

Ravi S Menon

List of Publications by Year in descending order

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Version: 2024-02-01

250
papers

25,670
citations

10351

72
h-index

7333

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. <i>Cerebral Cortex</i> , 2022, 32, 1965-1977.	1.6	1
2	Toward next-generation primate neuroscience: A collaboration-based strategic plan for integrative neuroimaging. <i>Neuron</i> , 2022, 110, 16-20.	3.8	22
3	An open access resource for functional brain connectivity from fully awake marmosets. <i>NeuroImage</i> , 2022, 252, 119030.	2.1	23
4	Integration of an RF coil and commercial field camera for ultrahigh-field MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2551-2565.	1.9	5
5	Effects of MP2RAGE B1+ sensitivity on inter-site T1 reproducibility and hippocampal morphometry at 7T. <i>NeuroImage</i> , 2021, 224, 117373.	2.1	17
6	Radiofrequency coil for routine ultra-high-field imaging with an unobstructed visual field. <i>NMR in Biomedicine</i> , 2021, 34, e4457.	1.6	18
7	Schrodinger filtering: a precise EEG despiking technique for EEG-fMRI gradient artifact. <i>NeuroImage</i> , 2021, 226, 117525.	2.1	8
8	Normative Analysis of Individual Brain Differences Based on a Population MRI-Based Atlas of <i>Cynomolgus</i> Macaques. <i>Cerebral Cortex</i> , 2021, 31, 341-355.	1.6	12
9	Effects of phase regression on high-resolution functional MRI of the primary visual cortex. <i>NeuroImage</i> , 2021, 227, 117631.	2.1	15
10	Neural network of social interaction observation in marmosets. <i>ELife</i> , 2021, 10, .	2.8	22
11	Repetitive mild traumatic brain injury in mice triggers a slowly developing cascade of long-term and persistent behavioral deficits and pathological changes. <i>Acta Neuropathologica Communications</i> , 2021, 9, 60.	2.4	31
12	Muting, not fragmentation, of functional brain networks under general anesthesia. <i>NeuroImage</i> , 2021, 231, 117830.	2.1	14
13	Structural alterations in cortical and thalamocortical white matter tracts after recovery from prefrontal cortex lesions in macaques. <i>NeuroImage</i> , 2021, 232, 117919.	2.1	2
14	Automatic determination of the regularization weighting for wavelet-based compressed sensing MRI reconstructions. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1403-1419.	1.9	14
15	Author Response: Longitudinal Changes of Brain Microstructure and Function in Nonconcussed Female Rugby Players. <i>Neurology</i> , 2021, 96, 968.2-969.	1.5	0
16	Concussion Acutely Decreases Plasma Glycerophospholipids in Adolescent Male Athletes. <i>Journal of Neurotrauma</i> , 2021, 38, 1608-1614.	1.7	9
17	Mesoscale hierarchical organization of primary somatosensory cortex captured by resting-state-fMRI in humans. <i>NeuroImage</i> , 2021, 235, 118031.	2.1	14
18	Receiver phase alignment using fitted SVD derived sensitivities from routine prescans. <i>PLoS ONE</i> , 2021, 16, e0256700.	1.1	0

