

Pratik Mukherjee

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

17,079
citations

17776

65
h-index

18400

124
g-index

178
all docs

178
docs citations

178
times ranked

19550
citing authors

#	ARTICLE	IF	CITATIONS
1	Trajectories of Insomnia in Adults After Traumatic Brain Injury. JAMA Network Open, 2022, 5, e2145310.	2.8	12
2	Personalized Connectome-Based Modeling in Patients with Semi-Acute Phase TBI: Relationship to Acute Neuroimaging and 6 Month Follow-Up. ENeuro, 2022, 9, ENEURO.0075-21.2022.	0.9	6
3	The Case for Optimized Edge-Centric Tractography at Scale. Frontiers in Neuroinformatics, 2022, 16, .	1.3	2
4	Diffusion Tensor Imaging Reveals Elevated Diffusivity of White Matter Microstructure that Is Independently Associated with Long-Term Outcome after Mild Traumatic Brain Injury: A TRACK-TBI Study. Journal of Neurotrauma, 2022, 39, 1318-1328.	1.7	23
5	Biomarkers for Traumatic Brain Injury: Data Standards and Statistical Considerations. Journal of Neurotrauma, 2021, 38, 2514-2529.	1.7	23
6	Satisfaction with Life after Mild Traumatic Brain Injury: A TRACK-TBI Study. Journal of Neurotrauma, 2021, 38, 546-554.	1.7	24
7	High-Sensitivity C-Reactive Protein is a Prognostic Biomarker of Six-Month Disability after Traumatic Brain Injury: Results from the TRACK-TBI Study. Journal of Neurotrauma, 2021, 38, 918-927.	1.7	33
8	Smaller Regional Brain Volumes Predict Posttraumatic Stress Disorder at 3 Months After Mild Traumatic Brain Injury. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 352-359.	1.1	8
9	Predictors of six-month inability to return to work in previously employed subjects after mild traumatic brain injury: A TRACK-TBI pilot study. Journal of Concussion, 2021, 5, 205970022110072.	0.2	4
10	A quantitative approach for measuring laterality in clinical fMRI for preoperative language mapping. Neuroradiology, 2021, 63, 1489-1500.	1.1	0
11	Cognitive impairment after focal brain lesions is better predicted by damage to structural than functional network hubs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	42
12	Tractography-Pathology Correlations in Traumatic Brain Injury: A TRACK-TBI Study. Journal of Neurotrauma, 2021, 38, 1620-1631.	1.7	9
13	Prognostic Value of Hemorrhagic Brainstem Injury on Early Computed Tomography: A TRACK-TBI Study. Neurocritical Care, 2021, 35, 335-346.	1.2	4
14	Interrater Reliability of National Institutes of Health Traumatic Brain Injury Imaging Common Data Elements for Brain Magnetic Resonance Imaging in Mild Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 2831-2840.	1.7	2
15	Diffusion MRI Automated Region of Interest Analysis in Standard Atlas Space versus the Individual's Native Space. Lecture Notes in Computer Science, 2021, , 109-120.	1.0	2
16	Association of Posttraumatic Epilepsy With 1-Year Outcomes After Traumatic Brain Injury. JAMA Network Open, 2021, 4, e2140191.	2.8	18
17	Abnormal Auditory Mismatch Fields in Children and Adolescents With 16p11.2 Deletion and 16p11.2 Duplication. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 942-950.	1.1	1
18	Concussion Disrupts Normal Brain White Matter Microstructural Symmetry. Frontiers in Neurology, 2020, 11, 548220.	1.1	7

