

# John C Gore

## List of Publications by Year in descending order

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282  
papers

24,310  
citations

10388

72  
h-index

8864

145  
g-index

292  
all docs

292  
docs citations

292  
times ranked

20285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex differences in the functional organization of the brain for language. <i>Nature</i> , 1995, 373, 607-609.	27.8	1,332
2	Expertise for cars and birds recruits brain areas involved in face recognition. <i>Nature Neuroscience</i> , 2000, 3, 191-197.	14.8	1,283
3	Activation of the middle fusiform 'face area' increases with expertise in recognizing novel objects. <i>Nature Neuroscience</i> , 1999, 2, 568-573.	14.8	1,049
4	Disruption of posterior brain systems for reading in children with developmental dyslexia. <i>Biological Psychiatry</i> , 2002, 52, 101-110.	1.3	860
5	Abnormal Ventral Temporal Cortical Activity During Face Discrimination Among Individuals With Autism and Asperger Syndrome. <i>Archives of General Psychiatry</i> , 2000, 57, 331.	12.3	852
6	Performance on Indirect Measures of Race Evaluation Predicts Amygdala Activation. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 729-738.	2.3	831
7	Activation of the left amygdala to a cognitive representation of fear. <i>Nature Neuroscience</i> , 2001, 4, 437-441.	14.8	791
8	Brain Connectivity Related to Working Memory Performance. <i>Journal of Neuroscience</i> , 2006, 26, 13338-13343.	3.6	780
9	The Fusiform 'Face Area' is Part of a Network that Processes Faces at the Individual Level. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 495-504.	2.3	775
10	Detection of functional connectivity using temporal correlations in MR images. <i>Human Brain Mapping</i> , 2002, 15, 247-262.	3.6	613
11	Intravascular susceptibility contrast mechanisms in tissues. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 9-21.	3.0	502
12	Theoretical Model for Water Diffusion in Tissues. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 697-712.	3.0	481
13	Analysis and correction of motion artifacts in diffusion weighted imaging. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 379-387.	3.0	382
14	Assessing functional connectivity in the human brain by fMRI. <i>Magnetic Resonance Imaging</i> , 2007, 25, 1347-1357.	1.8	379
15	The Angular Gyrus in Developmental Dyslexia: Task-Specific Differences in Functional Connectivity Within Posterior Cortex. <i>Psychological Science</i> , 2000, 11, 51-56.	3.3	342
16	Dynamic Contrast Enhanced Magnetic Resonance Imaging in Oncology: Theory, Data Acquisition, Analysis, and Examples. <i>Current Medical Imaging</i> , 2007, 3, 91-107.	0.8	325
17	Integration of quantitative DCE-MRI and ADC mapping to monitor treatment response in human breast cancer: initial results. <i>Magnetic Resonance Imaging</i> , 2007, 25, 1-13.	1.8	291
18	The Loss of Small Objects in Variable TE Imaging: Implications for FSE, RARE, and EPI. <i>Magnetic Resonance in Medicine</i> , 1992, 28, 9-24.	3.0	232