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19	Minimal specifications for non-human primate MRI: Challenges in standardizing and harmonizing data collection. <i>NeuroImage</i> , 2021, 236, 118082.	2.1	22
20	Interspecies activation correlations reveal functional correspondences between marmoset and human brain areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
21	Protocol-dependence of middle cerebral artery dilation to modest hypercapnia. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1038-1046.	0.9	6
22	Simultaneous functional MRI of two awake marmosets. <i>Nature Communications</i> , 2021, 12, 6608.	5.8	15
23	Putative Concussion Biomarkers Identified in Adolescent Male Athletes Using Targeted Plasma Proteomics. <i>Frontiers in Neurology</i> , 2021, 12, 787480.	1.1	3
24	Comparison of resting-state functional connectivity in marmosets with tracer-based cellular connectivity. <i>NeuroImage</i> , 2020, 204, 116241.	2.1	50
25	Using variable-rate selective excitation (VERSE) radiofrequency pulses to reduce power deposition in pulsed arterial spin labeling sequence at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 645-652.	1.9	5
26	Functional reorganization during the recovery of contralesional target selection deficits after prefrontal cortex lesions in macaque monkeys. <i>NeuroImage</i> , 2020, 207, 116339.	2.1	14
27	Direct visualization and characterization of the human zona incerta and surrounding structures. <i>Human Brain Mapping</i> , 2020, 41, 4500-4517.	1.9	21
28	Brain Metabolite Levels in Sedentary Women and Non-contact Athletes Differ From Contact Athletes. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 593498.	1.0	5
29	Divergence of rodent and primate medial frontal cortex functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21681-21689.	3.3	76
30	Cortico-Subcortical Functional Connectivity Profiles of Resting-State Networks in Marmosets and Humans. <i>Journal of Neuroscience</i> , 2020, 40, 9236-9249.	1.7	25
31	Elimination of low-inversion efficiency induced artifacts in whole-brain MP2RAGE using multiple RF shim configurations at 7 T. <i>NMR in Biomedicine</i> , 2020, 33, e4387.	1.6	1
32	Dynamic Reconfiguration, Fragmentation, and Integration of Whole-Brain Modular Structure across Depths of Unconsciousness. <i>Cerebral Cortex</i> , 2020, 30, 5229-5241.	1.6	12
33	Looming and receding visual networks in awake marmosets investigated with fMRI. <i>NeuroImage</i> , 2020, 215, 116815.	2.1	26
34	Longitudinal changes of brain microstructure and function in nonconcussed female rugby players. <i>Neurology</i> , 2020, 95, e402-e412.	1.5	20
35	Altered Resting-State Functional Connectivity Between Awake and Isoflurane Anesthetized Marmosets. <i>Cerebral Cortex</i> , 2020, 30, 5943-5959.	1.6	36
36	Demonstration and suppression of respiration-related artifacts in Bloch-Siebert shift-based B1 + maps of the human brain. <i>NMR in Biomedicine</i> , 2020, 33, e4299.	1.6	1

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37	Accelerating the Evolution of Nonhuman Primate Neuroimaging. <i>Neuron</i> , 2020, 105, 600-603.	3.8	92
38	Face selective patches in marmoset frontal cortex. <i>Nature Communications</i> , 2020, 11, 4856.	5.8	34
39	Task-based fMRI of a free-viewing visuo-saccadic network in the marmoset monkey. <i>NeuroImage</i> , 2019, 202, 116147.	2.1	35
40	Resonate: Reflections and recommendations on implicit biases within the ISMRM. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1509-1511.	1.9	1
41	Comparison of Multiple Sclerosis Cortical Lesion Types Detected by Multicontrast 3T and 7T MRI. <i>American Journal of Neuroradiology</i> , 2019, 40, 1162-1169.	1.2	34
42	Integrated radiofrequency array and animal holder design for minimizing head motion during awake marmoset functional magnetic resonance imaging. <i>NeuroImage</i> , 2019, 193, 126-138.	2.1	45
43	Shape Optimization of an Electric Dipole Array for 7 Tesla Neuroimaging. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2177-2187.	5.4	25
44	Exploring the limits of network topology estimation using diffusion-based tractography and tracer studies in the macaque cortex. <i>NeuroImage</i> , 2019, 191, 81-92.	2.1	28
45	Imaging outcome measures of neuroprotection and repair in MS. <i>Neurology</i> , 2019, 92, 519-533.	1.5	53
46	Linked MRI signatures of the brain's acute and persistent response to concussion in female varsity rugby players. <i>NeuroImage: Clinical</i> , 2019, 21, 101627.	1.4	19
47	Intrinsic functional clustering of anterior cingulate cortex in the common marmoset. <i>NeuroImage</i> , 2019, 186, 301-307.	2.1	25
48	Open-source hardware designs for MRI of mice, rats, and marmosets: Integrated animal holders and radiofrequency coils. <i>Journal of Neuroscience Methods</i> , 2019, 312, 65-72.	1.3	20
49	Intrinsic Functional Boundaries of Lateral Frontal Cortex in the Common Marmoset Monkey. <i>Journal of Neuroscience</i> , 2019, 39, 1020-1029.	1.7	26
50	Magnetic field probes for time-domain monitoring of RF exposure within tissue-mimicking materials for MRI-compatible medical device testing. <i>Electronics Letters</i> , 2018, 54, 16-18.	0.5	12
51	Reduced brain glutamine in female varsity rugby athletes after concussion and in non-concussed athletes after a season of play. <i>Human Brain Mapping</i> , 2018, 39, 1489-1499.	1.9	24
52	Prediction of radiation necrosis in a rodent model using magnetic resonance imaging apparent transverse relaxation (R_2^*). <i>Physics in Medicine and Biology</i> , 2018, 63, 035010.	1.6	6
53	Higher order thalamic nuclei resting network connectivity in early schizophrenia and major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2018, 272, 7-16.	0.9	20
54	Apparent transverse relaxation (R_2^*) on MRI as a method to differentiate treatment effect (pseudoprogression) versus progressive disease in chemoradiation for malignant glioma. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 224-231.	0.9	5