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19	The evolution of white matter microstructural changes after mild traumatic brain injury: A longitudinal DTI and NODDI study. <i>Science Advances</i> , 2020, 6, eaaz6892.	4.7	106
20	Polytrauma Is Associated with Increased Three- and Six-Month Disability after Traumatic Brain Injury: A TRACK-TBI Pilot Study. <i>Neurotrauma Reports</i> , 2020, 1, 32-41.	0.5	14
21	Atypical Presentation of Severe Posterior Reversible Encephalopathy Syndrome: An Important Diagnosis in Neurocritical Care. <i>Journal of Neurosciences in Rural Practice</i> , 2020, 11, 676-677.	0.3	0
22	Data-science ready, multisite, human diffusion MRI white-matter-tract statistics. <i>Scientific Data</i> , 2020, 7, 422.	2.4	11
23	Substance use on admission toxicology screen is associated with peri-injury factors and six-month outcome after traumatic brain injury: A TRACK-TBI Pilot study. <i>Journal of Clinical Neuroscience</i> , 2020, 75, 149-156.	0.8	6
24	Spectral graph theory of brain oscillations. <i>Human Brain Mapping</i> , 2020, 41, 2980-2998.	1.9	46
25	Connectome mapping with edge density imaging differentiates pediatric mild traumatic brain injury from typically developing controls: proof of concept. <i>Pediatric Radiology</i> , 2020, 50, 1594-1601.	1.1	15
26	Altered Cerebellar White Matter in Sensory Processing Dysfunction Is Associated With Impaired Multisensory Integration and Attention. <i>Frontiers in Psychology</i> , 2020, 11, 618436.	1.1	8
27	Longitudinal Resting State Functional Connectivity Predicts Clinical Outcome in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 650-660.	1.7	45
28	Longitudinal increases in structural connectome segregation and functional connectome integration are associated with better recovery after mild TBI. <i>Human Brain Mapping</i> , 2019, 40, 4441-4456.	1.9	39
29	Replication and generalization in applied neuroimaging. <i>NeuroImage</i> , 2019, 202, 116048.	2.1	23
30	Expert-level detection of acute intracranial hemorrhage on head computed tomography using deep learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22737-22745.	3.3	171
31	Association between plasma GFAP concentrations and MRI abnormalities in patients with CT-negative traumatic brain injury in the TRACK-TBI cohort: a prospective multicentre study. <i>Lancet Neurology</i> , The, 2019, 18, 953-961.	4.9	150
32	The LONI QC System: A Semi-Automated, Web-Based and Freely-Available Environment for the Comprehensive Quality Control of Neuroimaging Data. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 60.	1.3	34
33	White Matter Connectome Edge Density in Children with Autism Spectrum Disorders: Potential Imaging Biomarkers Using Machine-Learning Models. <i>Brain Connectivity</i> , 2019, 9, 209-220.	0.8	46
34	Recommendations towards standards for quantitative MRI (qMRI) and outstanding needs. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e26-e39.	1.9	67
35	Age and sex-mediated differences in six-month outcomes after mild traumatic brain injury in young adults: a TRACK-TBI study. <i>Neurological Research</i> , 2019, 41, 609-623.	0.6	37
36	Pre-injury Comorbidities Are Associated With Functional Impairment and Post-concussive Symptoms at 3- and 6-Months After Mild Traumatic Brain Injury: A TRACK-TBI Study. <i>Frontiers in Neurology</i> , 2019, 10, 343.	1.1	48

