Ravi S Menon

List of Publications by Year
in descending order

251 papers	25,670 citations	10389 72 h-index	7348 152 g-index
276 all docs	276 docs citations	276 times ranked	18573 citing authors

#	Article	IF	Citations
1	Functional Organization of Frontoparietal Cortex in the Marmoset Investigated with Awake Resting-State fMRI. Cerebral Cortex, 2022, 32, 1965-1977.	2.9	1
2	Toward next-generation primate neuroscience: A collaboration-based strategic plan for integrative neuroimaging. Neuron, 2022, 110, 16-20.	8.1	22
3	An open access resource for functional brain connectivity from fully awake marmosets. NeuroImage, 2022, 252, 119030.	4.2	23
4	Integration of an RF coil and commercial field camera for ultrahighâ€field MRI. Magnetic Resonance in Medicine, 2022, 87, 2551-2565.	3.0	5
5	Effects of MP2RAGE B1+ sensitivity on inter-site T1 reproducibility and hippocampal morphometry at 7T. NeuroImage, 2021, 224, 117373.	4.2	17
6	Radiofrequency coil for routine ultraâ€highâ€field imaging with an unobstructed visual field. NMR in Biomedicine, 2021, 34, e4457.	2.8	18
7	SchrÃ¶dinger filtering: a precise EEG despiking technique for EEG-fMRI gradient artifact. NeuroImage, 2021, 226, 117525.	4.2	8
8	Normative Analysis of Individual Brain Differences Based on a Population MRI-Based Atlas of Cynomolgus Macaques. Cerebral Cortex, 2021, 31, 341-355.	2.9	12
9	Effects of phase regression on high-resolution functional MRI of the primary visual cortex. NeuroImage, 2021, 227, 117631.	4.2	15
10	Neural network of social interaction observation in marmosets. ELife, 2021, 10, .	6.0	22
11	Repetitive mild traumatic brain injury in mice triggers a slowly developing cascade of long-term and persistent behavioral deficits and pathological changes. Acta Neuropathologica Communications, 2021, 9, 60.	5.2	31
12	Muting, not fragmentation, of functional brain networks under general anesthesia. NeuroImage, 2021, 231, 117830.	4.2	14
13	Structural alterations in cortical and thalamocortical white matter tracts after recovery from prefrontal cortex lesions in macaques. NeuroImage, 2021, 232, 117919.	4.2	2
14	Automatic determination of the regularization weighting for waveletâ€based compressed sensing MRI reconstructions. Magnetic Resonance in Medicine, 2021, 86, 1403-1419.	3.0	14
15	Author Response: Longitudinal Changes of Brain Microstructure and Function in Nonconcussed Female Rugby Players. Neurology, 2021, 96, 968.2-969.	1.1	0
16	Concussion Acutely Decreases Plasma Glycerophospholipids in Adolescent Male Athletes. Journal of Neurotrauma, 2021, 38, 1608-1614.	3.4	9
17	Mesoscale hierarchical organization of primary somatosensory cortex captured by resting-state-fMRI in humans. NeuroImage, 2021, 235, 118031.	4.2	14
18	Receiver phase alignment using fitted SVD derived sensitivities from routine prescans. PLoS ONE, 2021, 16, e0256700.	2.5	0

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19	Minimal specifications for non-human primate MRI: Challenges in standardizing and harmonizing data collection. NeuroImage, 2021, 236, 118082.	4.2	22
20	Interspecies activation correlations reveal functional correspondences between marmoset and human brain areas. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
21	Protocol-dependence of middle cerebral artery dilation to modest hypercapnia. Applied Physiology, Nutrition and Metabolism, 2021, 46, 1038-1046.	1.9	6
22	Simultaneous functional MRI of two awake marmosets. Nature Communications, 2021, 12, 6608.	12.8	15
