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	Human Brain Activation During Sustained and Intermittent Submaximal Fatigue Muscle Contractions: An fMRI Study. Journal of Neurophysiology, 2003, 90, 300-312.	1.8	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.	4.1	171
3	Automated Histogram-Based Brain Segmentation in T1-Weighted Three-Dimensional Magnetic Resonance Head Images. NeuroImage, 2002, 17, 1587-1598.	4.2	101
4	Modeling of the Hemodynamic Responses in Block Design fMRI Studies. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 316-324.	4.3	65
5	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
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.	2.3	45
7	Neuroimaging characteristics of myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS): a systematic review. Journal of Translational Medicine, 2020, 18, 335.	4.4	38
8	Brain function characteristics of chronic fatigue syndrome: A task fMRI study. NeuroImage: Clinical, 2018, 19, 279-286.	2.7	37
9	Intra brainstem connectivity is impaired in chronic fatigue syndrome. NeuroImage: Clinical, 2019, 24, 102045.	2.7	37
10	Quantitative morphologic evaluation of white matter in survivors of childhood medulloblastoma. Magnetic Resonance Imaging, 2006, 24, 1015-1022.	1.8	34
11	Cerebral glucose metabolism on positron emission tomography of children. Human Brain Mapping, 2014, 35, 2297-2309.	3.6	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.	1.7	30
13	Hyperintense sensorimotor T1 spin echo MRI is associated with brainstem abnormality in chronic fatigue syndrome. NeuroImage: Clinical, 2018, 20, 102-109.	2.7	29
14	Medial prefrontal cortex deficits correlate with unrefreshing sleep in patients with chronic fatigue syndrome. NMR in Biomedicine, 2017, 30, e3757.	2.8	22
15	Retrospective Evaluation of PET-MRI Registration Algorithms. Journal of Digital Imaging, 2011, 24, 485-493.	2.9	21
16	Genes influence the amplitude and timing of brain hemodynamic responses. NeuroImage, 2016, 124, 663-671.	4.2	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.	4.2	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.	3.4	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.	3.6	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 COVID–19 pandemic. Journal of Adolescence, 2021, 91, 110-118.	2.4	12
21	Neurobiological underpinnings of cyberbullying: A pilot functional magnetic resonance imaging study. Human Brain Mapping, 2020, 41, 1495-1504.	3.6	11
22	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
23	Basal ganglia correlates of wellbeing in early adolescence. Brain Research, 2022, 1774, 147710.	2.2	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.	3.4	7
25	A Digital Pediatric Brain Structure Atlas from T1-Weighted MR Images. Lecture Notes in Computer Science, 2006, 9, 332-339.	1.3	7
26	A longitudinal study of functional connectome uniqueness and its association with psychological distress in adolescence. NeuroImage, 2022, 258, 119358.	4.2	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.	1.6	5
28	Elucidating the neural correlates of emotion recognition in children with sub-clinical anxiety. Journal of Psychiatric Research, 2021, 143, 75-83.	3.1	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.	1.8	4
30	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
31	Elucidating the neurobiology of cyberbullying using functional Magnetic Resonance Imaging (fMRI): A hypothesis. Aggression and Violent Behavior, 2020, 50, 101360.	2.1	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.	3.3	3
33	Dataset of brain functional connectome and its maturation in adolescents. Data in Brief, 2022, 43, 108454.	1.0	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.	0.8	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