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37	Disrupted White Matter Microstructure of the Cerebellar Peduncles in Scholastic Athletes After Concussion. <i>Frontiers in Neurology</i> , 2019, 10, 518.	1.1	14
38	Diffusion tensor tractography in children with sensory processing disorder: Potentials for devising machine learning classifiers. <i>NeuroImage: Clinical</i> , 2019, 23, 101831.	1.4	14
39	White Matter Connectome Correlates of Auditory Over-Responsivity: Edge Density Imaging and Machine-Learning Classifiers. <i>Frontiers in Integrative Neuroscience</i> , 2019, 13, 10.	1.0	3
40	Sensory over-responsivity: parent report, direct assessment measures, and neural architecture. <i>Molecular Autism</i> , 2019, 10, 4.	2.6	42
41	Sensorimotor Cortical Oscillations during Movement Preparation in 16p11.2 Deletion Carriers. <i>Journal of Neuroscience</i> , 2019, 39, 7321-7331.	1.7	11
42	Delineation of early brain development from fetuses to infants with diffusion MRI and beyond. <i>NeuroImage</i> , 2019, 185, 836-850.	2.1	170
43	Performance Evaluation of a Multiplex Assay for Simultaneous Detection of Four Clinically Relevant Traumatic Brain Injury Biomarkers. <i>Journal of Neurotrauma</i> , 2019, 36, 182-187.	1.7	63
44	Abnormal age-related cortical folding and neurite morphology in children with developmental dyslexia. <i>NeuroImage: Clinical</i> , 2018, 18, 814-821.	1.4	24
45	White matter microstructure predicts cognitive training-induced improvements in attention and executive functioning in schizophrenia. <i>Schizophrenia Research</i> , 2018, 193, 276-283.	1.1	39
46	Brain MR Imaging Findings and Associated Outcomes in Carriers of the Reciprocal Copy Number Variation at 16p11.2. <i>Radiology</i> , 2018, 286, 217-226.	3.6	27
47	Clinical Findings in a Multicenter MRI Study of Mild TBI. <i>Frontiers in Neurology</i> , 2018, 9, 836.	1.1	18
48	Functional and Structural Brain Plasticity in Adult Onset Single-Sided Deafness. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 474.	1.0	14
49	Temporal lobe contusions on computed tomography are associated with impaired 6-month functional recovery after mild traumatic brain injury: a TRACK-TBI study. <i>Neurological Research</i> , 2018, 40, 972-981.	0.6	23
50	Preinjury employment status as a risk factor for symptomatology and disability in mild traumatic brain injury: A TRACK-TBI analysis. <i>NeuroRehabilitation</i> , 2018, 43, 169-182.	0.5	11
51	White Matter Microstructure Associations of Cognitive and Visuomotor Control in Children: A Sensory Processing Perspective. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 65.	1.0	13
52	COMT ValMet polymorphism is associated with post-traumatic stress disorder and functional outcome following mild traumatic brain injury. <i>Journal of Clinical Neuroscience</i> , 2017, 35, 109-116.	0.8	43
53	Resting-State Functional Connectivity Alterations Associated with Six-Month Outcomes in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1546-1557.	1.7	117
54	Toward Precision and Reproducibility of Diffusion Tensor Imaging: A Multicenter Diffusion Phantom and Traveling Volunteer Study. <i>American Journal of Neuroradiology</i> , 2017, 38, 537-545.	1.2	109

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55	Comparing Plasma Phospho Tau, Total Tau, and Phospho Tau/Total Tau Ratio as Acute and Chronic Traumatic Brain Injury Biomarkers. <i>JAMA Neurology</i> , 2017, 74, 1063.	4.5	184
56	Emergency department blood alcohol level associates with injury factors and six-month outcome after uncomplicated mild traumatic brain injury. <i>Journal of Clinical Neuroscience</i> , 2017, 45, 293-298.	0.8	20
57	Temporal profile of care following mild traumatic brain injury: predictors of hospital admission, follow-up referral and six-month outcome. <i>Brain Injury</i> , 2017, 31, 1820-1829.	0.6	15
58	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. <i>Lancet Neurology</i> , The, 2017, 16, 987-1048.	4.9	1,571
59	Brain network eigenmodes provide a robust and compact representation of the structural connectome in health and disease. <i>PLoS Computational Biology</i> , 2017, 13, e1005550.	1.5	56
60	Uncovering precision phenotype-biomarker associations in traumatic brain injury using topological data analysis. <i>PLoS ONE</i> , 2017, 12, e0169490.	1.1	73
61	Chronic Post-Concussion Neurocognitive Deficits. I. Relationship with White Matter Integrity. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 35.	1.0	15
62	Relationship between M100 Auditory Evoked Response and Auditory Radiation Microstructure in 16p11.2 Deletion and Duplication Carriers. <i>American Journal of Neuroradiology</i> , 2016, 37, 1178-1184.	1.2	19
63	Edge correlations in spatial networks. <i>Journal of Complex Networks</i> , 2016, 4, 1-14.	1.1	4
64	Association Between Genetic Traits for Immune-Mediated Diseases and Alzheimer Disease. <i>JAMA Neurology</i> , 2016, 73, 691.	4.5	151
65	The Contribution of the Corpus Callosum to Language Lateralization. <i>Journal of Neuroscience</i> , 2016, 36, 4522-4533.	1.7	77
66	Periventricular White Matter Is a Nexus for Network Connectivity in the Human Brain. <i>Brain Connectivity</i> , 2016, 6, 548-557.	0.8	23
67	Reciprocal white matter alterations due to 16p11.2 chromosomal deletions versus duplications. <i>Human Brain Mapping</i> , 2016, 37, 2833-2848.	1.9	37
68	Auditory Evoked M100 Response Latency is Delayed in Children with 16p11.2 Deletion but not 16p11.2 Duplication. <i>Cerebral Cortex</i> , 2016, 26, 1957-1964.	1.6	29
69	COMT Val 158 Met polymorphism is associated with nonverbal cognition following mild traumatic brain injury. <i>Neurogenetics</i> , 2016, 17, 31-41.	0.7	33
70	Evaluating metabolites in patients with major depressive disorder who received mindfulness-based cognitive therapy and healthy controls using short-echo MRSI at 7 Tesla. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 523-533.	1.1	26
71	Plasma Anti-Glial Fibrillary Acidic Protein Autoantibody Levels during the Acute and Chronic Phases of Traumatic Brain Injury: A Transforming Research and Clinical Knowledge in Traumatic Brain Injury Pilot Study. <i>Journal of Neurotrauma</i> , 2016, 33, 1270-1277.	1.7	66
72	Defining the Effect of the 16p11.2 Duplication on Cognition, Behavior, and Medical Comorbidities. <i>JAMA Psychiatry</i> , 2016, 73, 20.	6.0	195