23	Putative Concussion Biomarkers Identified in Adolescent Male Athletes Using Targeted Plasma Proteomics. Frontiers in Neurology, 2021, 12, 787480.	2.4	3
24	Comparison of resting-state functional connectivity in marmosets with tracer-based cellular connectivity. NeuroImage, 2020, 204, 116241.	4.2	50
25	Using variableâ€rate selective excitation (VERSE) radiofrequency pulses to reduce power deposition in pulsed arterial spin labeling sequence at 7 Tesla. Magnetic Resonance in Medicine, 2020, 83, 645-652.	3.0	5
26	Functional reorganization during the recovery of contralesional target selection deficits after prefrontal cortex lesions in macaque monkeys. NeuroImage, 2020, 207, 116339.	4.2	14
27	Direct visualization and characterization of the human zona incerta and surrounding structures. Human Brain Mapping, 2020, 41, 4500-4517.	3.6	21
28	Brain Metabolite Levels in Sedentary Women and Non-contact Athletes Differ From Contact Athletes. Frontiers in Human Neuroscience, 2020, 14, 593498.	2.0	5
29	Divergence of rodent and primate medial frontal cortex functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21681-21689.	7.1	76
30	Cortico-Subcortical Functional Connectivity Profiles of Resting-State Networks in Marmosets and Humans. Journal of Neuroscience, 2020, 40, 9236-9249.	3.6	25
31	Elimination of lowâ€inversionâ€efficiency induced artifacts in wholeâ€brain MP2RAGE using multiple RFâ€shim configurations at 7 T. NMR in Biomedicine, 2020, 33, e4387.	2.8	1
32	Dynamic Reconfiguration, Fragmentation, and Integration of Whole-Brain Modular Structure across Depths of Unconsciousness. Cerebral Cortex, 2020, 30, 5229-5241.	2.9	12
33	Looming and receding visual networks in awake marmosets investigated with fMRI. NeuroImage, 2020, 215, 116815.	4.2	26
34	Longitudinal changes of brain microstructure and function in nonconcussed female rugby players. Neurology, 2020, 95, e402-e412.	1.1	20
35	Altered Resting-State Functional Connectivity Between Awake and Isoflurane Anesthetized Marmosets. Cerebral Cortex, 2020, 30, 5943-5959.	2.9	36
36	Demonstration and suppression of respirationâ€related artifacts in Blochâ€“Siegert shiftâ€based B 1 + maps of the human brain. NMR in Biomedicine, 2020, 33, e4299.	2.8	1

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37	Accelerating the Evolution of Nonhuman Primate Neuroimaging. Neuron, 2020, 105, 600-603.	8.1	92
38	Face selective patches in marmoset frontal cortex. Nature Communications, 2020, 11, 4856.	12.8	34
39	Task-based fMRI of a free-viewing visuo-saccadic network in the marmoset monkey. NeuroImage, 2019, 202, 116147.	4.2	35
40	Resonate: Reflections and recommendations on implicit biases within the ISMRM. Journal of Magnetic Resonance Imaging, 2019, 49, 1509-1511.	3.4	1
41	Comparison of Multiple Sclerosis Cortical Lesion Types Detected by Multicontrast 3T and 7T MRI. American Journal of Neuroradiology, 2019, 40, 1162-1169.	2.4	34
42	Integrated radiofrequency array and animal holder design for minimizing head motion during awake marmoset functional magnetic resonance imaging. NeuroImage, 2019, 193, 126-138.	4.2	45
43	Shape Optimization of an Electric Dipole Array for 7 Tesla Neuroimaging. IEEE Transactions on Medical Imaging, 2019, 38, 2177-2187.	8.9	25
44	Exploring the limits of network topology estimation using diffusion-based tractography and tracer studies in the macaque cortex. NeuroImage, 2019, 191, 81-92.	4.2	28
45	Imaging outcome measures of neuroprotection and repair in MS. Neurology, 2019, 92, 519-533.	1.1	53
