modulation of BOLD responses in white matter pathways and cortex. <i>NeuroImage</i> , 2020 , 216, 116791	7.9	9
253	Functional connectivity of white matter as a biomarker of cognitive decline in Alzheimer's disease. <i>PLoS ONE</i> , 2020 , 15, e0240513	3.7	9
252	Mesoscale Microcircuits Within and Across Primate Somatosensory Areas Identified With Functional MRI 2020 , 279-287		
251	Designing parallel transmit head coil arrays based on radiofrequency pulse performance. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 2331-2342	4.4	4
250	Spin-lock imaging of intrinsic susceptibility gradients in tumors. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 1587-1595	4.4	2
249	Magnetic resonance imaging of mean cell size in human breast tumors. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 2002-2014	4.4	20
248	Hemodynamic Response Function in Brain White Matter in a Resting State. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa056	1.9	6
247	Identification of White Matter Networks Engaged in Object (Face) Recognition Showing Differential Responses to Modulated Stimulus Strength. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa067	1.9	3
246	Detection of functional networks within white matter using independent component analysis. <i>NeuroImage</i> , 2020 , 222, 117278	7.9	1

245	Over-overlapped loop arrays: A numerical study. <i>Magnetic Resonance Imaging</i> , 2020 , 72, 135-142	3.3	1
244	Rapid whole-brain quantitative magnetization transfer imaging using 3D selective inversion recovery sequences. <i>Magnetic Resonance Imaging</i> , 2020 , 68, 66-74	3.3	5
243	Spatiotemporal trajectories of quantitative magnetization transfer measurements in injured spinal cord using simplified acquisitions. <i>NeuroImage: Clinical</i> , 2019 , 23, 101921	5.3	5
242	Low-rank plus sparse compressed sensing for accelerated proton resonance frequency shift MR temperature imaging. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 3555-3566	4.4	2
241	On the Relationship between MRI and Local Field Potential Measurements of Spatial and Temporal Variations in Functional Connectivity. <i>Scientific Reports</i> , 2019 , 9, 8871	4.9	8
240	Quantitative temporal diffusion spectroscopy as an early imaging biomarker of radiation therapeutic response in gliomas: A preclinical proof of concept. <i>Advances in Radiation Oncology</i> , 2019 , 4, 367-376	3.3	10
239	Characterization of the hemodynamic response function in white matter tracts for event-related fMRI. <i>Nature Communications</i> , 2019 , 10, 1140	17.4	50
238	Intrinsic functional architecture of the non-human primate spinal cord derived from fMRI and electrophysiology. <i>Nature Communications</i> , 2019 , 10, 1416	17.4	11
237	Noninvasive quantitative magnetization transfer MRI reveals tubulointerstitial fibrosis in murine kidney. <i>NMR in Biomedicine</i> , 2019 , 32, e4128	4.4	8
236	Functional MRI and resting state connectivity in white matter - a mini-review. <i>Magnetic Resonance Imaging</i> , 2019 , 63, 1-11	3.3	31
235	In vivo magnetic resonance imaging of treatment-induced apoptosis. <i>Scientific Reports</i> , 2019 , 9, 9540	4.9	12
234	Functional tractography of white matter by high angular resolution functional-correlation imaging (HARFI). <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 2011-2024	4.4	13
233	Resting-state white matter-cortical connectivity in non-human primate brain. <i>NeuroImage</i> , 2019 , 184, 45-55	7.9	15
232	Functional connectivity with cortical depth assessed by resting state fMRI of subregions of S1 in squirrel monkeys. <i>Human Brain Mapping</i> , 2019 , 40, 329-339	5.9	6
231	Selective Inversion Recovery Quantitative Magnetization Transfer Brain MRI at 7T: Clinical and Postmortem Validation in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018 , 28, 380-388	2.8	10
230	Optimization of selective inversion recovery magnetization transfer imaging for macromolecular content mapping in the human brain. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 1824-1835	4.4	14
229	Multiple sclerosis lesions affect intrinsic functional connectivity of the spinal cord. <i>Brain</i> , 2018 , 141, 1650-1664	11.64	25
228	Detection of synchronous brain activity in white matter tracts at rest and under functional loading. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 595-600	11.5	99

227	Integrated molecular imaging reveals tissue heterogeneity driving host-pathogen interactions. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	39
226	Spinal cord MRI at 7T. <i>NeuroImage</i> , 2018 , 168, 437-451	7.9	35