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73	Diffusion-Weighted Magnetic Resonance Imaging Characterization of White Matter Injury Produced by Axon-Sparing Demyelination and Severe Contusion Spinal Cord Injury in Rats. <i>Journal of Neurotrauma</i> , 2016, 33, 929-942.	1.7	9
74	Circulating Brain-Derived Neurotrophic Factor Has Diagnostic and Prognostic Value in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 215-225.	1.7	118
75	Abnormal auditory and language pathways in children with 16p11.2 deletion. <i>NeuroImage: Clinical</i> , 2015, 9, 50-57.	1.4	19
76	178â€¦COMT Val158Met is Associated With Domain-Specific Cognitive Impairment Following Mild Traumatic Brain Injury. <i>Neurosurgery</i> , 2015, 62, 225.	0.6	2
77	White Matter Changes of Neurite Density and Fiber Orientation Dispersion during Human Brain Maturation. <i>PLoS ONE</i> , 2015, 10, e0123656.	1.1	154
78	Genetic Data Sharing and Privacy. <i>Neuroinformatics</i> , 2015, 13, 1-6.	1.5	26
79	Edge density imaging: Mapping the anatomic embedding of the structural connectome within the white matter of the human brain. <i>NeuroImage</i> , 2015, 109, 402-417.	2.1	37
80	Traumatic Brain Injury Imaging Research Roadmap. <i>American Journal of Neuroradiology</i> , 2015, 36, E12-E23.	1.2	31
81	Outcome Prediction after Mild and Complicated Mild Traumatic Brain Injury: External Validation of Existing Models and Identification of New Predictors Using the TRACK-TBI Pilot Study. <i>Journal of Neurotrauma</i> , 2015, 32, 83-94.	1.7	165
82	Measurement of the Glial Fibrillary Acidic Protein and Its Breakdown Products GFAP-BDP Biomarker for the Detection of Traumatic Brain Injury Compared to Computed Tomography and Magnetic Resonance Imaging. <i>Journal of Neurotrauma</i> , 2015, 32, 527-533.	1.7	103
83	White Matter Microstructure is Associated with Auditory and Tactile Processing in Children with and without Sensory Processing Disorder. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 169.	0.9	43
84	Acute Biomarkers of Traumatic Brain Injury: Relationship between Plasma Levels of Ubiquitin C-Terminal Hydrolase-L1 and Glial Fibrillary Acidic Protein. <i>Journal of Neurotrauma</i> , 2014, 31, 19-25.	1.7	356
85	Stochastic geometric network models for groups of functional and structural connectomes. <i>NeuroImage</i> , 2014, 101, 473-484.	2.1	16
86	Symptomatology and Functional Outcome in Mild Traumatic Brain Injury: Results from the Prospective TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2014, 31, 26-33.	1.7	465
87	Human Neuroimaging and the BRAIN Initiative: A Joint Statement from the ASNR and ASFNR, with the support of the RSNA, ACR, ARR, and ISMRM. <i>American Journal of Neuroradiology</i> , 2014, 35, 213-214.	1.2	1
88	Aberrant White Matter Microstructure in Children with 16p11.2 Deletions. <i>Journal of Neuroscience</i> , 2014, 34, 6214-6223.	1.7	70
89	Opposing Brain Differences in 16p11.2 Deletion and Duplication Carriers. <i>Journal of Neuroscience</i> , 2014, 34, 11199-11211.	1.7	149
90	Diffusion Tensor Imaging for Outcome Prediction in Mild Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2014, 31, 1457-1477.	1.7	195