46	Linked MRI signatures of the brain's acute and persistent response to concussion in female varsity rugby players. NeuroImage: Clinical, 2019, 21, 101627.	2.7	19
47	Intrinsic functional clustering of anterior cingulate cortex in the common marmoset. NeuroImage, 2019, 186, 301-307.	4.2	25
48	Open-source hardware designs for MRI of mice, rats, and marmosets: Integrated animal holders and radiofrequency coils. Journal of Neuroscience Methods, 2019, 312, 65-72.	2.5	20
49	Intrinsic Functional Boundaries of Lateral Frontal Cortex in the Common Marmoset Monkey. Journal of Neuroscience, 2019, 39, 1020-1029.	3.6	26
50	Magnetic field probes for timeâ€domain monitoring of RF exposure within tissueâ€mimicking materials for MRIâ€compatible medical device testing. Electronics Letters, 2018, 54, 16-18.	1.0	12
51	Reduced brain glutamine in female varsity rugby athletes after concussion and in nonâ€concussed athletes after a season of play. Human Brain Mapping, 2018, 39, 1489-1499.	3.6	24
52	Prediction of radiation necrosis in a rodent model using magnetic resonance imaging apparent transverse relaxation (R_{2}^{*}). Physics in Medicine and Biology, 2018, 63, 035010.	3.0	6
53	Higher order thalamic nuclei resting network connectivity in early schizophrenia and major depressive disorder. Psychiatry Research - Neuroimaging, 2018, 272, 7-16.	1.8	20
54	Apparent transverse relaxation () on <scp>MRI</scp> as a method to differentiate treatment effect (pseudoprogression) versus progressive disease in chemoradiation for malignant glioma. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 224-231.	1.8	5

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55	An Open Resource for Non-human Primate Imaging. Neuron, 2018, 100, 61-74.e2.	8.1	190
56	Concentric radiofrequency arrays to increase the statistical power of resting-state maps in monkeys. NeuroImage, 2018, 178, 287-294.	4.2	9
57	In vivo manganese tract tracing of frontal eye fields in rhesus macaques with ultra-high field MRI: Comparison with DWI tractography. NeuroImage, 2018, 181, 211-218.	4.2	12
58	Editorial Focus on â€œInvariant and heritable local cortical organization as revealed by fMRIâ€• Journal of Neurophysiology, 2018, 120, 758-759.	1.8	0
59	Morphology-Specific Discrimination between MS White Matter Lesions and Benign White Matter Hyperintensities Using Ultra-High-Field MRI. American Journal of Neuroradiology, 2018, 39, 1473-1479.	2.4	21
60	Exogenous Neural Precursor Cell Transplantation Results in Structural and Functional Recovery in a Hypoxic-Ischemic Hemiplegic Mouse Model. ENeuro, 2018, 5, ENEURO.0369-18.2018.	1.9	20
61	Frontoparietal Functional Connectivity in the Common Marmoset. Cerebral Cortex, 2017, 27, 3890-3905.	2.9	78
62	Susceptibilityâ€weighted imaging using interâ€echoâ€variance channel combination for improved contrast at 7 tesla. Journal of Magnetic Resonance Imaging, 2017, 45, 1113-1124.	3.4	4
63	A geometrically adjustable receive array for imaging marmoset cohorts. NeuroImage, 2017, 156, 78-86.	4.2	14
64	Diffusion-weighted tractography in the common marmoset monkey at 9.4T. Journal of Neurophysiology, 2017, 118, 1344-1354.	1.8	25
65	Swallowing Preparation and Execution: Insights from a Delayed-Response Functional Magnetic Resonance Imaging (fMRI) Study. Dysphagia, 2017, 32, 526-541.	1.8	25
66	Initial Investigation into Microbleeds and White Matter Signal Changes following Radiotherapy for Low-Grade and Benign Brain Tumors Using Ultra-High-Field MRI Techniques. American Journal of Neuroradiology, 2017, 38, 2251-2256.	2.4	13