225	Translocator Protein PET Imaging in a Preclinical Prostate Cancer Model. <i>Molecular Imaging and Biology</i> , 2018 , 20, 200-204	3.8	10
224	Resting-state functional connectivity in the rat cervical spinal cord at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2773-2783	4.4	12
223	Voxel-wise detection of functional networks in white matter. <i>NeuroImage</i> , 2018 , 183, 544-552	7.9	28
222	A practical protocol for measurements of spinal cord functional connectivity. <i>Scientific Reports</i> , 2018 , 8, 16512	4.9	10
221	Neuromodulation of sensory networks in monkey brain by focused ultrasound with MRI guidance and detection. <i>Scientific Reports</i> , 2018 , 8, 7993	4.9	43
220	Relating structural and functional brainstem connectivity to disease measures in epilepsy. <i>Neurology</i> , 2018 , 91, e67-e77	6.5	34
219	A comparative assessment of preclinical chemotherapeutic response of tumors using quantitative non-Gaussian diffusion MRI. <i>Magnetic Resonance Imaging</i> , 2017 , 37, 195-202	3.3	7
218	Chemical exchange saturation transfer imaging: Advances and applications by Michael T. McMahon, Assaf A. Gild, Jeff W. M. Bulte, and Peter C.M. van Zijl Publisher: Pan Stanford Publishing Pte. Ltd., Singapore. <i>Magnetic Resonance Imaging</i> , 2017 , 38, 233-233	3.3	5
217	New resonator geometries for ICE decoupling of loop arrays. <i>Journal of Magnetic Resonance</i> , 2017 , 277, 59-67	3	9
216	Ultra-high-field (7.0 Tesla and above) MRI is now necessary to make the next step forward in understanding MS pathophysiology - YES. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 372-373	5	1
215	Functional connectivity and activity of white matter in somatosensory pathways under tactile stimulations. <i>NeuroImage</i> , 2017 , 152, 371-380	7.9	38
214	Biophysical and neural basis of resting state functional connectivity: Evidence from non-human primates. <i>Magnetic Resonance Imaging</i> , 2017 , 39, 71-81	3.3	20
213	Improved traveling-wave efficiency in 7T human MRI using passive local loop and dipole arrays. <i>Magnetic Resonance Imaging</i> , 2017 , 39, 103-109	3.3	6
212	High spatial correspondence at a columnar level between activation and resting state fMRI signals and local field potentials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5253-5258	11.5	20
211	Measurement of APT using a combined CERT-AREX approach with varying duty cycles. <i>Magnetic Resonance Imaging</i> , 2017 , 42, 22-31	3.3	7
210	Functional connectivity disturbances of the ascending reticular activating system in temporal lobe epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017 , 88, 925-932	5.5	42

209	Evaluation and comparison of diffusion MR methods for measuring apparent transcytolemmal water exchange rate constant. <i>Journal of Magnetic Resonance</i> , 2017 , 275, 29-37	3	15
208	"Molecular" MR imaging at high fields. <i>Magnetic Resonance Imaging</i> , 2017 , 38, 95-100	3-3	6
207	Evaluation of a novel fluorescent nanobeacon for targeted imaging of Thomsen-Friedenreich associated colorectal cancer. <i>International Journal of Nanomedicine</i> , 2017 , 12, 1747-1755	7-3	5
206	R dispersion and sodium imaging in human calf muscle. <i>Magnetic Resonance Imaging</i> , 2017 , 42, 139-143	3-3	4
205	Sex differences in sodium deposition in human muscle and skin. <i>Magnetic Resonance Imaging</i> , 2017 , 36, 93-97	3-3	29
204	In vivo imaging of cancer cell size and cellularity using temporal diffusion spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 156-164	4-4	45
203	Impact of transcytolemmal water exchange on estimates of tissue microstructural properties derived from diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 2239-2249	4-4	27
202	The Impact of Alzheimer's Disease on the Resting State Functional Connectivity of Brain Regions Modulating Pain: A Cross Sectional Study. <i>Journal of Alzheimer's Disease</i> , 2017 , 57, 71-83	4-3	24
201	Influence of water compartmentation and heterogeneous relaxation on quantitative magnetization transfer imaging in rodent brain tumors. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 635-44	4-4	11
200	Magnetic resonance imaging of the cervical spinal cord in multiple sclerosis at 7T. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 320-8	5	38
199	Effects of anesthesia on resting state BOLD signals in white matter of non-human primates. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 1235-1241	3-3	22
198	A 3D high resolution white matter atlas of the common squirrel monkey () based on diffusion tensor imaging. <i>Proceedings of SPIE</i> , 2016 , 9784,	1-7	8