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91	Autism and Sensory Processing Disorders: Shared White Matter Disruption in Sensory Pathways but Divergent Connectivity in Social-Emotional Pathways. PLoS ONE, 2014, 9, e103038.	1.1	99
92	Pediatric brain injury: can DTI scalars predict functional outcome?. Pediatric Radiology, 2013, 43, 55-59.	1.1	13
93	The structural connectome of the human brain in agenesis of the corpus callosum. NeuroImage, 2013, 70, 340-355.	2.1	74
94	GFAP-BDP as an Acute Diagnostic Marker in Traumatic Brain Injury: Results from the Prospective Transforming Research and Clinical Knowledge in Traumatic Brain Injury Study. Journal of Neurotrauma, 2013, 30, 1490-1497.	1.7	173
95	Abnormal white matter microstructure in children with sensory processing disorders. NeuroImage: Clinical, 2013, 2, 844-853.	1.4	136
96	Magnetic resonance imaging improves 3-month outcome prediction in mild traumatic brain injury. Annals of Neurology, 2013, 73, 224-235.	2.8	340
97	Test-Retest Reliability of Computational Network Measurements Derived from the Structural Connectome of the Human Brain. Brain Connectivity, 2013, 3, 160-176.	0.8	79
98	Resting state magnetoencephalography functional connectivity in traumatic brain injury. Journal of Neurosurgery, 2013, 118, 1306-1316.	0.9	69
99	Transforming Research and Clinical Knowledge in Traumatic Brain Injury Pilot: Multicenter Implementation of the Common Data Elements for Traumatic Brain Injury. Journal of Neurotrauma, 2013, 30, 1831-1844.	1.7	274
100	Resting-State Networks and the Functional Connectome of the Human Brain in Agenesis of the Corpus Callosum. Brain Connectivity, 2013, 3, 547-562.	0.8	50
101	The Impact of Previous Traumatic Brain Injury on Health and Functioning: A TRACK-TBI Study. Journal of Neurotrauma, 2013, 30, 2014-2020.	1.7	117
102	A 600-kb deletion syndrome at 16p11.2 leads to energy imbalance and neuropsychiatric disorders. Journal of Medical Genetics, 2012, 49, 660-668.	1.5	251
103	The Appearance of Dural Sealants under MR Imaging. American Journal of Neuroradiology, 2012, 33, 1530-1533.	1.2	10
104	The Role of Corpus Callosum Development in Functional Connectivity and Cognitive Processing. PLoS ONE, 2012, 7, e39804.	1.1	142
105	Independent component analysis of DTI reveals multivariate microstructural correlations of white matter in the human brain. Human Brain Mapping, 2012, 33, 1431-1451.	1.9	43
106	Spatial HARDI: Improved visualization of complex white matter architecture with Bayesian spatial regularization. NeuroImage, 2011, 54, 396-409.	2.1	21
107	MR Imaging of Optic Neuropathy with Extended Echo-Train Acquisition Fluid-Attenuated Inversion Recovery. American Journal of Neuroradiology, 2011, 32, 301-305.	1.2	34
108	Diffusion Tensor Imaging of Mild Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2010, 25, 241-255.	1.0	321