67	Reliable RF B/E-Field Probes for Time-Domain Monitoring of EM Exposure During Medical Device Testing. IEEE Transactions on Antennas and Propagation, 2017, 65, 4815-4823.	5.1	18
68	Multiparametric MRI changes persist beyond recovery in concussed adolescent hockey players. Neurology, 2017, 89, 2157-2166.	1.1	83
69	Spontaneous low frequency BOLD signal variations from resting-state fMRI are decreased in Alzheimer disease. PLoS ONE, 2017, 12, e0178529.	2.5	19
70	Medial Prefrontal and Anterior Insular Connectivity in Early Schizophrenia and Major Depressive Disorder: A Resting Functional MRI Evaluation of Large-Scale Brain Network Models. Frontiers in Human Neuroscience, 2016, 10, 132.	2.0	43
71	General Coupling Matrix Synthesis<?Pub _newline ?>for Decoupling MRI RF Arrays. IEEE Transactions on Medical Imaging, 2016, 35, 2229-2242.	8.9	7
72	Metabolomics profiling of concussion in adolescent male hockey players: a novel diagnostic method. Metabolomics, 2016, 12, 1.	3.0	43

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73	Optimized parallel transmit and receive radiofrequency coil for ultrahigh-field MRI of monkeys. NeuroImage, 2016, 125, 153-161.	4.2	39
74	The Evaluation of Magnesium Chloride within a Polyethylene Glycol Formulation in a Porcine Model of Acute Spinal Cord Injury. Journal of Neurotrauma, 2016, 33, 2202-2216.	3.4	21
75	Neuroplastic Sensorimotor Resting State Network Reorganization in Children With Hemiplegic Cerebral Palsy Treated With Constraint-Induced Movement Therapy. Journal of Child Neurology, 2016, 31, 220-226.	1.4	27
76	Interâ€echo variance as a weighting factor for multiâ€channel combination in multiâ€echo acquisition for local frequency shift mapping. Magnetic Resonance in Medicine, 2015, 73, 1654-1661.	3.0	6
77	High Rate of Microbleed Formation following Primary Intracerebral Hemorrhage. International Journal of Stroke, 2015, 10, 1187-1191.	5.9	7
78	Design of a Parallel Transmit Head Coil at 7T With Magnetic Wall Distributed Filters. IEEE Transactions on Medical Imaging, 2015, 34, 836-845.	8.9	31
79	Resting State and Diffusion Neuroimaging Predictors of Clinical Improvements Following Constraint-Induced Movement Therapy in Children With Hemiplegic Cerebral Palsy. Journal of Child Neurology, 2015, 30, 1507-1514.	1.4	26
80	MRI RF Array Decoupling Method With Magnetic Wall Distributed Filters. IEEE Transactions on Medical Imaging, 2015, 34, 825-835.	8.9	28
81	Electrophysiological signatures of spontaneous BOLD fluctuations in macaque prefrontal cortex. NeuroImage, 2015, 113, 257-267.	4.2	38
82	Functional Imaging of Auditory Cortex in Adult Cats using High-field fMRI. Journal of Visualized Experiments, 2014, , e50872.	0.3	2
83	Origins of R ₂ ^{â^—} orientation dependence in gray and white matter. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E159-67.	7.1	54
84	Highcor: A novel data-driven regressor identification method for BOLD fMRI. NeuroImage, 2014, 98, 184-194.	4.2	11
85	Multiple Sclerosis: Improved Identification of Disease-relevant Changes in Gray and White Matter by Using Susceptibility-based MR Imaging. Radiology, 2014, 272, 851-864.	7.3	50
86	Comparison of Multiecho Postprocessing Schemes for SWI with Use of Linear and Nonlinear Mask Functions. American Journal of Neuroradiology, 2014, 35, 38-44.	2.4	11
87	Increased deep gray matter iron is present in clinically isolated syndromes. Multiple Sclerosis and Related Disorders, 2014, 3, 194-202.	2.0	19
