

Julian Michael Tyszka

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

5,984
citations

218677

26
h-index

206112

48
g-index

58
all docs

58
docs citations

58
times ranked

8607
citing authors

#	ARTICLE	IF	CITATIONS
1	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism. <i>Molecular Psychiatry</i> , 2014, 19, 659-667.	7.9	1,882
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	Personal space regulation by the human amygdala. <i>Nature Neuroscience</i> , 2009, 12, 1226-1227.	14.8	324
4	Myocardial iron loading in transfusion-dependent thalassemia and sickle cell disease. <i>Blood</i> , 2004, 103, 1934-1936.	1.4	315
5	A high-resolution probabilistic in vivo atlas of human subcortical brain nuclei. <i>Scientific Data</i> , 2018, 5, 180063.	5.3	312
6	Largely Typical Patterns of Resting-State Functional Connectivity in High-Functioning Adults with Autism. <i>Cerebral Cortex</i> , 2014, 24, 1894-1905.	2.9	188
7	Contributions of the Amygdala to Reward Expectancy and Choice Signals in Human Prefrontal Cortex. <i>Neuron</i> , 2007, 55, 545-555.	8.1	183
8	Statistical diffusion tensor histology reveals regional dysmyelination effects in the shiverer mouse mutant. <i>NeuroImage</i> , 2006, 29, 1058-1065.	4.2	164
9	Intact Bilateral Resting-State Networks in the Absence of the Corpus Callosum. <i>Journal of Neuroscience</i> , 2011, 31, 15154-15162.	3.6	157
10	Neural Correlates of Specific and General Pavlovian-to-Instrumental Transfer within Human Amygdalar Subregions: A High-Resolution fMRI Study. <i>Journal of Neuroscience</i> , 2012, 32, 8383-8390.	3.6	148
11	Three-dimensional, time-resolved (4D) relative pressure mapping using magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 321-329.	3.4	142
12	In vivo delineation of subdivisions of the human amygdaloid complex in a high-resolution group template. <i>Human Brain Mapping</i> , 2016, 37, 3979-3998.	3.6	132
13	Idiosyncratic Brain Activation Patterns Are Associated with Poor Social Comprehension in Autism. <i>Journal of Neuroscience</i> , 2015, 35, 5837-5850.	3.6	130
14	Differentiation of benign and malignant adnexal masses: relative value of gray-scale, color Doppler, and spectral Doppler sonography. <i>American Journal of Roentgenology</i> , 1995, 164, 381-386.	2.2	125
15	Parceling of mesial frontal motor areas during ideation and movement using functional magnetic resonance imaging at 1.5 tesla. <i>Annals of Neurology</i> , 1994, 35, 746-749.	5.3	120
16	Magnetic resonance microscopy: recent advances and applications. <i>Current Opinion in Biotechnology</i> , 2005, 16, 93-99.	6.6	118
17	The Immune Response to Herpes Simplex Virus Type 1 Infection in Susceptible Mice Is a Major Cause of Central Nervous System Pathology Resulting in Fatal Encephalitis. <i>Journal of Virology</i> , 2008, 82, 7078-7088.	3.4	110
18	The human amygdala parametrically encodes the intensity of specific facial emotions and their categorical ambiguity. <i>Nature Communications</i> , 2017, 8, 14821.	12.8	106