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109	Visual Tracking Synchronization as a Metric for Concussion Screening. <i>Journal of Head Trauma Rehabilitation</i> , 2010, 25, 293-305.	1.0	132
110	Diffusion imaging and tractography of congenital brain malformations. <i>Pediatric Radiology</i> , 2010, 40, 59-67.	1.1	37
111	Common data elements in radiologic imaging of traumatic brain injury. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 516-543.	1.9	139
112	High-resolution Phased Array MRI of the Human Brain at 7 Tesla: Initial Experience in Multiple Sclerosis Patients. <i>Journal of Neuroimaging</i> , 2010, 20, 141-147.	1.0	80
113	Individual differences in distinct components of attention are linked to anatomical variations in distinct white matter tracts. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 2.	0.9	102
114	Microstructural correlations of white matter tracts in the human brain. <i>NeuroImage</i> , 2010, 51, 531-541.	2.1	102
115	Diffusion Tensor Imaging of Aicardi Syndrome. <i>Pediatric Neurology</i> , 2010, 43, 87-91.	1.0	8
116	Common Data Elements in Radiologic Imaging of Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 1661-1666.	0.5	214
117	Quantitative Fiber Tracking Analysis of the Optic Radiation Correlated with Visual Performance in Premature Newborns. <i>American Journal of Neuroradiology</i> , 2009, 30, 120-124.	1.2	75
118	<i>Reply</i> . <i>American Journal of Neuroradiology</i> , 2009, 30, e82-e82.	1.2	0
119	Variability of Homotopic and Heterotopic Callosal Connectivity in Partial Agenesis of the Corpus Callosum: A 3T Diffusion Tensor Imaging and Q-Ball Tractography Study. <i>American Journal of Neuroradiology</i> , 2009, 30, 282-289.	1.2	113
120	Diffusion Imaging of Congenital Brain Malformations. <i>Seminars in Pediatric Neurology</i> , 2009, 16, 111-119.	1.0	5
121	Preface. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2009, 17, xi-xii.	0.6	5
122	Diffusion Abnormalities and Reduced Volume of the Ventral Cingulum Bundle in Agenesis of the Corpus Callosum: A 3T Imaging Study. <i>American Journal of Neuroradiology</i> , 2009, 30, 1142-1148.	1.2	41
123	Advances in neuroimaging of traumatic brain injury and posttraumatic stress disorder. <i>Journal of Rehabilitation Research and Development</i> , 2009, 46, 717.	1.6	80
124	Development and initial evaluation of 7-T q-ball imaging of the human brain. <i>Magnetic Resonance Imaging</i> , 2008, 26, 171-180.	1.0	23
125	Phased array 3D MR spectroscopic imaging of the brain at 7 T. <i>Magnetic Resonance Imaging</i> , 2008, 26, 1201-1206.	1.0	20
126	High-resolution intracranial MRA at 7T using autocalibrating parallel imaging: initial experience in vascular disease patients. <i>Magnetic Resonance Imaging</i> , 2008, 26, 1329-1333.	1.0	19