88	There's more than one way to scan a cat: Imaging cat auditory cortex with high-field fMRI using continuous or sparse sampling. Journal of Neuroscience Methods, 2014, 224, 96-106.	2.5	25
89	Identification of Optimal Structural Connectivity Using Functional Connectivity and Neural Modeling. Journal of Neuroscience, 2014, 34, 7910-7916.	3.6	138
90	Phase based venous suppression in resting-state BOLD GE-fMRI. NeuroImage, 2014, 100, 51-59.	4.2	25

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91	Isoflurane induces dose-dependent alterations in the cortical connectivity profiles and dynamic properties of the brain's functional architecture. Human Brain Mapping, 2014, 35, 5754-5775.	3.6	122
92	Resting-state networks show dynamic functional connectivity in awake humans and anesthetized macaques. Human Brain Mapping, 2013, 34, 2154-2177.	3.6	667
93	Reply. Annals of Neurology, 2013, 73, 797-797.	5.3	0
94	Characterization of the blood-oxygen level-dependent (BOLD) response in cat auditory cortex using high-field fMRI. NeuroImage, 2013, 64, 458-465.	4.2	25
95	Venocentric Lesions: An MRI Marker of MS?. Frontiers in Neurology, 2013, 4, 98.	2.4	13
96	Analysis of circumferential shielding as a methodto decouple radiofrequency coils for highâ€field MRI. Concepts in Magnetic Resonance Part B, 2013, 43B, 11-21.	0.7	5
97	A lowâ€cost, mechanically simple apparatus for measuring eddy currentâ€induced magnetic fields in MRI. NMR in Biomedicine, 2013, 26, 1285-1290.	2.8	2
98	Simultaneous in vivo pH and temperature mapping using a PARACESTâ€MRI contrast agent. Magnetic Resonance in Medicine, 2013, 70, 1016-1025.	3.0	66
99	Functional connectivity patterns of medial and lateral macaque frontal eye fields reveal distinct visuomotor networks. Journal of Neurophysiology, 2013, 109, 2560-2570.	1.8	30
100	Functional connectivity of the frontal eye fields in humans and macaque monkeys investigated with resting-state fMRI. Journal of Neurophysiology, 2012, 107, 2463-2474.	1.8	112
101	Poor Long-Term Blood Pressure Control After Intracerebral Hemorrhage. Stroke, 2012, 43, 2580-2585.	2.0	27
102	Mental chronometry. NeuroImage, 2012, 62, 1068-1071.	4.2	12
103	Information Processing Architecture of Functionally Defined Clusters in the Macaque Cortex. Journal of Neuroscience, 2012, 32, 17465-17476.	3.6	106
104	The great brain versus vein debate. NeuroImage, 2012, 62, 970-974.	4.2	43
105	Resting-State Connectivity Identifies Distinct Functional Networks in Macaque Cingulate Cortex. Cerebral Cortex, 2012, 22, 1294-1308.	2.9	61
106	A conformal transceive array for 7 T neuroimaging. Magnetic Resonance in Medicine, 2012, 67, 1487-1496.	3.0	51
107	Sliceâ€byâ€slice B₁⁺ shimming at 7 T. Magnetic Resonance in Medicine, 2012, 68, 1109-1116.	3.0	58
108	Progressive membrane phospholipid changes in first episode schizophrenia with high field magnetic resonance spectroscopy. Psychiatry Research - Neuroimaging, 2012, 201, 25-33.	1.8	18

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109	Predictors of highly prevalent brain ischemia in intracerebral hemorrhage. Annals of Neurology, 2012, 71, 199-205.	5.3	119
110	Resting-state networks in the macaque at 7T. NeuroImage, 2011, 56, 1546-1555.	4.2	131
111	A radiofrequency coil to facilitate B shimming and parallel imaging acceleration in three dimensions at 7 T. NMR in Biomedicine, 2011, 24, 815-823.	2.8	41
112	A Canadian Perspective on Ethics Review and Neuroimaging: Tensions and Solutions. Canadian Journal of Neurological Sciences, 2011, 38, 572-579.	0.5	5