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19	Event-related fMRI of auditory and visual oddball tasks. <i>Magnetic Resonance Imaging</i> , 2000, 18, 495-502.	1.8	206
20	Oscillating gradient measurements of water diffusion in normal and globally ischemic rat brain. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 206-215.	3.0	198
21	Dissociation of mnemonic and perceptual processes during spatial and nonspatial working memory using fMRI. <i>Human Brain Mapping</i> , 1998, 6, 14-32.	3.6	187
22	The Relationship of Anatomical and Functional Connectivity to Resting-State Connectivity in Primate Somatosensory Cortex. <i>Neuron</i> , 2013, 78, 1116-1126.	8.1	184
23	Cortical Dysfunction in Schizophrenia During Auditory Word and Tone Working Memory Demonstrated by Functional Magnetic Resonance Imaging. <i>Archives of General Psychiatry</i> , 1998, 55, 1097.	12.3	179
24	Neonatal auditory activation detected by functional magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2001, 19, 1-5.	1.8	172
25	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.	7.1	170
26	Connectivityâ€behavior analysis reveals that functional connectivity between left BA39 and Broca's area varies with reading ability. <i>NeuroImage</i> , 2006, 31, 513-519.	4.2	166
27	Measurements of the Temporal fMRI Response of the Human Auditory Cortex to Trains of Tones. <i>NeuroImage</i> , 1998, 7, 185-198.	4.2	160
28	Preliminary Evidence of Improved Verbal Working Memory Performance and Normalization of Task-Related Frontal Lobe Activation in Schizophrenia Following Cognitive Exercises. <i>American Journal of Psychiatry</i> , 2000, 157, 1694-1697.	7.2	160
29	Functional MRI studies of auditory comprehension. , 1998, 6, 1-13.		158
30	Measurement of the point spread function in MRI using constant time imaging. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 733-740.	3.0	142
31	Correlations and dissociations between BOLD signal and P300 amplitude in an auditory oddball task: a parametric approach to combining fMRI and ERP. <i>Magnetic Resonance Imaging</i> , 2002, 20, 319-325.	1.8	142
32	Diffusion-weighted imaging in tissues: Theoretical models. <i>NMR in Biomedicine</i> , 1995, 8, 289-296.	2.8	137
33	On the origins of chemical exchange saturation transfer (CEST) contrast in tumors at 9.4â€T. <i>NMR in Biomedicine</i> , 2014, 27, 406-416.	2.8	133
34	Characterization of tissue structure at varying length scales using temporal diffusion spectroscopy. <i>NMR in Biomedicine</i> , 2010, 23, 745-756.	2.8	131
35	Parametric design and correlational analyses help integrating fMRI and electrophysiological data during face processing. <i>NeuroImage</i> , 2004, 22, 1587-1595.	4.2	128
36	Brain morphology in normal and dyslexic children: The influence of sex and age. <i>Annals of Neurology</i> , 1994, 35, 732-742.	5.3	127

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37	Hypoinsulinemia Regulates Amphetamine-Induced Reverse Transport of Dopamine. PLoS Biology, 2007, 5, e274.	5.6	117
38	Physiological basis for BOLD MR signal changes due to neuronal stimulation: Separation of blood volume and magnetic susceptibility effects. Magnetic Resonance in Medicine, 1998, 40, 840-846.	3.0	115
39	Principles and practice of functional MRI of the human brain. Journal of Clinical Investigation, 2003, 112, 4-9.	8.2	113
40	Mapping mean axon diameter and axonal volume fraction by MRI using temporal diffusion spectroscopy. NeuroImage, 2014, 103, 10-19.	4.2	109
41	Artificial intelligence in medical imaging. Magnetic Resonance Imaging, 2020, 68, A1-A4.	1.8	106
42	Quantitative imaging of magnetization transfer using an inversion recovery sequence. Magnetic Resonance in Medicine, 2003, 49, 501-505.	3.0	105
43	Changes in functional connectivity of human MT/V5 with visual motion input. NeuroReport, 2004, 15, 1315-1319.	1.2	105
44	Effects of osmotically driven cell volume changes on diffusion-weighted imaging of the rat optic nerve. Magnetic Resonance in Medicine, 1996, 35, 162-167.	3.0	104
45	Functional MRI and resting state connectivity in white matter - a mini-review. Magnetic Resonance Imaging, 2019, 63, 1-11.	1.8	104
46	Cerebral Vascular Malformations Adjacent to Sensorimotor and Visual Cortex. Stroke, 1997, 28, 1130-1137.	2.0	103
47	Spatio-Temporal Correlation Tensors Reveal Functional Structure in Human Brain. PLoS ONE, 2013, 8, e82107.	2.5	101
48	Functional MR Imaging of Regional Brain Activation Associated with the Affective Experience of Pain. American Journal of Roentgenology, 2001, 177, 1205-1210.	2.2	97
49	Resting state functional connectivity in the human spinal cord. ELife, 2014, 3, e02812.	6.0	97
50	Simultaneous Recording of Event-Related Auditory Oddball Response Using Transcranial Near Infrared Optical Topography and Surface EEG. NeuroImage, 2002, 16, 587-592.	4.2	94
51	Characterization of the hemodynamic response function in white matter tracts for event-related fMRI. Nature Communications, 2019, 10, 1140.	12.8	94
52	Changes in Dietary Iron Exacerbate Regional Brain Manganese Accumulation as Determined by Magnetic Resonance Imaging. Toxicological Sciences, 2011, 120, 146-153.	3.1	93
53	Cross hippocampal influence in mesial temporal lobe epilepsy measured with high temporal resolution functional magnetic resonance imaging. Epilepsia, 2011, 52, 1741-1749.	5.1	92
54	Modulation of steady state functional connectivity in the default mode and working memory networks by cognitive load. Human Brain Mapping, 2011, 32, 1649-1659.	3.6	92