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127	Probabilistic streamline q-ball tractography using the residual bootstrap. <i>NeuroImage</i> , 2008, 39, 215-222.	2.1	152
128	Development of a robust method for generating 7.0T multichannel phase images of the brain with application to normal volunteers and patients with neurological diseases. <i>NeuroImage</i> , 2008, 39, 1682-1692.	2.1	155
129	A framework for in vivo quantification of regional brain folding in premature neonates. <i>NeuroImage</i> , 2008, 41, 462-478.	2.1	53
130	Focal Lesions in Acute Mild Traumatic Brain Injury and Neurocognitive Outcome: CT versus 3T MRI. <i>Journal of Neurotrauma</i> , 2008, 25, 1049-1056.	1.7	237
131	Structural dissociation of attentional control and memory in adults with and without mild traumatic brain injury. <i>Brain</i> , 2008, 131, 3209-3221.	3.7	274
132	Diffusion Tensor MR Imaging and Fiber Tractography: Theoretic Underpinnings. <i>American Journal of Neuroradiology</i> , 2008, 29, 632-641.	1.2	411
133	Brain Metabolite Levels Assessed by Lactate-Edited MR Spectroscopy in Premature Neonates with and without Pentobarbital Sedation. <i>American Journal of Neuroradiology</i> , 2008, 29, 798-801.	1.2	20
134	Extent of Microstructural White Matter Injury in Postconcussive Syndrome Correlates with Impaired Cognitive Reaction Time: A 3T Diffusion Tensor Imaging Study of Mild Traumatic Brain Injury. <i>American Journal of Neuroradiology</i> , 2008, 29, 967-973.	1.2	529
135	Diffusion Tensor MR Imaging and Fiber Tractography: Technical Considerations. <i>American Journal of Neuroradiology</i> , 2008, 29, 843-852.	1.2	352
136	Comparing 3D Gyrfication Index and area-independent curvature-based measures in quantifying neonatal brain folding. , 2007, , .		5
137	Diffusion tensor imaging segmentation of white matter structures using a Reproducible Objective Quantification Scheme (ROQS). <i>NeuroImage</i> , 2007, 35, 166-174.	2.1	55
138	Visualizing White Matter Pathways in the Living Human Brain: Diffusion Tensor Imaging and Beyond. <i>Neuroimaging Clinics of North America</i> , 2007, 17, 407-426.	0.5	27
139	Agensis of the corpus callosum, optic coloboma, intractable seizures, craniofacial and skeletal dysmorphisms: An autosomal recessive disorder similar to Temtamy syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 1900-1905.	0.7	12
140	An eight-channel, nonoverlapping phased array coil with capacitive decoupling for parallel MRI at 3 T. <i>Concepts in Magnetic Resonance Part B</i> , 2007, 31B, 37-43.	0.3	40
141	Intracranial time-of-flight MR angiography at 7T with comparison to 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 900-904.	1.9	104
142	Agensis of the corpus callosum: genetic, developmental and functional aspects of connectivity. <i>Nature Reviews Neuroscience</i> , 2007, 8, 287-299.	4.9	687
143	Diffusion Tensor Imaging and Tractography of Human Brain Development. <i>Neuroimaging Clinics of North America</i> , 2006, 16, 19-43.	0.5	201
144	Q-ball reconstruction of multimodal fiber orientations using the spherical harmonic basis. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 104-117.	1.9	338

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145	Pyramidal tract maturation after brain injury in newborns with heart disease. <i>Annals of Neurology</i> , 2006, 59, 640-651.	2.8	66
146	Tractography-based quantitation of diffusion tensor imaging parameters in white matter tracts of preterm newborns. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 467-474.	1.9	129
147	Hand somatosensory cortex activity following selective dorsal rhizotomy: report of three cases with fMRI. <i>Child's Nervous System</i> , 2005, 21, 115-121.	0.6	12
148	Diffusion Tensor Imaging with Three-dimensional Fiber Tractography of Traumatic Axonal Shearing Injury: An Imaging Correlate for the Posterior Callosal "Disconnection" Syndrome: Case Report. <i>Neurosurgery</i> , 2005, 56, E195-E201.	0.6	78
149	Comparing microstructural and macrostructural development of the cerebral cortex in premature newborns: Diffusion tensor imaging versus cortical gyration. <i>NeuroImage</i> , 2005, 27, 579-586.	2.1	130
150	Quantitative diffusion tensor MRI fiber tractography of sensorimotor white matter development in premature infants. <i>NeuroImage</i> , 2005, 27, 862-871.	2.1	203
151	Diffusion Tensor Imaging and Fiber Tractography in Acute Stroke. <i>Neuroimaging Clinics of North America</i> , 2005, 15, 655-665.	0.5	100
152	Early Brain Injury in Premature Newborns Detected with Magnetic Resonance Imaging is Associated with Adverse Early Neurodevelopmental Outcome. <i>Journal of Pediatrics</i> , 2005, 147, 609-616.	0.9	408
153	Vitamin B12 Deficiency. <i>Archives of Neurology</i> , 2004, 61, 960.	4.9	1
154	Single-shot fast spin-echo diffusion tensor imaging of the brain and spine with head and phased array coils at 1.5 T and 3.0 T. <i>Magnetic Resonance Imaging</i> , 2004, 22, 751-759.	1.0	43
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