113	Grey matter and social functioning correlates of glutamatergic metabolite loss in schizophrenia. British Journal of Psychiatry, 2011, 198, 448-456.	2.8	103
114	In vivo detection of MRIâ€PARACEST agents in mouse brain tumors at 9.4 T. Magnetic Resonance in Medicine, 2011, 66, 67-72.	3.0	30
115	Elimination of the Vesicular Acetylcholine Transporter in the Striatum Reveals Regulation of Behaviour by Cholinergic-Glutamatergic Co-Transmission. PLoS Biology, 2011, 9, e1001194.	5.6	80
116	Evaluation of preprocessing steps to compensate for magnetic field distortions due to body movements in BOLD fMRI. Magnetic Resonance Imaging, 2010, 28, 235-244.	1.8	31
117	In vivo detection of PARACEST agents with relaxation correction. Magnetic Resonance in Medicine, 2010, 63, 1184-1192.	3.0	20
118	Transmit/receive radiofrequency coil with individually shielded elements. Magnetic Resonance in Medicine, 2010, 64, 1640-1651.	3.0	29
119	A cradle-shaped gradient coil to expand the clear-bore width of an animal MRI scanner. Physics in Medicine and Biology, 2010, 55, 497-514.	3.0	4
120	Visually-guided grasping produces fMRI activation in dorsal but not ventral stream brain areas. Journal of Vision, 2010, 1, 194-194.	0.3	2
121	Scene classification and parahippocampal place area activation in an individual with visual form agnosia. Journal of Vision, 2010, 2, 495-495.	0.3	3
122	Areas active during a pointing but not a saccade delay are medial to saccade-and-pointing network. Journal of Vision, 2010, 1, 265-265.	0.3	0
123	Differing viewpoint effects in the ventral and dorsal visual streams revealed using fMRI. Journal of Vision, 2010, 2, 45-45.	0.3	0
124	Visual and haptic object priming have a similar effect on fMRI activation in extra-striate cortex james@cerco.ups-tlse.fr. Journal of Vision, 2010, 1, 483-483.	0.3	0
125	Afterimages and pursuit: refining Helmholtz's theory of visual motion perception. Journal of Vision, 2010, 3, 602-602.	0.3	0
126	Neuroimaging Demonstration of Evolving Small Vessel Ischemic Injury in Cerebral Amyloid Angiopathy. Stroke, 2009, 40, e675-7.	2.0	32

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127	Longitudinal 4.0ÂTesla 31P magnetic resonance spectroscopy changes in the anterior cingulate and left thalamus in first episode schizophrenia. Psychiatry Research - Neuroimaging, 2009, 173, 155-157.	1.8	17
128	Optimized MRI contrast for onâ€resonance proton exchange processes of PARACEST agents in biological systems. Magnetic Resonance in Medicine, 2009, 62, 1282-1291.	3.0	7
129	BOLD fMRI activation for anti-saccades in nonhuman primates. NeuroImage, 2009, 45, 470-476.	4.2	50
130	A sensitive PARACEST contrast agent for temperature MRI: Eu³⁺â€ĐOTAMâ€glycine (Gly)â€phenylalanine (Phe). Magnetic Resonance in Medicine, 2008, 59, 374-381.	3.0	106
131	Functional MRI of oropharyngeal air-pulse stimulation. Neuroscience, 2008, 153, 1300-1308.	2.3	79
132	Hybrid two-dimensional navigator correction: A new technique to suppress respiratory-induced physiological noise in multi-shot echo-planar functional MRI. NeuroImage, 2008, 39, 1142-1150.	4.2	21
133	Connectivity of the Primate Superior Colliculus Mapped by Concurrent Microstimulation and Event-Related fMRI. PLoS ONE, 2008, 3, e3928.	2.5	30
134	Forebrain regions associated with postexercise differences in autonomic and cardiovascular function during baroreceptor unloading. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H299-H306.	3.2	25
