

Pratik Mukherjee

List of Publications by Year in descending order

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166
papers

17,079
citations

15504

65
h-index

15732

125
g-index

178
all docs

178
docs citations

178
times ranked

17750
citing authors

#	ARTICLE	IF	CITATIONS
1	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. <i>Lancet Neurology</i> , The, 2017, 16, 987-1048.	10.2	1,571
2	Agenesis of the corpus callosum: genetic, developmental and functional aspects of connectivity. <i>Nature Reviews Neuroscience</i> , 2007, 8, 287-299.	10.2	687
3	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.	2.4	529
4	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.	3.4	465
5	Diffusion Tensor MR Imaging and Fiber Tractography: Theoretic Underpinnings. <i>American Journal of Neuroradiology</i> , 2008, 29, 632-641.	2.4	411
6	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.	1.8	408
7	Normal Brain Maturation during Childhood: Developmental Trends Characterized with Diffusion-Tensor MR Imaging. <i>Radiology</i> , 2001, 221, 349-358.	7.3	402
8	Diffusion-tensor MR imaging of gray and white matter development during normal human brain maturation. <i>American Journal of Neuroradiology</i> , 2002, 23, 1445-56.	2.4	367
9	Diffusion tensor imaging of normal and injured developing human brain – a technical review. <i>NMR in Biomedicine</i> , 2002, 15, 543-552.	2.8	360
10	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.	3.4	356
11	Evaluating Pediatric Brain Tumor Cellularity with Diffusion-Tensor Imaging. <i>American Journal of Roentgenology</i> , 2001, 177, 449-454.	2.2	355
12	Diffusion Tensor MR Imaging and Fiber Tractography: Technical Considerations. <i>American Journal of Neuroradiology</i> , 2008, 29, 843-852.	2.4	352
13	Magnetic resonance imaging improves 3-month outcome prediction in mild traumatic brain injury. <i>Annals of Neurology</i> , 2013, 73, 224-235.	5.3	340
14	Q-ball reconstruction of multimodal fiber orientations using the spherical harmonic basis. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 104-117.	3.0	338
15	Diffusion Tensor Imaging of Mild Traumatic Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2010, 25, 241-255.	1.7	321
16	Diffusion tensor imaging: serial quantitation of white matter tract maturity in premature newborns. <i>NeuroImage</i> , 2004, 22, 1302-1314.	4.2	306
17	Structural dissociation of attentional control and memory in adults with and without mild traumatic brain injury. <i>Brain</i> , 2008, 131, 3209-3221.	7.6	274
18	Transforming Research and Clinical Knowledge in Traumatic Brain Injury Pilot: Multicenter Implementation of the Common Data Elements for Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 1831-1844.	3.4	274

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19	A 600â€¦kb deletion syndrome at 16p11.2 leads to energy imbalance and neuropsychiatric disorders. <i>Journal of Medical Genetics</i> , 2012, 49, 660-668.	3.2	251
20	Focal Lesions in Acute Mild Traumatic Brain Injury and Neurocognitive Outcome: CT versus 3T MRI. <i>Journal of Neurotrauma</i> , 2008, 25, 1049-1056.	3.4	237
21	Reversible Posterior Leukoencephalopathy Syndrome: Evaluation with Diffusion-Tensor MR Imaging. <i>Radiology</i> , 2001, 219, 756-765.	7.3	224
22	Common Data Elements in Radiologic Imaging of Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 1661-1666.	0.9	214
23	Quantitative diffusion tensor MRI fiber tractography of sensorimotor white matter development in premature infants. <i>NeuroImage</i> , 2005, 27, 862-871.	4.2	203
24	Diffusion Tensor Imaging and Tractography of Human Brain Development. <i>Neuroimaging Clinics of North America</i> , 2006, 16, 19-43.	1.0	201
25	Diffusion Tensor Imaging for Outcome Prediction in Mild Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2014, 31, 1457-1477.	3.4	195
26	Defining the Effect of the 16p11.2 Duplication on Cognition, Behavior, and Medical Comorbidities. <i>JAMA Psychiatry</i> , 2016, 73, 20.	11.0	195
27	Comparing Plasma Phospho Tau, Total Tau, and Phospho Tauâ€œTotal Tau Ratio as Acute and Chronic Traumatic Brain Injury Biomarkers. <i>JAMA Neurology</i> , 2017, 74, 1063.	9.0	184
28	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. <i>Journal of Neurotrauma</i> , 2013, 30, 1490-1497.	3.4	173
29	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.	7.1	171
30	Delineation of early brain development from fetuses to infants with diffusion MRI and beyond. <i>NeuroImage</i> , 2019, 185, 836-850.	4.2	170
31	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.	3.4	165
32	Development of a robust method for generating 7.0Âˆ multichannel phase images of the brain with application to normal volunteers and patients with neurological diseases. <i>NeuroImage</i> , 2008, 39, 1682-1692.	4.2	155
33	White Matter Changes of Neurite Density and Fiber Orientation Dispersion during Human Brain Maturation. <i>PLoS ONE</i> , 2015, 10, e0123656.	2.5	154
34	Probabilistic streamline q-ball tractography using the residual bootstrap. <i>NeuroImage</i> , 2008, 39, 215-222.	4.2	152
35	Association Between Genetic Traits for Immune-Mediated Diseases and Alzheimer Disease. <i>JAMA Neurology</i> , 2016, 73, 691.	9.0	151
36	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.	10.2	150