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55	An Open Resource for Non-human Primate Imaging. <i>Neuron</i> , 2018, 100, 61-74.e2.	3.8	190
56	Concentric radiofrequency arrays to increase the statistical power of resting-state maps in monkeys. <i>NeuroImage</i> , 2018, 178, 287-294.	2.1	9
57	In vivo manganese tract tracing of frontal eye fields in rhesus macaques with ultra-high field MRI: Comparison with DWI tractography. <i>NeuroImage</i> , 2018, 181, 211-218.	2.1	12
58	Editorial Focus on "Invariant and heritable local cortical organization as revealed by fMRI" <i>Journal of Neurophysiology</i> , 2018, 120, 758-759.	0.9	0
59	Morphology-Specific Discrimination between MS White Matter Lesions and Benign White Matter Hyperintensities Using Ultra-High-Field MRI. <i>American Journal of Neuroradiology</i> , 2018, 39, 1473-1479.	1.2	21
60	Exogenous Neural Precursor Cell Transplantation Results in Structural and Functional Recovery in a Hypoxic-Ischemic Hemiplegic Mouse Model. <i>ENeuro</i> , 2018, 5, ENEURO.0369-18.2018.	0.9	20
61	Frontoparietal Functional Connectivity in the Common Marmoset. <i>Cerebral Cortex</i> , 2017, 27, 3890-3905.	1.6	78
62	Susceptibility-weighted imaging using inter-echo variance channel combination for improved contrast at 7 tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1113-1124.	1.9	4
63	A geometrically adjustable receive array for imaging marmoset cohorts. <i>NeuroImage</i> , 2017, 156, 78-86.	2.1	14
64	Diffusion-weighted tractography in the common marmoset monkey at 9.4T. <i>Journal of Neurophysiology</i> , 2017, 118, 1344-1354.	0.9	25
65	Swallowing Preparation and Execution: Insights from a Delayed-Response Functional Magnetic Resonance Imaging (fMRI) Study. <i>Dysphagia</i> , 2017, 32, 526-541.	1.0	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. <i>American Journal of Neuroradiology</i> , 2017, 38, 2251-2256.	1.2	13
67	Reliable RF B/E-Field Probes for Time-Domain Monitoring of EM Exposure During Medical Device Testing. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 4815-4823.	3.1	18
68	Multiparametric MRI changes persist beyond recovery in concussed adolescent hockey players. <i>Neurology</i> , 2017, 89, 2157-2166.	1.5	83
69	Spontaneous low frequency BOLD signal variations from resting-state fMRI are decreased in Alzheimer disease. <i>PLoS ONE</i> , 2017, 12, e0178529.	1.1	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. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 132.	1.0	43
71	General Coupling Matrix Synthesis for Decoupling MRI RF Arrays. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2229-2242.	5.4	7
72	Metabolomics profiling of concussion in adolescent male hockey players: a novel diagnostic method. <i>Metabolomics</i> , 2016, 12, 1.	1.4	43