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55	An roc approach for evaluating functional brain mr imaging and postprocessing protocols. Magnetic Resonance in Medicine, 1995, 34, 57-64.	3.0	91
56	Quantification of intravascular and extravascular contributions to BOLD effects induced by alteration in oxygenation or intravascular contrast agents. Magnetic Resonance in Medicine, 1998, 40, 526-536.	3.0	91
57	Antipsychotic Drug-Like Effects of the Selective M4 Muscarinic Acetylcholine Receptor Positive Allosteric Modulator VU0152100. Neuropsychopharmacology, 2014, 39, 1578-1593.	5.4	91
58	Diffusion-weighted multiple shot echo planar imaging of humans without navigation. Magnetic Resonance in Medicine, 1997, 38, 82-88.	3.0	90
59	Brain activation associated with visual motion studied by functional magnetic resonance imaging in humans. Human Brain Mapping, 1994, 2, 234-243.	3.6	89
60	Asymmetric spin-echo imaging of magnetically inhomogeneous systems: Theory, experiment, and numerical studies. Magnetic Resonance in Medicine, 1998, 40, 432-442.	3.0	89
61	Development and evaluation of tracking algorithms for cardiac wall motion analysis using phase velocity MR imaging. Magnetic Resonance in Medicine, 1994, 32, 33-42.	3.0	86
62	Sensitivity of MR diffusion measurements to variations in intracellular structure: Effects of nuclear size. Magnetic Resonance in Medicine, 2009, 61, 828-833.	3.0	86
63	Nuclear magnetic resonance signal from flowing nuclei in rapid imaging using gradient echoes. Medical Physics, 1988, 15, 809-814.	3.0	84
64	Physiologic basis for BOLD MR signal changes due to hypoxia/hyperoxia: Separation of blood volume and magnetic susceptibility effects. Magnetic Resonance in Medicine, 1997, 37, 953-956.	3.0	84
65	A new NOE-mediated MT signal at around $\delta \sim 1.6$ ppm for detecting ischemic stroke in rat brain. Magnetic Resonance Imaging, 2016, 34, 1100-1106.	1.8	84
66	Differentiation of somatosensory cortices by high-resolution fMRI at 7 T. NeuroImage, 2011, 54, 1012-1020.	4.2	82
67	Magnetic resonance in the era of molecular imaging of cancer. Magnetic Resonance Imaging, 2011, 29, 587-600.	1.8	82
68	Visualizing functional pathways in the human brain using correlation tensors and magnetic resonance imaging. Magnetic Resonance Imaging, 2016, 34, 8-17.	1.8	82
69	Functional NMR imaging using fast spin echo at 1.5 T. Magnetic Resonance in Medicine, 1994, 31, 686-690.	3.0	80
70	Barbiturate-Reversible Reduction of Water Diffusion Coefficient in Flurothyl-Induced Status Epilepticus in Rats. Magnetic Resonance in Medicine, 1995, 33, 253-256.	3.0	79
71	High-Resolution Maps of Real and Illusory Tactile Activation in Primary Somatosensory Cortex in Individual Monkeys with Functional Magnetic Resonance Imaging and Optical Imaging. Journal of Neuroscience, 2007, 27, 9181-9191.	3.6	78
72	Iron-Loaded Magnetic Nanocapsules for pH-Triggered Drug Release and MRI Imaging. Chemistry of Materials, 2014, 26, 2105-2112.	6.7	78

