

Zack Y Shan

List of Publications by Year in descending order

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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	Basal ganglia correlates of wellbeing in early adolescence. <i>Brain Research</i> , 2022, 1774, 147710.	1.1	8
2	A longitudinal study of functional connectome uniqueness and its association with psychological distress in adolescence. <i>NeuroImage</i> , 2022, 258, 119358.	2.1	7
3	Dataset of brain functional connectome and its maturation in adolescents. <i>Data in Brief</i> , 2022, 43, 108454.	0.5	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. <i>International Journal of Developmental Neuroscience</i> , 2021, 81, 82-90.	0.7	5
5	Application of the random forest algorithm to <i>Streptococcus pyogenes</i> response regulator allele variation: from machine learning to evolutionary models. <i>Scientific Reports</i> , 2021, 11, 12687.	1.6	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 COVID-19 pandemic. <i>Journal of Adolescence</i> , 2021, 91, 110-118.	1.2	12
7	The role of adolescent sleep quality in the development of anxiety disorders: A neurobiologically-informed model. <i>Sleep Medicine Reviews</i> , 2021, 59, 101450.	3.8	8
8	Elucidating the neural correlates of emotion recognition in children with sub-clinical anxiety. <i>Journal of Psychiatric Research</i> , 2021, 143, 75-83.	1.5	5
9	Neurobiological underpinnings of cyberbullying: A pilot functional magnetic resonance imaging study. <i>Human Brain Mapping</i> , 2020, 41, 1495-1504.	1.9	11
10	Elucidating the neurobiology of cyberbullying using functional Magnetic Resonance Imaging (fMRI): A hypothesis. <i>Aggression and Violent Behavior</i> , 2020, 50, 101360.	1.2	4
11	Neuroimaging characteristics of myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS): a systematic review. <i>Journal of Translational Medicine</i> , 2020, 18, 335.	1.8	38
12	Intra brainstem connectivity is impaired in chronic fatigue syndrome. <i>NeuroImage: Clinical</i> , 2019, 24, 102045.	1.4	37
13	Brain function characteristics of chronic fatigue syndrome: A task fMRI study. <i>NeuroImage: Clinical</i> , 2018, 19, 279-286.	1.4	37
14	Decreased Connectivity and Increased Blood Oxygenation Level Dependent Complexity in the Default Mode Network in Individuals with Chronic Fatigue Syndrome. <i>Brain Connectivity</i> , 2018, 8, 33-39.	0.8	30
15	Hyperintense sensorimotor T1 spin echo MRI is associated with brainstem abnormality in chronic fatigue syndrome. <i>NeuroImage: Clinical</i> , 2018, 20, 102-109.	1.4	29
16	Medial prefrontal cortex deficits correlate with unrefreshing sleep in patients with chronic fatigue syndrome. <i>NMR in Biomedicine</i> , 2017, 30, e3757.	1.6	22
17	Progressive brain changes in patients with chronic fatigue syndrome: A longitudinal MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1301-1311.	1.9	55
18	Genes influence the amplitude and timing of brain hemodynamic responses. <i>NeuroImage</i> , 2016, 124, 663-671.	2.1	21

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19	Modeling of the Hemodynamic Responses in Block Design fMRI Studies. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 316-324.	2.4	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.	1.2	45
21	Cerebral glucose metabolism on positron emission tomography of children. Human Brain Mapping, 2014, 35, 2297-2309.	1.9	32
22	Retrospective Evaluation of PET-MRI Registration Algorithms. Journal of Digital Imaging, 2011, 24, 485-493.	1.6	21
23	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
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.	2.6	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.	0.4	0
28	Quantitative morphologic evaluation of white matter in survivors of childhood medulloblastoma. Magnetic Resonance Imaging, 2006, 24, 1015-1022.	1.0	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.	2.0	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.	1.9	7
31	A Digital Pediatric Brain Structure Atlas from T1-Weighted MR Images. Lecture Notes in Computer Science, 2006, 9, 332-339.	1.0	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.	1.9	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.	1.7	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.	1.0	4

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37	Human Brain Activation During Sustained and Intermittent Submaximal Fatigue Muscle Contractions: An fMRI Study. <i>Journal of Neurophysiology</i> , 2003, 90, 300-312.	0.9	222
38	Automated Histogram-Based Brain Segmentation in T1-Weighted Three-Dimensional Magnetic Resonance Head Images. <i>NeuroImage</i> , 2002, 17, 1587-1598.	2.1	101
39	Emerging Uniqueness of the Cingulo-Opercular Network Precedes Psychological Distress in Early Adolescence. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0