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19	Regional requirements for Dishevelled signaling during Xenopus gastrulation: separable effects on blastopore closure, mesendoderm internalization and archenteron formation. <i>Development</i> (Cambridge), 2004, 131, 6195-6209.	2.5	73
20	A specific hypoactivation of right temporo-parietal junction/posterior superior temporal sulcus in response to socially awkward situations in autism. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1348-1356.	3.0	67
21	Distinct Contributions of Ventromedial and Dorsolateral Subregions of the Human Substantia Nigra to Appetitive and Aversive Learning. <i>Journal of Neuroscience</i> , 2015, 35, 14220-14233.	3.6	62
22	High efficiency, low distortion 3D diffusion tensor imaging with variable density spiral fast spin echoes (3D DW VDS RARE). <i>NeuroImage</i> , 2010, 49, 1510-1523.	4.2	45
23	Intrinsic Functional Connectivity of the Brain in Adults with a Single Cerebral Hemisphere. <i>Cell Reports</i> , 2019, 29, 2398-2407.e4.	6.4	44
24	The Claustrum and Insula in <i>Microcebus murinus</i> : A High Resolution Diffusion Imaging Study. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 21.	1.7	37
25	Navigated single-voxel proton spectroscopy of the human liver. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 1-5.	3.0	34
26	Evidence for model-based encoding of Pavlovian contingencies in the human brain. <i>Nature Communications</i> , 2019, 10, 1099.	12.8	31
27	Brain Differences in the Prefrontal Cortex, Amygdala, and Hippocampus in Youth with Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1098-1111.	3.6	31
28	Causal mapping of emotion networks in the human brain: Framework and initial findings. <i>Neuropsychologia</i> , 2020, 145, 106571.	1.6	22
29	Effect of Inversion Recovery Fat Suppression on Hepatic R2* Quantitation in Transfusional Siderosis. <i>American Journal of Roentgenology</i> , 2015, 204, 625-629.	2.2	18
30	High resolution magnetic resonance imaging of the brain in the dy/dy mouse with merosin-deficient congenital muscular dystrophy. <i>Neuromuscular Disorders</i> , 2000, 10, 292-298.	0.6	17
31	Distinct prediction errors in mesostriatal circuits of the human brain mediate learning about the values of both states and actions: evidence from high-resolution fMRI. <i>PLoS Computational Biology</i> , 2017, 13, e1005810.	3.2	16
32	Phase-contrast cine MR angiography detection of thoracic aortic dissection. <i>International Journal of Cardiovascular Imaging</i> , 2000, 16, 461-470.	0.6	15
33	Quantification of B0 homogeneity variation with head pitch by registered three-dimensional field mapping. <i>Journal of Magnetic Resonance</i> , 2002, 159, 213-218.	2.1	14
34	New tools for visualization and analysis of morphogenesis in spherical embryos. <i>Developmental Dynamics</i> , 2005, 234, 974-983.	1.8	14
35	No strong evidence that social network index is associated with gray matter volume from a data-driven investigation. <i>Cortex</i> , 2020, 125, 307-317.	2.4	14
36	T2-weighted $\hat{1}/4$ MRI and Evoked Potential of the Visual System Measurements During the Development of Hypomyelinated Transgenic Mice. <i>Neurochemical Research</i> , 2007, 32, 159-165.	3.3	11

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37	A uniplanar three-axis gradient set for in vivo magnetic resonance microscopy. <i>Journal of Magnetic Resonance</i> , 2009, 200, 38-48.	2.1	11
38	Volumetric multishot echo-planar spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 219-227.	3.0	10
39	Microstructural properties within the amygdala and affiliated white matter tracts across adolescence. <i>NeuroImage</i> , 2021, 243, 118489.	4.2	10
40	Restructuring of amygdala subregion apportion across adolescence. <i>Developmental Cognitive Neuroscience</i> , 2021, 48, 100883.	4.0	8
41	High-field diffusion MR histology: Image-based correction of eddy-current ghosts in diffusion-weighted rapid acquisition with relaxation enhancement (DW-RARE). <i>Magnetic Resonance in Medicine</i> , 2009, 61, 728-733.	3.0	7
42	Reorganization of the Social Brain in Individuals with Only One Intact Cerebral Hemisphere. <i>Brain Sciences</i> , 2021, 11, 965.	2.3	6
43	Navigated Single-Voxel Short-Echo-Time Proton Spectroscopy of Moving Objects. <i>Journal of Magnetic Resonance Series B</i> , 1996, 112, 302-306.	1.6	4
44	DOSE TITRATION OF DEFERASIROX IRON CHELATION THERAPY BY MAGNETIC RESONANCE IMAGING FOR CHRONIC IRON STORAGE DISEASE IN THREE ADULT RED BALD-HEADED UAKARI (CACAJAO CALVUS) Tj ETQq0 0 0 rgt /Overlock 10 Tf 5	0.8	1
45	Associations between testosterone, estradiol, and androgen receptor genotype with amygdala subregions in adolescents. <i>Psychoneuroendocrinology</i> , 2022, 137, 105604.	2.7	3
46	Video-evoked fMRI BOLD responses are highly consistent across different data acquisition sites. <i>Human Brain Mapping</i> , 2022, 43, 2972-2991.	3.6	3
47	How important is the corpus callosum in resting-state networks?. <i>Future Neurology</i> , 2012, 7, 231-234.	0.5	1
48	Compact brain MRI. <i>Nature Biomedical Engineering</i> , 2021, 5, 201-202.	22.5	1
49	Caltech Conte Center, a multimodal data resource for exploring social cognition and decision-making. <i>Scientific Data</i> , 2022, 9, 138.	5.3	1
50	Related Methods for Three-Dimensional Imaging. , 2006, , 607-626.		0
51	New tools for visualization and analysis of morphogenesis in spherical embryos. <i>Developmental Dynamics</i> , 2006, 235, spc1-spc1.	1.8	0
52	Motion-sensitive 3-D optical coherence microscope operating at 1300 nm for the visualization of early frog development. , 2007, , .		0