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73	In vivo measurement of ADC change due to intravascular susceptibility variation. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 236-240.	3.0	77
74	Temporal diffusion spectroscopy: Theory and implementation in restricted systems using oscillating gradients. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 75-84.	3.0	77
75	Increased hippocampal CA1 cerebral blood volume in schizophrenia. <i>NeuroImage: Clinical</i> , 2014, 5, 359-364.	2.7	77
76	Lateralization of temporal lobe epilepsy using resting functional magnetic resonance imaging connectivity of hippocampal networks. <i>Epilepsia</i> , 2012, 53, 1628-1635.	5.1	76
77	Relative contributions of chemical exchange and other relaxation mechanisms in protein solutions and tissues. <i>Magnetic Resonance in Medicine</i> , 1989, 11, 295-308.	3.0	72
78	Localization of semantic processing using functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 1994, 2, 149-158.	3.6	72
79	Magnetic and optical properties of multifunctional core-shell radioluminescence nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 12802.	6.7	71
80	Monitoring the Inflammatory Response to Infection through the Integration of MALDI IMS and MRI. <i>Cell Host and Microbe</i> , 2012, 11, 664-673.	11.0	71
81	In vivo imaging of cancer cell size and cellularity using temporal diffusion spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 156-164.	3.0	71
82	Measuring Brain Manganese and Iron Accumulation in Rats following 14 Weeks of Low-Dose Manganese Treatment Using Atomic Absorption Spectroscopy and Magnetic Resonance Imaging. <i>Toxicological Sciences</i> , 2008, 103, 116-124.	3.1	70
83	Resting state functional connectivity of the hippocampus associated with neurocognitive function in left temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2014, 35, 735-744.	3.6	70
84	Neuromodulation of sensory networks in monkey brain by focused ultrasound with MRI guidance and detection. <i>Scientific Reports</i> , 2018, 8, 7993.	3.3	69
85	The use of magnetic resonance imaging (MRI) in the study of manganese neurotoxicity. <i>NeuroToxicology</i> , 2006, 27, 798-806.	3.0	68
86	Principles and practice of functional MRI of the human brain. <i>Journal of Clinical Investigation</i> , 2003, 112, 4-9.	8.2	68
87	Simultaneous event-related potential and near-infrared spectroscopic studies of semantic processing. <i>Human Brain Mapping</i> , 2004, 22, 110-115.	3.6	67
88	Quantification of cell size using temporal diffusion spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1076-1085.	3.0	66
89	Spinal cord MRI at 7T. <i>NeuroImage</i> , 2018, 168, 437-451.	4.2	66
90	Studies of restricted diffusion in heterogeneous media containing variations in susceptibility. <i>Magnetic Resonance in Medicine</i> , 1991, 19, 276-284.	3.0	65