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37	Opposing Brain Differences in 16p11.2 Deletion and Duplication Carriers. <i>Journal of Neuroscience</i> , 2014, 34, 11199-11211.	3.6	149
38	Subcortical pathways serving cortical language sites: initial experience with diffusion tensor imaging fiber tracking combined with intraoperative language mapping. <i>NeuroImage</i> , 2004, 21, 616-622.	4.2	144
39	The Role of Corpus Callosum Development in Functional Connectivity and Cognitive Processing. <i>PLoS ONE</i> , 2012, 7, e39804.	2.5	142
40	Common data elements in radiologic imaging of traumatic brain injury. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 516-543.	3.4	139
41	Abnormal white matter microstructure in children with sensory processing disorders. <i>NeuroImage: Clinical</i> , 2013, 2, 844-853.	2.7	136
42	Early laminar organization of the human cerebrum demonstrated with diffusion tensor imaging in extremely premature infants. <i>NeuroImage</i> , 2004, 22, 1134-1140.	4.2	132
43	Visual Tracking Synchronization as a Metric for Concussion Screening. <i>Journal of Head Trauma Rehabilitation</i> , 2010, 25, 293-305.	1.7	132
44	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.	4.2	130
45	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.	3.4	129
46	Circulating Brain-Derived Neurotrophic Factor Has Diagnostic and Prognostic Value in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 215-225.	3.4	118
47	The Impact of Previous Traumatic Brain Injury on Health and Functioning: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2013, 30, 2014-2020.	3.4	117
48	Resting-State Functional Connectivity Alterations Associated with Six-Month Outcomes in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1546-1557.	3.4	117
49	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.	2.4	113
50	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.	2.4	109
51	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.	10.3	106
52	Intracranial time-of-flight MR angiography at 7T with comparison to 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 900-904.	3.4	104
53	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.	3.4	103
54	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.	1.7	102

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55	Microstructural correlations of white matter tracts in the human brain. <i>NeuroImage</i> , 2010, 51, 531-541.	4.2	102
56	Diffusion Tensor Imaging and Fiber Tractography in Acute Stroke. <i>Neuroimaging Clinics of North America</i> , 2005, 15, 655-665.	1.0	100
57	Autism and Sensory Processing Disorders: Shared White Matter Disruption in Sensory Pathways but Divergent Connectivity in Social-Emotional Pathways. <i>PLoS ONE</i> , 2014, 9, e103038.	2.5	99
58	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.	2.0	80
59	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
60	Test-Retest Reliability of Computational Network Measurements Derived from the Structural Connectome of the Human Brain. <i>Brain Connectivity</i> , 2013, 3, 160-176.	1.7	79
61	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.	1.1	78
62	The Contribution of the Corpus Callosum to Language Lateralization. <i>Journal of Neuroscience</i> , 2016, 36, 4522-4533.	3.6	77
63	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.	2.4	75
64	The structural connectome of the human brain in agenesis of the corpus callosum. <i>NeuroImage</i> , 2013, 70, 340-355.	4.2	74
65	Uncovering precision phenotype-biomarker associations in traumatic brain injury using topological data analysis. <i>PLoS ONE</i> , 2017, 12, e0169490.	2.5	73
66	Aberrant White Matter Microstructure in Children with 16p11.2 Deletions. <i>Journal of Neuroscience</i> , 2014, 34, 6214-6223.	3.6	70
67	Resting state magnetoencephalography functional connectivity in traumatic brain injury. <i>Journal of Neurosurgery</i> , 2013, 118, 1306-1316.	1.6	69
68	Recommendations towards standards for quantitative MRI (qMRI) and outstanding needs. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e26-e39.	3.4	67
69	Pyramidal tract maturation after brain injury in newborns with heart disease. <i>Annals of Neurology</i> , 2006, 59, 640-651.	5.3	66
70	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.	3.4	66
71	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.	3.4	63
72	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.	3.2	56