197	New insights into rotating frame relaxation at high field. <i>NMR in Biomedicine</i> , 2016 , 29, 1258-73	4-4	22
196	Reproducibility of resting state spinal cord networks in healthy volunteers at 7 Tesla. <i>NeuroImage</i> , 2016 , 133, 31-40	7-9	36
195	Fat-water MRI of a diet-induced obesity mouse model at 15.2T. <i>Journal of Medical Imaging</i> , 2016 , 3, 026008	0-8	1
194	Visualizing functional pathways in the human brain using correlation tensors and magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 8-17	3-3	52
193	High Throughput Screening for Colorectal Cancer Specific Compounds. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016 , 19, 180-8	1-3	1
192	Realistic models of apparent dynamic changes in resting-state connectivity in somatosensory cortex. <i>Human Brain Mapping</i> , 2016 , 37, 3897-3910	5-9	11

191	Quantification of cell size using temporal diffusion spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1076-85	4.4	47
190	Time-Dependent Influence of Cell Membrane Permeability on MR Diffusion Measurements. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1927-34	4.4	30
189	Fast and simplified mapping of mean axon diameter using temporal diffusion spectroscopy. <i>NMR in Biomedicine</i> , 2016 , 29, 400-10	4.4	17
188	Correlated inter-regional variations in low frequency local field potentials and resting state BOLD signals within S1 cortex of monkeys. <i>Human Brain Mapping</i> , 2016 , 37, 2755-66	5.9	16
187	Effects of isoflurane anesthesia on resting-state fMRI signals and functional connectivity within primary somatosensory cortex of monkeys. <i>Brain and Behavior</i> , 2016 , 6, e00591	3.4	30
186	A new NOE-mediated MT signal at around -1.6ppm for detecting ischemic stroke in rat brain. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 1100-6	3.3	54
185	Early Detection of Treatment-Induced Mitotic Arrest Using Temporal Diffusion Magnetic Resonance Spectroscopy. <i>Neoplasia</i> , 2016 , 18, 387-97	6.4	12
184	Optimizing the ICE decoupling element distance to improve monopole antenna arrays for 7 Tesla MRI. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 1264-1268	3.3	2
183	Increased hippocampal blood volume and normal blood flow in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2015 , 232, 219-25	2.9	28
182	Injury alters intrinsic functional connectivity within the primate spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5991-6	11.5	48
181	Structural information revealed by the dispersion of ADC with frequency. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 1083-1090	3.3	8
180	Functional brain imaging in survivors of critical illness: A prospective feasibility study and exploration of the association between delirium and brain activation patterns. <i>Journal of Critical Care</i> , 2015 , 30, 653.e1-7	4	11
179	Chemical exchange in knee cartilage assessed by R1[(1/T1)]dispersion at 3T. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 38-42	3.3	21
178	Inhalable curcumin: offering the potential for translation to imaging and treatment of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 283-95	4.3	36
177	Sex differences in psychophysical and neurophysiological responses to pain in older adults: a cross-sectional study. <i>Biology of Sex Differences</i> , 2015 , 6, 25	9.3	27
176	Detection of microcalcifications by characteristic magnetic susceptibility effects using MR phase image cross-correlation analysis. <i>Medical Physics</i> , 2015 , 42, 1436-52	4.4	8
175	Toxicity studies of coumarin 6-encapsulated polystyrene nanospheres conjugated with peanut agglutinin and poly(N-vinylacetamide) as a colonoscopic imaging agent in rats. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1227-36	6	7
174	Detection of breast cancer microcalcification using (99m)Tc-MDP SPECT or Osteosense 750EX FMT imaging. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 269-73	2.1	6

173	Iron-Loaded Magnetic Nanocapsules for pH-Triggered Drug Release and MRI Imaging. <i>Chemistry of Materials</i> , 2014 , 26, 2105-2112	9.6	71
172	Effects of diffusion in magnetically inhomogeneous media on rotating frame spin-lattice relaxation. <i>Journal of Magnetic Resonance</i> , 2014 , 249, 80-87	3	9
171	Functional connectivity-based parcellation of amygdala using self-organized mapping: a data driven approach. <i>Human Brain Mapping</i> , 2014 , 35, 1247-60	5.9	41
170	Mapping mean axon diameter and axonal volume fraction by MRI using temporal diffusion spectroscopy. <i>NeuroImage</i> , 2014 , 103, 10-19	7.9	91
169	An Approach to Breast Cancer Diagnosis via PET Imaging of Microcalcifications Using (18)F-NaF. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1138-43	8.9	19