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73	Optimized parallel transmit and receive radiofrequency coil for ultrahigh-field MRI of monkeys. <i>NeuroImage</i> , 2016, 125, 153-161.	2.1	39
74	The Evaluation of Magnesium Chloride within a Polyethylene Glycol Formulation in a Porcine Model of Acute Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 2202-2216.	1.7	21
75	Neuroplastic Sensorimotor Resting State Network Reorganization in Children With Hemiplegic Cerebral Palsy Treated With Constraint-Induced Movement Therapy. <i>Journal of Child Neurology</i> , 2016, 31, 220-226.	0.7	27
76	Inter-echo variance as a weighting factor for multi-echo combination in multi-echo acquisition for local frequency shift mapping. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1654-1661.	1.9	6
77	High Rate of Microbleed Formation following Primary Intracerebral Hemorrhage. <i>International Journal of Stroke</i> , 2015, 10, 1187-1191.	2.9	7
78	Design of a Parallel Transmit Head Coil at 7T With Magnetic Wall Distributed Filters. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 836-845.	5.4	31
79	Resting State and Diffusion Neuroimaging Predictors of Clinical Improvements Following Constraint-Induced Movement Therapy in Children With Hemiplegic Cerebral Palsy. <i>Journal of Child Neurology</i> , 2015, 30, 1507-1514.	0.7	26
80	MRI RF Array Decoupling Method With Magnetic Wall Distributed Filters. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 825-835.	5.4	28
81	Electrophysiological signatures of spontaneous BOLD fluctuations in macaque prefrontal cortex. <i>NeuroImage</i> , 2015, 113, 257-267.	2.1	38
82	Functional Imaging of Auditory Cortex in Adult Cats using High-field fMRI. <i>Journal of Visualized Experiments</i> , 2014, , e50872.	0.2	2
83	Origins of $\langle R^2 \rangle$ orientation dependence in gray and white matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E159-67.	3.3	54
84	Highcor: A novel data-driven regressor identification method for BOLD fMRI. <i>NeuroImage</i> , 2014, 98, 184-194.	2.1	11
85	Multiple Sclerosis: Improved Identification of Disease-relevant Changes in Gray and White Matter by Using Susceptibility-based MR Imaging. <i>Radiology</i> , 2014, 272, 851-864.	3.6	50
86	Comparison of Multiecho Postprocessing Schemes for SWI with Use of Linear and Nonlinear Mask Functions. <i>American Journal of Neuroradiology</i> , 2014, 35, 38-44.	1.2	11
87	Increased deep gray matter iron is present in clinically isolated syndromes. <i>Multiple Sclerosis and Related Disorders</i> , 2014, 3, 194-202.	0.9	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. <i>Journal of Neuroscience Methods</i> , 2014, 224, 96-106.	1.3	25
89	Identification of Optimal Structural Connectivity Using Functional Connectivity and Neural Modeling. <i>Journal of Neuroscience</i> , 2014, 34, 7910-7916.	1.7	138
90	Phase based venous suppression in resting-state BOLD GE-fMRI. <i>NeuroImage</i> , 2014, 100, 51-59.	2.1	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. <i>Human Brain Mapping</i> , 2014, 35, 5754-5775.	1.9	122
92	Resting-state networks show dynamic functional connectivity in awake humans and anesthetized macaques. <i>Human Brain Mapping</i> , 2013, 34, 2154-2177.	1.9	667
93	Reply. <i>Annals of Neurology</i> , 2013, 73, 797-797.	2.8	0
94	Characterization of the blood-oxygen level-dependent (BOLD) response in cat auditory cortex using high-field fMRI. <i>NeuroImage</i> , 2013, 64, 458-465.	2.1	25
95	Venocentric Lesions: An MRI Marker of MS?. <i>Frontiers in Neurology</i> , 2013, 4, 98.	1.1	13
96	Analysis of circumferential shielding as a method to decouple radiofrequency coils for high-field MRI. <i>Concepts in Magnetic Resonance Part B</i> , 2013, 43B, 11-21.	0.3	5
97	A low-cost, mechanically simple apparatus for measuring eddy current-induced magnetic fields in MRI. <i>NMR in Biomedicine</i> , 2013, 26, 1285-1290.	1.6	2
98	Simultaneous in vivo pH and temperature mapping using a PARACEST MRI contrast agent. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1016-1025.	1.9	66
99	Functional connectivity patterns of medial and lateral macaque frontal eye fields reveal distinct visuomotor networks. <i>Journal of Neurophysiology</i> , 2013, 109, 2560-2570.	0.9	30
100	Functional connectivity of the frontal eye fields in humans and macaque monkeys investigated with resting-state fMRI. <i>Journal of Neurophysiology</i> , 2012, 107, 2463-2474.	0.9	112
101	Poor Long-Term Blood Pressure Control After Intracerebral Hemorrhage. <i>Stroke</i> , 2012, 43, 2580-2585.	1.0	27
102	Mental chronometry. <i>NeuroImage</i> , 2012, 62, 1068-1071.	2.1	12
103	Information Processing Architecture of Functionally Defined Clusters in the Macaque Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 17465-17476.	1.7	106
104	The great brain versus vein debate. <i>NeuroImage</i> , 2012, 62, 970-974.	2.1	43
105	Resting-State Connectivity Identifies Distinct Functional Networks in Macaque Cingulate Cortex. <i>Cerebral Cortex</i> , 2012, 22, 1294-1308.	1.6	61
106	A conformal transceive array for 7 T neuroimaging. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1487-1496.	1.9	51
107	Slice-by-slice B_1 shimming at 7 T. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1109-1116.	1.9	58
108	Progressive membrane phospholipid changes in first episode schizophrenia with high field magnetic resonance spectroscopy. <i>Psychiatry Research - Neuroimaging</i> , 2012, 201, 25-33.	0.9	18