135	Forebrain neural patterns associated with sex differences in autonomic and cardiovascular function during baroreceptor unloading. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R715-R722.	1.8	46
136	Longitudinal grey-matter and glutamatergic losses in first-episode schizophrenia. British Journal of Psychiatry, 2007, 191, 325-334.	2.8	176
137	Sex differences in forebrain and cardiovagal responses at the onset of isometric handgrip exercise: a retrospective fMRI study. Journal of Applied Physiology, 2007, 103, 1402-1411.	2.5	62
138	Ventral medial prefrontal cortex and cardiovagal control in conscious humans. NeuroImage, 2007, 35, 698-708.	4.2	194
139	NMR Simulation Analysis of Statistical Effects on Quantifying Cerebrovascular Parameters. Biophysical Journal, 2007, 92, 1014-1021.	0.5	17
140	Perirhinal and hippocampal contributions to visual recognition memory can be distinguished from those of occipitoâ€temporal structures based on conscious awareness of prior occurrence. Hippocampus, 2007, 17, 1081-1092.	1.9	38
141	Transceive surface coil array for MRI of the human prostate at 4T. Magnetic Resonance in Medicine, 2007, 57, 455-458.	3.0	14
142	Theoretical and Experimental Optimization of Laser Speckle Contrast Imaging for High Specificity to Brain Microcirculation. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 258-269.	4.3	105
143	EEG Monitoring during Functional MRI in Animal Models. Epilepsia, 2007, 48, 37-46.	5.1	28
144	Linear aspects of transformation from interictal epileptic discharges to BOLD fMRI signals in an animal model of occipital epilepsy. NeuroImage, 2006, 30, 1133-1148.	4.2	30

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145	Robust prescan calibration for multiple spin-echo sequences: application to FSE and b-SSFP. Magnetic Resonance Imaging, 2006, 24, 857-867.	1.8	12
146	Cerebral cortical processing of swallowing in older adults. Experimental Brain Research, 2006, 176, 12-22.	1.5	109
147	Grey and white matter differences in brain energy metabolism in first episode schizophrenia: 31P-MRS chemical shift imaging at 4 Tesla. Psychiatry Research - Neuroimaging, 2006, 146, 127-135.	1.8	50
148	Relaxometry model of strong dipolar perturbers for balanced-SSFP: Application to quantification of SPIO loaded cells. Magnetic Resonance in Medicine, 2006, 55, 583-591.	3.0	19
149	SENSE optimization of a transceive surface coil array for MRI at 4 T. Magnetic Resonance in Medicine, 2006, 56, 630-636.	3.0	10
150	Representation of Head-Centric Flow in the Human Motion Complex. Journal of Neuroscience, 2006, 26, 5616-5627.	3.6	44
151	Physiological monitoring of small animals during magnetic resonance imaging. Journal of Neuroscience Methods, 2005, 144, 207-213.	2.5	18
152	Cortical regions associated with autonomic cardiovascular regulation during lower body negative pressure in humans. Journal of Physiology, 2005, 569, 331-345.	2.9	185
153	Learning-related fMRI activation associated with a rotational visuo-motor transformation. Cognitive Brain Research, 2005, 22, 373-383.	3.0	93
154	Novelty responses to relational and non-relational information in the hippocampus and the parahippocampal region: A comparison based on event-related fMRI. Hippocampus, 2005, 15, 763-774.	1.9	149
155	Implementation issues of multivoxel STEAM-localized1H spectroscopy. Magnetic Resonance in Medicine, 2005, 53, 713-718.	3.0	12
156	Real-time display of artifact-free electroencephalography during functional magnetic resonance imaging and magnetic resonance spectroscopy in an animal model of epilepsy. Magnetic Resonance in Medicine, 2005, 53, 456-464.	3.0	27
