

# Jeffrey I Berman

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,997  
citations

361413

20  
h-index

276875

41  
g-index

41  
all docs

41  
docs citations

41  
times ranked

3193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion tensor imaging: serial quantitation of white matter tract maturity in premature newborns. <i>NeuroImage</i> , 2004, 22, 1302-1314.	4.2	306
2	Quantitative diffusion tensor MRI fiber tractography of sensorimotor white matter development in premature infants. <i>NeuroImage</i> , 2005, 27, 862-871.	4.2	203
3	Accuracy of diffusion tensor magnetic resonance imaging tractography assessed using intraoperative subcortical stimulation mapping and magnetic source imaging. <i>Journal of Neurosurgery</i> , 2007, 107, 488-494.	1.6	203
4	White Matter Changes of Neurite Density and Fiber Orientation Dispersion during Human Brain Maturation. <i>PLoS ONE</i> , 2015, 10, e0123656.	2.5	154
5	Opposing Brain Differences in 16p11.2 Deletion and Duplication Carriers. <i>Journal of Neuroscience</i> , 2014, 34, 11199-11211.	3.6	149
6	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
7	Auditory encoding abnormalities in children with autism spectrum disorder suggest delayed development of auditory cortex. <i>Molecular Autism</i> , 2015, 6, 69.	4.9	76
8	Aberrant White Matter Microstructure in Children with 16p11.2 Deletions. <i>Journal of Neuroscience</i> , 2014, 34, 6214-6223.	3.6	70
9	Diffusion MR Tractography As a Tool for Surgical Planning. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2009, 17, 205-214.	1.1	68
10	Maturation differences in thalamocortical white matter microstructure and auditory evoked response latencies in autism spectrum disorders. <i>Brain Research</i> , 2013, 1537, 79-85.	2.2	59
11	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. <i>Biological Psychiatry</i> , 2018, 84, 253-264.	1.3	56
12	Variable Bandwidth Filtering for Improved Sensitivity of Cross-Frequency Coupling Metrics. <i>Brain Connectivity</i> , 2012, 2, 155-163.	1.7	52
13	Alpha-to-Gamma Phase-Amplitude Coupling Methods and Application to Autism Spectrum Disorder. <i>Brain Connectivity</i> , 2015, 5, 80-90.	1.7	48
14	Multimodal Diffusion-MRI and MEG Assessment of Auditory and Language System Development in Autism Spectrum Disorder. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 30.	1.7	48
15	Abnormal maturation of the resting-state peak alpha frequency in children with autism spectrum disorder. <i>Human Brain Mapping</i> , 2019, 40, 3288-3298.	3.6	44
16	Reciprocal white matter alterations due to 16p11.2 chromosomal deletions versus duplications. <i>Human Brain Mapping</i> , 2016, 37, 2833-2848.	3.6	37
17	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
18	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	4.2	28

#	ARTICLE	IF	CITATIONS
19	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
20	The effects of acute cortical somatosensory deafferentation on grip force control. <i>Cortex</i> , 2016, 74, 1-8.	2.4	24
21	Abnormal auditory mismatch fields in adults with autism spectrum disorder. <i>Neuroscience Letters</i> , 2019, 698, 140-145.	2.1	22
22	Abnormal auditory and language pathways in children with 16p11.2 deletion. <i>NeuroImage: Clinical</i> , 2015, 9, 50-57.	2.7	19
23	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
24	Delayed Auditory Evoked Responses in Autism Spectrum Disorder across the Life Span. <i>Developmental Neuroscience</i> , 2019, 41, 223-233.	2.0	19
25	Children with Autism Spectrum Disorder Demonstrate Regionally Specific Altered Resting-State Phaseâ€“Amplitude Coupling. <i>Brain Connectivity</i> , 2019, 9, 425-436.	1.7	18
26	Diffusion-Tensor Imaging of the Physes: A Possible Biomarker for Skeletal Growthâ€“Experience with 151 Children. <i>Radiology</i> , 2017, 284, 210-218.	7.3	16
27	Validation of an automated tractography method for the optic radiations as a biomarker of visual acuity in neurofibromatosis-associated optic pathway glioma. <i>Experimental Neurology</i> , 2018, 299, 308-316.	4.1	13
28	Diffusion tensor imaging of the kidney in healthy controls and in children and young adults with autosomal recessive polycystic kidney disease. <i>Abdominal Radiology</i> , 2019, 44, 1867-1872.	2.1	13
29	A Multimodal Study of the Contributions of Conduction Velocity to the Auditory Evoked Neuromagnetic Response: Anomalies in Autism Spectrum Disorder. <i>Autism Research</i> , 2020, 13, 1730-1745.	3.8	13
30	Correlation between diffusion tensor imaging parameters of the distal femoral physis and adjacent metaphysis, and subsequent adolescent growth. <i>Pediatric Radiology</i> , 2019, 49, 1192-1200.	2.0	12
31	Parvalbumin Cell Ablation of NMDA-R1 Leads to Altered Phase, But Not Amplitude, of Gamma-Band Cross-Frequency Coupling. <i>Brain Connectivity</i> , 2019, 9, 263-272.	1.7	12
32	Review of diffusion tensor imaging and its application in children. <i>Pediatric Radiology</i> , 2015, 45, 375-381.	2.0	11
33	Sensorimotor Cortical Oscillations during Movement Preparation in 16p11.2 Deletion Carriers. <i>Journal of Neuroscience</i> , 2019, 39, 7321-7331.	3.6	11
34	Lower Extremity Vascular Access in Neonates and Infants: A Single Institutional Experience. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1660-1668.	0.5	9
35	Pilot study on renal magnetic resonance diffusion tensor imaging: are quantitative diffusion tensor imaging values useful in the evaluation of children with ureteropelvic junction obstruction?. <i>Pediatric Radiology</i> , 2019, 49, 175-186.	2.0	8
36	Maturation of Auditory Cortex Neural Activity in Children and Implications for Auditory Clinical Markers in Diagnosis. <i>Frontiers in Psychiatry</i> , 2020, 11, 584557.	2.6	8

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37	Peak Alpha Frequency and Thalamic Structure in Children with Typical Development and Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2022, 52, 103-112.	2.7	6
38	Relationship of renal apparent diffusion coefficient and functional MR urography in children with pelvicalyceal dilation. <i>Pediatric Radiology</i> , 2019, 49, 1032-1041.	2.0	4
39	Effect of age and neurofibromatosis type 1 status on white matter integrity in the optic radiations. <i>Neuro-Oncology Advances</i> , 2020, 2, i150-i158.	0.7	3
40	Abnormal Auditory Mismatch Fields in Children and Adolescents With 16p11.2 Deletion and 16p11.2 Duplication. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 942-950.	1.5	1
41	Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation. <i>BMJ Open</i> , 2021, 11, e043852.	1.9	1