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109	Predictors of highly prevalent brain ischemia in intracerebral hemorrhage. <i>Annals of Neurology</i> , 2012, 71, 199-205.	2.8	119
110	Resting-state networks in the macaque at 7T. <i>NeuroImage</i> , 2011, 56, 1546-1555.	2.1	131
111	A radiofrequency coil to facilitate <i>B₁</i> shimming and parallel imaging acceleration in three dimensions at 7 T. <i>NMR in Biomedicine</i> , 2011, 24, 815-823.	1.6	41
112	A Canadian Perspective on Ethics Review and Neuroimaging: Tensions and Solutions. <i>Canadian Journal of Neurological Sciences</i> , 2011, 38, 572-579.	0.3	5
113	Grey matter and social functioning correlates of glutamatergic metabolite loss in schizophrenia. <i>British Journal of Psychiatry</i> , 2011, 198, 448-456.	1.7	103
114	In vivo detection of MRI <i>PARACEST</i> agents in mouse brain tumors at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 67-72.	1.9	30
115	Elimination of the Vesicular Acetylcholine Transporter in the Striatum Reveals Regulation of Behaviour by Cholinergic-Glutamatergic Co-Transmission. <i>PLoS Biology</i> , 2011, 9, e1001194.	2.6	80
116	Evaluation of preprocessing steps to compensate for magnetic field distortions due to body movements in BOLD fMRI. <i>Magnetic Resonance Imaging</i> , 2010, 28, 235-244.	1.0	31
117	In vivo detection of <i>PARACEST</i> agents with relaxation correction. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1184-1192.	1.9	20
118	Transmit/receive radiofrequency coil with individually shielded elements. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1640-1651.	1.9	29
119	A cradle-shaped gradient coil to expand the clear-bore width of an animal MRI scanner. <i>Physics in Medicine and Biology</i> , 2010, 55, 497-514.	1.6	4
120	Visually-guided grasping produces fMRI activation in dorsal but not ventral stream brain areas. <i>Journal of Vision</i> , 2010, 1, 194-194.	0.1	2
121	Scene classification and parahippocampal place area activation in an individual with visual form agnosia. <i>Journal of Vision</i> , 2010, 2, 495-495.	0.1	3
122	Areas active during a pointing but not a saccade delay are medial to saccade-and-pointing network. <i>Journal of Vision</i> , 2010, 1, 265-265.	0.1	0
123	Differing viewpoint effects in the ventral and dorsal visual streams revealed using fMRI. <i>Journal of Vision</i> , 2010, 2, 45-45.	0.1	0
124	Visual and haptic object priming have a similar effect on fMRI activation in extra-striate cortex james@cerco.ups-tlse.fr. <i>Journal of Vision</i> , 2010, 1, 483-483.	0.1	0
125	Afterimages and pursuit: refining Helmholtz's theory of visual motion perception. <i>Journal of Vision</i> , 2010, 3, 602-602.	0.1	0
126	Neuroimaging Demonstration of Evolving Small Vessel Ischemic Injury in Cerebral Amyloid Angiopathy. <i>Stroke</i> , 2009, 40, e675-7.	1.0	32