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73	Diffusion tensor imaging segmentation of white matter structures using a Reproducible Objective Quantification Scheme (ROQS). <i>NeuroImage</i> , 2007, 35, 166-174.	4.2	55
74	A framework for in vivo quantification of regional brain folding in premature neonates. <i>NeuroImage</i> , 2008, 41, 462-478.	4.2	53
75	Measurement of cerebral blood flow in chronic carotid occlusive disease: comparison of dynamic susceptibility contrast perfusion MR imaging with positron emission tomography. <i>American Journal of Neuroradiology</i> , 2003, 24, 862-71.	2.4	51
76	Improving high-resolution MR bold venographic imaging using a T1 reducing contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 118-123.	3.4	50
77	Resting-State Networks and the Functional Connectome of the Human Brain in Agenesis of the Corpus Callosum. <i>Brain Connectivity</i> , 2013, 3, 547-562.	1.7	50
78	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.	2.4	48
79	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.	1.7	46
80	Spectral graph theory of brain oscillations. <i>Human Brain Mapping</i> , 2020, 41, 2980-2998.	3.6	46
81	Longitudinal Resting State Functional Connectivity Predicts Clinical Outcome in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 650-660.	3.4	45
82	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.	1.8	43
83	Independent component analysis of DTI reveals multivariate microstructural correlations of white matter in the human brain. <i>Human Brain Mapping</i> , 2012, 33, 1431-1451.	3.6	43
84	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.	1.7	43
85	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.	1.5	43
86	Sensory over-responsivity: parent report, direct assessment measures, and neural architecture. <i>Molecular Autism</i> , 2019, 10, 4.	4.9	42
87	Cognitive impairment after focal brain lesions is better predicted by damage to structural than functional network hubs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	42
88	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.	2.4	41
89	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.	0.7	40
90	White matter microstructure predicts cognitive training-induced improvements in attention and executive functioning in schizophrenia. <i>Schizophrenia Research</i> , 2018, 193, 276-283.	2.0	39

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91	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.	3.6	39
92	Diffusion imaging and tractography of congenital brain malformations. <i>Pediatric Radiology</i> , 2010, 40, 59-67.	2.0	37
93	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.	4.2	37
94	Reciprocal white matter alterations due to 16p11.2 chromosomal deletions versus duplications. <i>Human Brain Mapping</i> , 2016, 37, 2833-2848.	3.6	37
95	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.	1.3	37
96	MR Imaging of Optic Neuropathy with Extended Echo-Train Acquisition Fluid-Attenuated Inversion Recovery. <i>American Journal of Neuroradiology</i> , 2011, 32, 301-305.	2.4	34
97	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.	2.5	34
98	COMT Val 158 Met polymorphism is associated with nonverbal cognition following mild traumatic brain injury. <i>Neurogenetics</i> , 2016, 17, 31-41.	1.4	33
99	High-Sensitivity C-Reactive Protein is a Prognostic Biomarker of Six-Month Disability after Traumatic Brain Injury: Results from the TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2021, 38, 918-927.	3.4	33
100	Traumatic Brain Injury Imaging Research Roadmap. <i>American Journal of Neuroradiology</i> , 2015, 36, E12-E23.	2.4	31
101	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.	2.9	29
102	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.	1.0	27
103	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.	7.3	27
104	Genetic Data Sharing and Privacy. <i>Neuroinformatics</i> , 2015, 13, 1-6.	2.8	26
105	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.	2.0	26
106	Abnormal age-related cortical folding and neurite morphology in children with developmental dyslexia. <i>NeuroImage: Clinical</i> , 2018, 18, 814-821.	2.7	24
107	Satisfaction with Life after Mild Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2021, 38, 546-554.	3.4	24
108	Development and initial evaluation of 7-T q-ball imaging of the human brain. <i>Magnetic Resonance Imaging</i> , 2008, 26, 171-180.	1.8	23