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91	Injury alters intrinsic functional connectivity within the primate spinal cord. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5991-5996.	7.1	65
92	Reversible, reproducible reduction of brain water apparent diffusion coefficient by cortical electroshocks. Magnetic Resonance in Medicine, 1997, 37, 1-6.	3.0	63
93	Reproducibility of resting state spinal cord networks in healthy volunteers at 7 Tesla. NeuroImage, 2016, 133, 31-40.	4.2	62
94	Functional connectivity disturbances of the ascending reticular activating system in temporal lobe epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 925-932.	1.9	62
95	Studies of factors affecting the design of NMR contrast agents: manganese in blood as a model system. Magnetic Resonance in Medicine, 1984, 1, 396-409.	3.0	61
96	Compartmental study of diffusion and relaxation measured in vivo in normal and ischemic rat brain and trigeminal nerve. Magnetic Resonance in Medicine, 2000, 43, 837-844.	3.0	58
97	Integrated molecular imaging reveals tissue heterogeneity driving host-pathogen interactions. Science Translational Medicine, 2018, 10, .	12.4	58
98	Numerical study of water diffusion in biological tissues using an improved finite difference method. Physics in Medicine and Biology, 2007, 52, N111-N126.	3.0	57
99	New Insights into Tumor Microstructure Using Temporal Diffusion Spectroscopy. Cancer Research, 2008, 68, 5941-5947.	0.9	56
100	Integrating Functional and Diffusion Magnetic Resonance Imaging for Analysis of Structure-Function Relationship in the Human Language Network. PLoS ONE, 2009, 4, e6660.	2.5	56
101	Noninvasive Detection of Matrix Metalloproteinase Activity In Vivo using a Novel Magnetic Resonance Imaging Contrast Agent with a Solubility Switch. Molecular Imaging, 2007, 6, 7290.2007.00035.	1.4	55
102	Task demand modulation of steady-state functional connectivity to primary motor cortex. Human Brain Mapping, 2007, 28, 663-672.	3.6	55
103	Functional connectivity-based parcellation of amygdala using self-organized mapping: A data driven approach. Human Brain Mapping, 2014, 35, 1247-1260.	3.6	55
104	Functional connectivity and activity of white matter in somatosensory pathways under tactile stimulations. NeuroImage, 2017, 152, 371-380.	4.2	55
105	Quantitative studies of magnetization transfer by selective excitation and T1 recovery. Magnetic Resonance in Medicine, 1997, 38, 224-231.	3.0	54
106	A method for determinism in short time series, and its application to stationary EEG. IEEE Transactions on Biomedical Engineering, 2002, 49, 1374-1379.	4.2	54
107	Quantitative characterization of tissue microstructure with temporal diffusion spectroscopy. Journal of Magnetic Resonance, 2009, 200, 189-197.	2.1	54
108	Functional epileptic network in left mesial temporal lobe epilepsy detected using resting fMRI. Epilepsy Research, 2010, 88, 168-178.	1.6	54

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109	Turbulent flow effects on NMR imaging: Measurement of turbulent intensity. <i>Medical Physics</i> , 1991, 18, 1045-1051.	3.0	53
110	Voxel-wise detection of functional networks in white matter. <i>NeuroImage</i> , 2018, 183, 544-552.	4.2	53
111	A general model of microcirculatory blood flow effects in gradient sensitized MRI. <i>Medical Physics</i> , 1994, 21, 539-545.	3.0	52
112	Functional MRI and multivariate autoregressive models. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1058-1065.	1.8	52
113	Robust expertise effects in right FFA. <i>Neuropsychologia</i> , 2014, 63, 135-144.	1.6	52
114	Effects of isoflurane anesthesia on resting-state <scp>fMRI</scp> signals and functional connectivity within primary somatosensory cortex of monkeys. <i>Brain and Behavior</i> , 2016, 6, e00591.	2.2	51
115	Proximal nerve magnetization transfer MRI relates to disability in Charcot-Marie-Tooth diseases. <i>Neurology</i> , 2014, 83, 1545-1553.	1.1	49
116	Relating structural and functional brainstem connectivity to disease measures in epilepsy. <i>Neurology</i> , 2018, 91, e67-e77.	1.1	48
117	Modified oscillating gradient pulses for direct sampling of the diffusion spectrum suitable for imaging sequences. <i>Magnetic Resonance Imaging</i> , 2003, 21, 279-285.	1.8	47
118	Quantitative imaging of magnetization transfer using multiple selective pulses. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 1065-1072.	3.0	46
119	Magnetic resonance imaging of the cervical spinal cord in multiple sclerosis at 7T. <i>Multiple Sclerosis Journal</i> , 2016, 22, 320-328.	3.0	46
120	Dynamic B0 shimming at 7 T. <i>Magnetic Resonance Imaging</i> , 2011, 29, 483-496.	1.8	44
121	High relaxivity MRI imaging reagents from bimodal star polymers. <i>Polymer Chemistry</i> , 2012, 3, 390-398.	3.9	44
122	Increased hippocampal blood volume and normal blood flow in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2015, 232, 219-225.	1.8	44
123	Sex differences in sodium deposition in human muscle and skin. <i>Magnetic Resonance Imaging</i> , 2017, 36, 93-97.	1.8	44
124	Multiple sclerosis lesions affect intrinsic functional connectivity of the spinal cord. <i>Brain</i> , 2018, 141, 1650-1664.	7.6	44
125	Magnetic resonance imaging of mean cell size in human breast tumors. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2002-2014.	3.0	43
126	Measurement of tissue blood flow using intravascular relaxation agents and resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1990, 14, 242-248.	3.0	41