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127	Longitudinal 4.0-Tesla 31P magnetic resonance spectroscopy changes in the anterior cingulate and left thalamus in first episode schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2009, 173, 155-157.	0.9	17
128	Optimized MRI contrast for on-resonance proton exchange processes of PARACEST agents in biological systems. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1282-1291.	1.9	7
129	BOLD fMRI activation for anti-saccades in nonhuman primates. <i>NeuroImage</i> , 2009, 45, 470-476.	2.1	50
130	A sensitive PARACEST contrast agent for temperature MRI: Eu ³⁺ -DOTAM-glycine (Gly)-phenylalanine (Phe). <i>Magnetic Resonance in Medicine</i> , 2008, 59, 374-381.	1.9	106
131	Functional MRI of oropharyngeal air-pulse stimulation. <i>Neuroscience</i> , 2008, 153, 1300-1308.	1.1	79
132	Hybrid two-dimensional navigator correction: A new technique to suppress respiratory-induced physiological noise in multi-shot echo-planar functional MRI. <i>NeuroImage</i> , 2008, 39, 1142-1150.	2.1	21
133	Connectivity of the Primate Superior Colliculus Mapped by Concurrent Microstimulation and Event-Related fMRI. <i>PLoS ONE</i> , 2008, 3, e3928.	1.1	30
134	Forebrain regions associated with postexercise differences in autonomic and cardiovascular function during baroreceptor unloading. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H299-H306.	1.5	25
135	Forebrain neural patterns associated with sex differences in autonomic and cardiovascular function during baroreceptor unloading. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R715-R722.	0.9	46
136	Longitudinal grey-matter and glutamatergic losses in first-episode schizophrenia. <i>British Journal of Psychiatry</i> , 2007, 191, 325-334.	1.7	176
137	Sex differences in forebrain and cardiovagal responses at the onset of isometric handgrip exercise: a retrospective fMRI study. <i>Journal of Applied Physiology</i> , 2007, 103, 1402-1411.	1.2	62
138	Ventral medial prefrontal cortex and cardiovagal control in conscious humans. <i>NeuroImage</i> , 2007, 35, 698-708.	2.1	194
139	NMR Simulation Analysis of Statistical Effects on Quantifying Cerebrovascular Parameters. <i>Biophysical Journal</i> , 2007, 92, 1014-1021.	0.2	17
140	Perirhinal and hippocampal contributions to visual recognition memory can be distinguished from those of occipito-temporal structures based on conscious awareness of prior occurrence. <i>Hippocampus</i> , 2007, 17, 1081-1092.	0.9	38
141	Transceive surface coil array for MRI of the human prostate at 4T. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 455-458.	1.9	14
142	Theoretical and Experimental Optimization of Laser Speckle Contrast Imaging for High Specificity to Brain Microcirculation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 258-269.	2.4	105
143	EEG Monitoring during Functional MRI in Animal Models. <i>Epilepsia</i> , 2007, 48, 37-46.	2.6	28
144	Linear aspects of transformation from interictal epileptic discharges to BOLD fMRI signals in an animal model of occipital epilepsy. <i>NeuroImage</i> , 2006, 30, 1133-1148.	2.1	30

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145	Robust prescan calibration for multiple spin-echo sequences: application to FSE and b-SSFP. <i>Magnetic Resonance Imaging</i> , 2006, 24, 857-867.	1.0	12
146	Cerebral cortical processing of swallowing in older adults. <i>Experimental Brain Research</i> , 2006, 176, 12-22.	0.7	109
147	Grey and white matter differences in brain energy metabolism in first episode schizophrenia: 31P-MRS chemical shift imaging at 4 Tesla. <i>Psychiatry Research - Neuroimaging</i> , 2006, 146, 127-135.	0.9	50
148	Relaxometry model of strong dipolar perturbers for balanced-SSFP: Application to quantification of SPIO loaded cells. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 583-591.	1.9	19
149	SENSE optimization of a transceive surface coil array for MRI at 4 T. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 630-636.	1.9	10
150	Representation of Head-Centric Flow in the Human Motion Complex. <i>Journal of Neuroscience</i> , 2006, 26, 5616-5627.	1.7	44
151	Physiological monitoring of small animals during magnetic resonance imaging. <i>Journal of Neuroscience Methods</i> , 2005, 144, 207-213.	1.3	18
152	Cortical regions associated with autonomic cardiovascular regulation during lower body negative pressure in humans. <i>Journal of Physiology</i> , 2005, 569, 331-345.	1.3	185
153	Learning-related fMRI activation associated with a rotational visuo-motor transformation. <i>Cognitive Brain Research</i> , 2005, 22, 373-383.	3.3	93
154	Novelty responses to relational and non-relational information in the hippocampus and the parahippocampal region: A comparison based on event-related fMRI. <i>Hippocampus</i> , 2005, 15, 763-774.	0.9	149
155	Implementation issues of multivoxel STEAM-localized 1H spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 713-718.	1.9	12
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