168	Robust expertise effects in right FFA. <i>Neuropsychologia</i> , 2014 , 63, 135-44	3.2	43
167	Increased hippocampal CA1 cerebral blood volume in schizophrenia. <i>NeuroImage: Clinical</i> , 2014 , 5, 359-64	3.3	58
166	Antipsychotic drug-like effects of the selective M4 muscarinic acetylcholine receptor positive allosteric modulator VU0152100. <i>Neuropsychopharmacology</i> , 2014 , 39, 1578-93	8.7	81
165	Longitudinal assessment of mouse renal injury using high-resolution anatomic and magnetization transfer MR imaging. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 1125-32	3.3	18
164	Measurement of regional cerebral glucose uptake by magnetic resonance spin-lock imaging. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 1078-84	3.3	31
163	Exchange-mediated contrast in CEST and spin-lock imaging. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 28-40	3.3	23
162	Functional MRI using spin lock editing preparation pulses. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 813-8	3.3	8
161	Co-registration of multi-modality imaging allows for comprehensive analysis of tumor-induced bone disease. <i>Bone</i> , 2014 , 61, 208-16	4.7	22
160	Ultra-High Field Spinal Cord Imaging 2014 , 106-119		2
159	Dispersion of relaxation rates in the rotating frame under the action of spin-locking pulses and diffusion in inhomogeneous magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 1906-11	4.4	13
158	Proximal nerve magnetization transfer MRI relates to disability in Charcot-Marie-Tooth diseases. <i>Neurology</i> , 2014 , 83, 1545-53	6.5	33
157	Enhanced phase regression with Savitzky-Golay filtering for high-resolution BOLD fMRI. <i>Human Brain Mapping</i> , 2014 , 35, 3832-40	5.9	3
156	On the origins of chemical exchange saturation transfer (CEST) contrast in tumors at 9.4 T. <i>NMR in Biomedicine</i> , 2014 , 27, 406-16	4.4	109

155	Resting state functional connectivity of the hippocampus associated with neurocognitive function in left temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2014 , 35, 735-44	5.9	57
154	Distinct fine-scale fMRI activation patterns of contra- and ipsilateral somatosensory areas 3b and 1 in humans. <i>Human Brain Mapping</i> , 2014 , 35, 4841-57	5.9	26
153	Fast and robust measurement of microstructural dimensions using temporal diffusion spectroscopy. <i>Journal of Magnetic Resonance</i> , 2014 , 242, 4-9	3	33
152	The effect of echo time and post-processing procedure on blood oxygenation level-dependent (BOLD) functional connectivity analysis. <i>NeuroImage</i> , 2014 , 95, 39-47	7.9	5
151	An efficient computational approach to characterize DSC-MRI signals arising from three-dimensional heterogeneous tissue structures. <i>PLoS ONE</i> , 2014 , 9, e84764	3.7	18
150	Detection of a novel mechanism of acousto-optic modulation of incoherent light. <i>PLoS ONE</i> , 2014 , 9, e104268	3.7	11
149	Resting state functional connectivity in the human spinal cord. <i>ELife</i> , 2014 , 3, e02812	8.9	66
148	Contributions of chemical and diffusive exchange to T1 ρ dispersion. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 1357-66	4.4	23
147	A novel reporter system for molecular imaging and high-throughput screening of anticancer drugs. <i>ChemBioChem</i> , 2013 , 14, 1494-503	3.8	6
146	Functional networks in temporal-lobe epilepsy: a voxel-wise study of resting-state functional connectivity and gray-matter concentration. <i>Brain Connectivity</i> , 2013 , 3, 22-30	2.7	29
145	The relationship of anatomical and functional connectivity to resting-state connectivity in primate somatosensory cortex. <i>Neuron</i> , 2013 , 78, 1116-26	13.9	144
144	Improved encoding pulses for Bloch-Siegert B1(+) mapping. <i>Journal of Magnetic Resonance</i> , 2013 , 226, 79-87	3	12
143	Measuring relative timings of brain activities using fMRI. <i>NeuroImage</i> , 2013 , 66, 436-48	7.9	23
142	Spatio-temporal correlation tensors reveal functional structure in human brain. <i>PLoS ONE</i> , 2013 , 8, e82107	9.7	67
141	Lateralization of temporal lobe epilepsy using resting functional magnetic resonance imaging connectivity of hippocampal networks. <i>Epilepsia</i> , 2012 , 53, 1628-35	6.4	61
140	Magnetic and optical properties of multifunctional core-shell radioluminescence nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12802-12809		64
139	Monitoring the inflammatory response to infection through the integration of MALDI IMS and MRI. <i>Cell Host and Microbe</i> , 2012 , 11, 664-73	23.4	62