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127	Imaging oxygen tension in liver and spleen by $^{19}\text{F}$ NMR. <i>Magnetic Resonance in Medicine</i> , 1993, 29, 446-458.	3.0	41
128	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.	3.0	41
129	Metabolic state of the rat liver with ethanol: Comparison of in vivo $^{31}\text{P}$ phosphorus nuclear magnetic resonance spectroscopy with freeze clamp assessment. <i>Hepatology</i> , 1987, 7, 83-88.	7.3	40
130	Contributions of chemical exchange to $T_2$ dispersion in a tissue model. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1563-1571.	3.0	40
131	Dependence of temporal diffusion spectra on microstructural properties of biological tissues. <i>Magnetic Resonance Imaging</i> , 2011, 29, 380-390.	1.8	40
132	Earlier detection of tumor treatment response using magnetic resonance diffusion imaging with oscillating gradients. <i>Magnetic Resonance Imaging</i> , 2011, 29, 315-323.	1.8	40
133	Distinct fine-scale fMRI activation patterns of contralateral and ipsilateral somatosensory areas 3b and 1 in humans. <i>Human Brain Mapping</i> , 2014, 35, 4841-4857.	3.6	40
134	Inhalable Curcumin: Offering the Potential for Translation to Imaging and Treatment of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 283-295.	2.6	40
135	Characterizing Tumor Response to Chemotherapy at Various Length Scales Using Temporal Diffusion Spectroscopy. <i>PLoS ONE</i> , 2012, 7, e41714.	2.5	40
136	Brain Energy State and Lactate Metabolism during Status Epilepticus in the Neonatal Dog: In Vivo $^{31}\text{P}$ and $^1\text{H}$ Nuclear Magnetic Resonance Study. <i>Pediatric Research</i> , 1991, 29, 191-195.	2.3	39
137	Fast and robust measurement of microstructural dimensions using temporal diffusion spectroscopy. <i>Journal of Magnetic Resonance</i> , 2014, 242, 4-9.	2.1	39
138	Time-Dependent Influence of Cell Membrane Permeability on MR Diffusion Measurements. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1927-1934.	3.0	38
139	Functional engagement of white matter in resting-state brain networks. <i>NeuroImage</i> , 2020, 220, 117096.	4.2	38
140	Measurement of regional cerebral glucose uptake by magnetic resonance spin-lock imaging. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1078-1084.	1.8	37
141	Quantitative studies of hydrodynamic effects and cross-relaxation in protein solutions and tissues with proton and deuteron longitudinal relaxation times. <i>Magnetic Resonance in Medicine</i> , 1990, 13, 192-203.	3.0	36
142	Diffusion-weighted NMR imaging changes caused by electrical activation of the brain. <i>NMR in Biomedicine</i> , 1995, 8, 359-364.	2.8	35
143	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.	2.6	35
144	Bidirectional and state-dependent modulation of brain activity by transcranial focused ultrasound in non-human primates. <i>Brain Stimulation</i> , 2021, 14, 261-272.	1.6	35