157	Transceive surface coil array for magnetic resonance imaging of the human brain at 4 T. Magnetic Resonance in Medicine, 2005, 54, 499-503.	3.0	45
158	Modeling and suppression of respiration-related physiological noise in echo-planar functional magnetic resonance imaging using global and one-dimensional navigator echo correction. Magnetic Resonance in Medicine, 2005, 54, 411-418.	3.0	29
159	Discrete functional contributions of cerebral cortical foci in voluntary swallowing: a functional magnetic resonance imaging (fMRI) ?Go, No-Go? study. Experimental Brain Research, 2005, 161, 81-90.	1.5	84
160	Functional connectivity of dissociative responses in posttraumatic stress disorder: A functional magnetic resonance imaging investigation. Biological Psychiatry, 2005, 57, 873-884.	1.3	238
161	A 4.0-T fMRI study of brain connectivity during word fluency in first-episode schizophrenia. Schizophrenia Research, 2005, 75, 247-263.	2.0	124
162	The Nature of Traumatic Memories: A 4-T fMRI Functional Connectivity Analysis. American Journal of Psychiatry, 2004, 161, 36-44.	7.2	224

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163	Behavioral and Neuroimaging Evidence for a Contribution of Color and Texture Information to Scene Classification in a Patient with Visual Form Agnosia. Journal of Cognitive Neuroscience, 2004, 16, 955-965.	2.3	80
164	Focal changes in brain energy and phospholipid metabolism in first-episode schizophrenia. British Journal of Psychiatry, 2004, 184, 409-415.	2.8	51
165	Spared somatomotor and cognitive functions in a patient with a large porencephalic cyst revealed by fMRI. Neuropsychologia, 2004, 42, 405-418.	1.6	9
166	Duration of untreated psychosis vs. N-acetylaspartate and choline in first episode schizophrenia: a 1H magnetic resonance spectroscopy study at 4.0 Tesla. Psychiatry Research - Neuroimaging, 2004, 131, 107-114.	1.8	46
167	Comparative study of proton and phosphorus magnetic resonance spectroscopy in schizophrenia at 4 Tesla. Psychiatry Research - Neuroimaging, 2004, 132, 33-39.	1.8	21
168	Noise properties of a NMR transceiver coil array. Journal of Magnetic Resonance, 2004, 171, 151-156.	2.1	22
169	Sodium T2*-weighted MR imaging of acute focal cerebral ischemia in rabbits. Magnetic Resonance Imaging, 2004, 22, 983-991.	1.8	20
170	Human cardiovascular and gustatory brainstem sites observed by functional magnetic resonance imaging. Journal of Comparative Neurology, 2004, 471, 446-461.	1.6	62
171	Robust automated shimming technique using arbitrary mapping acquisition parameters (RASTAMAP). Magnetic Resonance in Medicine, 2004, 51, 881-887.	3.0	83
172	Long component time constant of23NaT*2 relaxation in healthy human brain. Magnetic Resonance in Medicine, 2004, 52, 407-410.	3.0	32
173	Cerebral Areas Processing Swallowing and Tongue Movement Are Overlapping but Distinct: A Functional Magnetic Resonance Imaging Study. Journal of Neurophysiology, 2004, 92, 2428-2443.	1.8	252
174	Comparison of Memory- and Visually Guided Saccades Using Event-Related fMRI. Journal of Neurophysiology, 2004, 91, 873-889.	1.8	99
175	Visually guided grasping produces fMRI activation in dorsal but not ventral stream brain areas. Experimental Brain Research, 2003, 153, 180-189.	1.5	636
176	An MRI study of subgenual prefrontal cortex in patients with familial and non-familial bipolar I disorder. Journal of Affective Disorders, 2003, 77, 167-171.	4.1	73
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