138	Improving measurement of functional connectivity through decreasing partial volume effects at 7 T. <i>NeuroImage</i> , 2012 , 59, 2511-7	7.9	30

137	High relaxivity MRI imaging reagents from bimodal star polymers. <i>Polymer Chemistry</i> , 2012 , 3, 390-398	4.9	44
136	Characterizing tumor response to chemotherapy at various length scales using temporal diffusion spectroscopy. <i>PLoS ONE</i> , 2012 , 7, e41714	3.7	36
135	Differentiation of somatosensory cortices by high-resolution fMRI at 7 T. <i>NeuroImage</i> , 2011 , 54, 1012-207.9		68
134	Cross hippocampal influence in mesial temporal lobe epilepsy measured with high temporal resolution functional magnetic resonance imaging. <i>Epilepsia</i> , 2011 , 52, 1741-9	6.4	78
133	Fine-scale functional connectivity in somatosensory cortex revealed by high-resolution fMRI. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 1330-7	3.3	17
132	On the relationship between the apparent diffusion coefficient and extravascular extracellular volume fraction in human breast cancer. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 630-8	3.3	30
131	Effects of intracellular organelles on the apparent diffusion coefficient of water molecules in cultured human embryonic kidney cells. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 796-801	4.4	24
130	Influence of cell cycle phase on apparent diffusion coefficient in synchronized cells detected using temporal diffusion spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 920-6	4.4	29
129	Contributions of chemical exchange to T1 dispersion in a tissue model. <i>Magnetic Resonance in Medicine</i> , 2011 , 66, 1563-71	4.4	29
128	Modulation of steady state functional connectivity in the default mode and working memory networks by cognitive load. <i>Human Brain Mapping</i> , 2011 , 32, 1649-59	5.9	83
127	Dependence of temporal diffusion spectra on microstructural properties of biological tissues. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 380-90	3.3	36
126	Earlier detection of tumor treatment response using magnetic resonance diffusion imaging with oscillating gradients. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 315-23	3.3	37
125	Dynamic B0 shimming at 7 T. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 483-96	3.3	40
124	Magnetic resonance in the era of molecular imaging of cancer. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 587-600	3.3	76
123	Software compensation of eddy current fields in multislice high order dynamic shimming. <i>Journal of Magnetic Resonance</i> , 2011 , 210, 218-27	3	7
122	Analyzing fMRI data with graph-based visualizations of self-organizing maps 2011 ,		2
121	Changes in dietary iron exacerbate regional brain manganese accumulation as determined by magnetic resonance imaging. <i>Toxicological Sciences</i> , 2011 , 120, 146-53	4.4	77
120	Methods for fine scale functional imaging of tactile motion in human and nonhuman primates. <i>Open Neuroimaging Journal</i> , 2011 , 5, 160-71	0.1	3

119	Chronic exposure to manganese alters brain responses to amphetamine: a pharmacological magnetic resonance imaging study. <i>Toxicological Sciences</i> , 2010 , 114, 310-22	4.4	7
118	Characterization of tissue structure at varying length scales using temporal diffusion spectroscopy. <i>NMR in Biomedicine</i> , 2010 , 23, 745-56	4.4	111
117	Functional MRI and multivariate autoregressive models. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 1058-65	3.3	45
116	Functional epileptic network in left mesial temporal lobe epilepsy detected using resting fMRI. <i>Epilepsy Research</i> , 2010 , 88, 168-78	3	45
115	Molecular imaging without radiopharmaceuticals?. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 999-1007	8.9	23
114	Detection of irregular, transient fMRI activity in normal controls using 2dTCA: comparison to event-related analysis using known timing. <i>Human Brain Mapping</i> , 2009 , 30, 3393-405	5.9	6
113	Sensitivity of MR diffusion measurements to variations in intracellular structure: effects of nuclear size. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 828-33	4.4	78
112	A model for the analysis of competitive relaxation effects of manganese and iron in vivo. <i>NMR in Biomedicine</i> , 2009 , 22, 391-404	4.4	25
111	Quantitative characterization of tissue microstructure with temporal diffusion spectroscopy. <i>Journal of Magnetic Resonance</i> , 2009 , 200, 189-97	3	49
110	Dynamic Contrast Enhanced Magnetic Resonance Imaging in Oncology: Theory, Data Acquisition, Analysis, and Examples. <i>Current Medical Imaging</i> , 2009 , 3, 91-107	1.2	273
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