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145	Development of 2dTCA for the detection of irregular, transient bold activity. Human Brain Mapping, 2008, 29, 57-69.	3.6	34
146	Improving measurement of functional connectivity through decreasing partial volume effects at 7T. NeuroImage, 2012, 59, 2511-2517.	4.2	34
147	Gadolinium-bearing red cells as blood pool MRI contrast agents. Magnetic Resonance in Medicine, 1998, 40, 133-142.	3.0	33
148	Computer simulation studies of the effects of dynamic shimming on susceptibility artifacts in EPI at high field. Journal of Magnetic Resonance, 2005, 173, 10-22.	2.1	33
149	Sex differences in psychophysical and neurophysiological responses to pain in older adults: a cross-sectional study. Biology of Sex Differences, 2015, 6, 25.	4.1	33
150	Functional connectivity of white matter as a biomarker of cognitive decline in Alzheimer's disease. PLoS ONE, 2020, 15, e0240513.	2.5	33
151	Network analysis of brain activations in working memory: Behavior and age relationships. Microscopy Research and Technique, 2000, 51, 64-74.	2.2	32
152	On the relationship between the apparent diffusion coefficient and extravascular extracellular volume fraction in human breast cancer. Magnetic Resonance Imaging, 2011, 29, 630-638.	1.8	32
153	Influence of cell cycle phase on apparent diffusion coefficient in synchronized cells detected using temporal diffusion spectroscopy. Magnetic Resonance in Medicine, 2011, 65, 920-926.	3.0	32
154	Functional Networks in Temporal-Lobe Epilepsy: A Voxel-Wise Study of Resting-State Functional Connectivity and Gray-Matter Concentration. Brain Connectivity, 2013, 3, 22-30.	1.7	32
155	Effects of anesthesia on resting state BOLD signals in white matter of non-human primates. Magnetic Resonance Imaging, 2016, 34, 1235-1241.	1.8	32
156	Dependence of BOLD signal change on tactile stimulus intensity in SI of primates. Magnetic Resonance Imaging, 2007, 25, 784-794.	1.8	31
157	Contributions of chemical and diffusive exchange to $T_2^*$ dispersion. Magnetic Resonance in Medicine, 2013, 69, 1357-1366.	3.0	31
158	Measuring relative timings of brain activities using fMRI. NeuroImage, 2013, 66, 436-448.	4.2	31
159	New insights into rotating frame relaxation at high field. NMR in Biomedicine, 2016, 29, 1258-1273.	2.8	31
160	Noninvasive detection of matrix metalloproteinase activity in vivo using a novel magnetic resonance imaging contrast agent with a solubility switch. Molecular Imaging, 2007, 6, 393-403.	1.4	31
161	A model for the analysis of competitive relaxation effects of manganese and iron in vivo. NMR in Biomedicine, 2009, 22, 391-404.	2.8	30
162	Intravascular susceptibility agent effects on tissue transverse relaxation rates in vivo. Magnetic Resonance in Medicine, 2000, 44, 909-914.	3.0	29

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163	Biophysical and neural basis of resting state functional connectivity: Evidence from non-human primates. <i>Magnetic Resonance Imaging</i> , 2017, 39, 71-81.	1.8	29
164	Cluster analysis detection of functional MRI activity in temporal lobe epilepsy. <i>Epilepsy Research</i> , 2007, 76, 22-33.	1.6	28
165	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.	3.0	28
166	Chemical exchange in knee cartilage assessed by $R1\rho(1/T1\rho)$ dispersion at 3T. <i>Magnetic Resonance Imaging</i> , 2015, 33, 38-42.	1.8	28
167	Detection of functional networks within white matter using independent component analysis. <i>NeuroImage</i> , 2020, 222, 117278.	4.2	28
168	Molecular Imaging Without Radiopharmaceuticals?. <i>Journal of Nuclear Medicine</i> , 2009, 50, 999-1007.	5.0	27
169	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.	7.1	27
170	Functional Magnetic Resonance Imaging Identifies Abnormal Visual Cortical Function in Patients with Occipital Lobe Epilepsy. <i>Epilepsia</i> , 1999, 40, 1248-1253.	5.1	26
171	Complications of nonlinear echo time spacing for measurement of T2. <i>NMR in Biomedicine</i> , 2000, 13, 1-7.	2.8	26
172	Co-registration of multi-modality imaging allows for comprehensive analysis of tumor-induced bone disease. <i>Bone</i> , 2014, 61, 208-216.	2.9	26
173	Resting-state white matter-cortical connectivity in non-human primate brain. <i>NeuroImage</i> , 2019, 184, 45-55.	4.2	26
174	Exchange-mediated contrast in CEST and spin-lock imaging. <i>Magnetic Resonance Imaging</i> , 2014, 32, 28-40.	1.8	25
175	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.	2.1	25
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