Zack Y Shan

List of Publications by Year
in descending order

39 papers	1,094 citations	471509 17 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	1591 citing authors

#	Article	IF	Citations
1	Basal ganglia correlates of wellbeing in early adolescence. Brain Research, 2022, 1774, 147710.	2.2	8
2	A longitudinal study of functional connectome uniqueness and its association with psychological distress in adolescence. NeuroImage, 2022, 258, 119358.	4.2	7
3	Dataset of brain functional connectome and its maturation in adolescents. Data in Brief, 2022, 43, 108454.	1.0	2
4	Short strides to important findings: A short interval longitudinal study of sleep quality, psychological distress and microstructure changes to the uncinate fasciculus in early adolescents. International Journal of Developmental Neuroscience, 2021, 81, 82-90.	1.6	5
5	Application of the random forest algorithm to Streptococcus pyogenes response regulator allele variation: from machine learning to evolutionary models. Scientific Reports, 2021, 11, 12687.	3.3	3
6	Can measures of sleep quality or white matter structural integrity predict level of worry or rumination in adolescents facing stressful situations? Lessons from the COVIDâ€19 pandemic. Journal of Adolescence, 2021, 91, 110-118.	2.4	12
7	The role of adolescent sleep quality in the development of anxiety disorders: A neurobiologically-informed model. Sleep Medicine Reviews, 2021, 59, 101450.	8.5	8
8	Elucidating the neural correlates of emotion recognition in children with sub-clinical anxiety. Journal of Psychiatric Research, 2021, 143, 75-83.	3.1	5
9	Neurobiological underpinnings of cyberbullying: A pilot functional magnetic resonance imaging study. Human Brain Mapping, 2020, 41, 1495-1504.	3.6	11
10	Elucidating the neurobiology of cyberbullying using functional Magnetic Resonance Imaging (fMRI): A hypothesis. Aggression and Violent Behavior, 2020, 50, 101360.	2.1	4
11	Neuroimaging characteristics of myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS): a systematic review. Journal of Translational Medicine, 2020, 18, 335.	4.4	38
12	Intra brainstem connectivity is impaired in chronic fatigue syndrome. NeuroImage: Clinical, 2019, 24, 102045.	2.7	37
13	Brain function characteristics of chronic fatigue syndrome: A task fMRI study. NeuroImage: Clinical, 2018, 19, 279-286.	2.7	37
14	Decreased Connectivity and Increased Blood Oxygenation Level Dependent Complexity in the Default Mode Network in Individuals with Chronic Fatigue Syndrome. Brain Connectivity, 2018, 8, 33-39.	1.7	30
15	Hyperintense sensorimotor T1 spin echo MRI is associated with brainstem abnormality in chronic fatigue syndrome. NeuroImage: Clinical, 2018, 20, 102-109.	2.7	29
16	Medial prefrontal cortex deficits correlate with unrefreshing sleep in patients with chronic fatigue syndrome. NMR in Biomedicine, 2017, 30, e3757.	2.8	22
17	Progressive brain changes in patients with chronic fatigue syndrome: A longitudinal MRI study. Journal of Magnetic Resonance Imaging, 2016, 44, 1301-1311.	3.4	55
18	Genes influence the amplitude and timing of brain hemodynamic responses. NeuroImage, 2016, 124, 663-671.	4.2	21

#	Article	IF	Citations
19	Modeling of the Hemodynamic Responses in Block Design fMRI Studies. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 316-324.	4.3	65
20	MRI changes and complement activation correlate with epileptogenicity in a mouse model of temporal lobe epilepsy. Brain Structure and Function, 2014, 219, 683-706.	2.3	45
21	Cerebral glucose metabolism on positron emission tomography of children. Human Brain Mapping, 2014, 35, 2297-2309.	3.6	32
22	Retrospective Evaluation of PET-MRI Registration Algorithms. Journal of Digital Imaging, 2011, 24, 485-493.	2.9	21
23	Mapping developmental precentral and postcentral gyral changes in children on magnetic resonance images. Journal of Magnetic Resonance Imaging, 2011, 33, 62-70.	3.4	4
24	White matter lesion segmentation based on feature joint occurrence probability and random field theory from magnetic resonance (MR) images. Pattern Recognition Letters, 2010, 31, 781-790.	4.2	20
25	A knowledge-guided active model method of skull segmentation on T1-weighted MR images. , 2007, , .		1
26	A pediatric brain structure atlas from T1-weighted MR images. , 2006, , .		0
27	2788. International Journal of Radiation Oncology Biology Physics, 2006, 66, S650-S651.	0.8	0
28	Quantitative morphologic evaluation of white matter in survivors of childhood medulloblastoma. Magnetic Resonance Imaging, 2006, 24, 1015-1022.	1.8	34
29	Smaller white-matter volumes are associated with larger deficits in attention and learning among long-term survivors of acute lymphoblastic leukemia. Cancer, 2006, 106, 941-949.	4.1	171
30	A knowledge-guided active model method of cortical structure segmentation on pediatric MR images. Journal of Magnetic Resonance Imaging, 2006, 24, 779-789.	3.4	7
31	A Digital Pediatric Brain Structure Atlas from T1-Weighted MR Images. Lecture Notes in Computer Science, 2006, 9, 332-339.	1.3	7
32	Neurocognitive correlates of white matter in children surviving cancer: a quantitative MR imaging study. , 2005, , .		0
33	A knowledge-guided active contour method of segmentation of cerebella on MR images of pediatric patients with medulloblastoma. Journal of Magnetic Resonance Imaging, 2005, 21, 1-11.	3.4	14
34	Selective Atrophy of Left Hemisphere and Frontal Lobe of the Brain in Old Men. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 165-174.	3.6	12
35	Cerebella segmentation on MR images of pediatric patients with medulloblastoma. , 2005, , .		0
36	Automated human frontal lobe identification in MR images based on fuzzy-logic encoded expert anatomic knowledge. Magnetic Resonance Imaging, 2004, 22, 607-617.	1.8	4

#	Article	IF	Citations
37	Human Brain Activation During Sustained and Intermittent Submaximal Fatigue Muscle Contractions: An fMRI Study. Journal of Neurophysiology, 2003, 90, 300-312.	1.8	222
38	Automated Histogram-Based Brain Segmentation in T1-Weighted Three-Dimensional Magnetic Resonance Head Images. NeuroImage, 2002, 17, 1587-1598.	4.2	101
39	Emerging Uniqueness of the Cingulo-Opercular Network Precedes Psychological Distress in Early Adolescence. SSRN Electronic Journal, 0, , .	0.4	0