Zack Y Shan

List of Publications by Year
in descending order

39 papers	1,094 citations	471061 17 h-index	414034 32 g-index
41 all docs	41 docs citations	41 times ranked	1591 citing authors

#	Article	IF	Citations
1	Human Brain Activation During Sustained and Intermittent Submaximal Fatigue Muscle Contractions: An fMRI Study. Journal of Neurophysiology, 2003, 90, 300-312.	0.9	222
2	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.	2.0	171
3	Automated Histogram-Based Brain Segmentation in T1-Weighted Three-Dimensional Magnetic Resonance Head Images. NeuroImage, 2002, 17, 1587-1598.	2.1	101
4	Modeling of the Hemodynamic Responses in Block Design fMRI Studies. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 316-324.	2.4	65
5	Progressive brain changes in patients with chronic fatigue syndrome: A longitudinal MRI study. Journal of Magnetic Resonance Imaging, 2016, 44, 1301-1311.	1.9	55
6	MRI changes and complement activation correlate with epileptogenicity in a mouse model of temporal lobe epilepsy. Brain Structure and Function, 2014, 219, 683-706.	1.2	45
7	Neuroimaging characteristics of myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS): a systematic review. Journal of Translational Medicine, 2020, 18, 335.	1.8	38
8	Brain function characteristics of chronic fatigue syndrome: A task fMRI study. NeuroImage: Clinical, 2018, 19, 279-286.	1.4	37
9	Intra brainstem connectivity is impaired in chronic fatigue syndrome. NeuroImage: Clinical, 2019, 24, 102045.	1.4	37
10	Quantitative morphologic evaluation of white matter in survivors of childhood medulloblastoma. Magnetic Resonance Imaging, 2006, 24, 1015-1022.	1.0	34
11	Cerebral glucose metabolism on positron emission tomography of children. Human Brain Mapping, 2014, 35, 2297-2309.	1.9	32
12	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.	0.8	30
13	Hyperintense sensorimotor T1 spin echo MRI is associated with brainstem abnormality in chronic fatigue syndrome. NeuroImage: Clinical, 2018, 20, 102-109.	1.4	29
14	Medial prefrontal cortex deficits correlate with unrefreshing sleep in patients with chronic fatigue syndrome. NMR in Biomedicine, 2017, 30, e3757.	1.6	22
15	Retrospective Evaluation of PET-MRI Registration Algorithms. Journal of Digital Imaging, 2011, 24, 485-493.	1.6	21
16	Genes influence the amplitude and timing of brain hemodynamic responses. NeuroImage, 2016, 124, 663-671.	2.1	21
17	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.	2.6	20
18	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.	1.9	14

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19	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.	1.7	12
20	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.	1.2	12
21	Neurobiological underpinnings of cyberbullying: A pilot functional magnetic resonance imaging study. Human Brain Mapping, 2020, 41, 1495-1504.	1.9	11
22	The role of adolescent sleep quality in the development of anxiety disorders: A neurobiologically-informed model. Sleep Medicine Reviews, 2021, 59, 101450.	3.8	8
23	Basal ganglia correlates of wellbeing in early adolescence. Brain Research, 2022, 1774, 147710.	1.1	8
24	A knowledge-guided active model method of cortical structure segmentation on pediatric MR images. Journal of Magnetic Resonance Imaging, 2006, 24, 779-789.	1.9	7
25	A Digital Pediatric Brain Structure Atlas from T1-Weighted MR Images. Lecture Notes in Computer Science, 2006, 9, 332-339.	1.0	7
26	A longitudinal study of functional connectome uniqueness and its association with psychological distress in adolescence. NeuroImage, 2022, 258, 119358.	2.1	7
27	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.	0.7	5
28	Elucidating the neural correlates of emotion recognition in children with sub-clinical anxiety. Journal of Psychiatric Research, 2021, 143, 75-83.	1.5	5
29	Automated human frontal lobe identification in MR images based on fuzzy-logic encoded expert anatomic knowledge. Magnetic Resonance Imaging, 2004, 22, 607-617.	1.0	4
30	Mapping developmental precentral and postcentral gyral changes in children on magnetic resonance images. Journal of Magnetic Resonance Imaging, 2011, 33, 62-70.	1.9	4
31	Elucidating the neurobiology of cyberbullying using functional Magnetic Resonance Imaging (fMRI): A hypothesis. Aggression and Violent Behavior, 2020, 50, 101360.	1.2	4
32	Application of the random forest algorithm to Streptococcus pyogenes response regulator allele variation: from machine learning to evolutionary models. Scientific Reports, 2021, 11, 12687.	1.6	3
33	Dataset of brain functional connectome and its maturation in adolescents. Data in Brief, 2022, 43, 108454.	0.5	2
34	A knowledge-guided active model method of skull segmentation on T1-weighted MR images. , 2007, , .		1
35	Neurocognitive correlates of white matter in children surviving cancer: a quantitative MR imaging study. , 2005, , .		0
36	A pediatric brain structure atlas from T1-weighted MR images. , 2006, , .		0

#	Article	IF	Citations
37	2788. International Journal of Radiation Oncology Biology Physics, 2006, 66, S650-S651.	0.4	0
38	Cerebella segmentation on MR images of pediatric patients with medulloblastoma. , 2005, , .		0
39	Emerging Uniqueness of the Cingulo-Opercular Network Precedes Psychological Distress in Early Adolescence. SSRN Electronic Journal, 0, , .	0.4	0