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109	Periventricular White Matter Is a Nexus for Network Connectivity in the Human Brain. <i>Brain Connectivity</i> , 2016, 6, 548-557.	1.7	23
110	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.	1.3	23
111	Replication and generalization in applied neuroimaging. <i>NeuroImage</i> , 2019, 202, 116048.	4.2	23
112	Biomarkers for Traumatic Brain Injury: Data Standards and Statistical Considerations. <i>Journal of Neurotrauma</i> , 2021, 38, 2514-2529.	3.4	23
113	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. <i>Journal of Neurotrauma</i> , 2022, 39, 1318-1328.	3.4	23
114	Spatial HARDI: Improved visualization of complex white matter architecture with Bayesian spatial regularization. <i>NeuroImage</i> , 2011, 54, 396-409.	4.2	21
115	Phased array 3D MR spectroscopic imaging of the brain at 7 T. <i>Magnetic Resonance Imaging</i> , 2008, 26, 1201-1206.	1.8	20
116	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.	2.4	20
117	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.	1.5	20
118	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.	1.8	19
119	Abnormal auditory and language pathways in children with 16p11.2 deletion. <i>NeuroImage: Clinical</i> , 2015, 9, 50-57.	2.7	19
120	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.	2.4	19
121	Clinical Findings in a Multicenter MRI Study of Mild TBI. <i>Frontiers in Neurology</i> , 2018, 9, 836.	2.4	18
122	Association of Posttraumatic Epilepsy With 1-Year Outcomes After Traumatic Brain Injury. <i>JAMA Network Open</i> , 2021, 4, e2140191.	5.9	18
123	Stochastic geometric network models for groups of functional and structural connectomes. <i>NeuroImage</i> , 2014, 101, 473-484.	4.2	16
124	Chronic Post-Concussion Neurocognitive Deficits. I. Relationship with White Matter Integrity. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 35.	2.0	15
125	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.	1.2	15
126	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.	2.0	15

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127	Functional and Structural Brain Plasticity in Adult Onset Single-Sided Deafness. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 474.	2.0	14
128	Disrupted White Matter Microstructure of the Cerebellar Peduncles in Scholastic Athletes After Concussion. <i>Frontiers in Neurology</i> , 2019, 10, 518.	2.4	14
129	Diffusion tensor tractography in children with sensory processing disorder: Potentials for devising machine learning classifiers. <i>NeuroImage: Clinical</i> , 2019, 23, 101831.	2.7	14
130	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.	1.4	14
131	Pediatric brain injury: can DTI scalars predict functional outcome?. <i>Pediatric Radiology</i> , 2013, 43, 55-59.	2.0	13
132	White Matter Microstructure Associations of Cognitive and Visuomotor Control in Children: A Sensory Processing Perspective. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 65.	2.1	13
133	Hand somatosensory cortex activity following selective dorsal rhizotomy: report of three cases with fMRI. <i>Child's Nervous System</i> , 2005, 21, 115-121.	1.1	12
134	Agenesis 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.	1.2	12
135	Trajectories of Insomnia in Adults After Traumatic Brain Injury. <i>JAMA Network Open</i> , 2022, 5, e2145310.	5.9	12
136	The maintained discharge of neurons in the cat lateral geniculate nucleus: Spectral analysis and computational modeling. <i>Visual Neuroscience</i> , 1998, 15, 529-39.	1.0	11
137	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.	1.3	11
138	Sensorimotor Cortical Oscillations during Movement Preparation in 16p11.2 Deletion Carriers. <i>Journal of Neuroscience</i> , 2019, 39, 7321-7331.	3.6	11
139	Data-science ready, multisite, human diffusion MRI white-matter-tract statistics. <i>Scientific Data</i> , 2020, 7, 422.	5.3	11
140	The Appearance of Dural Sealants under MR Imaging. <i>American Journal of Neuroradiology</i> , 2012, 33, 1530-1533.	2.4	10
141	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.	3.4	9
142	Tractography-Pathology Correlations in Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2021, 38, 1620-1631.	3.4	9
143	Diffusion Tensor Imaging of Aicardi Syndrome. <i>Pediatric Neurology</i> , 2010, 43, 87-91.	2.1	8
144	Smaller Regional Brain Volumes Predict Posttraumatic Stress Disorder at 3 Months After Mild Traumatic Brain Injury. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 352-359.	1.5	8

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145	Altered Cerebellar White Matter in Sensory Processing Dysfunction Is Associated With Impaired Multisensory Integration and Attention. <i>Frontiers in Psychology</i> , 2020, 11, 618436.	2.1	8
146	Concussion Disrupts Normal Brain White Matter Microstructural Symmetry. <i>Frontiers in Neurology</i> , 2020, 11, 548220.	2.4	7
147	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.	1.5	6
148	Personalized Connectome-Based Modeling in Patients with Semi-Acute Phase TBI: Relationship to Acute Neuroimaging and 6 Month Follow-Up. <i>ENeuro</i> , 2022, 9, ENEURO.0075-21.2022.	1.9	6
149	Comparing 3D Gyrfication Index and area-independent curvature-based measures in quantifying neonatal brain folding. , 2007, , .		5
150	Diffusion Imaging of Congenital Brain Malformations. <i>Seminars in Pediatric Neurology</i> , 2009, 16, 111-119.	2.0	5
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