

Richard Watts

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,341
citations

279701

23
h-index

414303

32
g-index

33
all docs

33
docs citations

33
times ranked

4944
citing authors

#	ARTICLE	IF	CITATIONS
1	The Adolescent Brain Cognitive Development (ABCD) study: Imaging acquisition across 21 sites. <i>Developmental Cognitive Neuroscience</i> , 2018, 32, 43-54.	1.9	1,282
2	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.	2.1	539
3	Neuropsychosocial profiles of current and future adolescent alcohol misusers. <i>Nature</i> , 2014, 512, 185-189.	13.7	368
4	Correction of respiratory artifacts in MRI head motion estimates. <i>NeuroImage</i> , 2020, 208, 116400.	2.1	161
5	Response inhibition and elevated parietal-cerebellar correlations in chronic adolescent cannabis users. <i>Neuropharmacology</i> , 2014, 84, 131-137.	2.0	93
6	Central vessel sign on 3T FLAIR MRI for the differentiation of multiple sclerosis from migraine. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 82-87.	1.7	67
7	Comparing Cerebral Perfusion in Alzheimer's Disease and Parkinson's Disease Dementia: An ASL-MRI Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 964-970.	2.4	62
8	White Matter Involvement in Chronic Musculoskeletal Pain. <i>Journal of Pain</i> , 2014, 15, 1110-1119.	0.7	61
9	Measuring Glymphatic Flow in Man Using Quantitative Contrast-Enhanced MRI. <i>American Journal of Neuroradiology</i> , 2019, 40, 648-651.	1.2	58
10	Diagnostic performance of central vein sign for multiple sclerosis with a simplified three-lesion algorithm. <i>Multiple Sclerosis Journal</i> , 2018, 24, 750-757.	1.4	50
11	Behavioral and Neural Signatures of Working Memory in Childhood. <i>Journal of Neuroscience</i> , 2020, 40, 5090-5104.	1.7	50
12	Baseline brain function in the preadolescents of the ABCD Study. <i>Nature Neuroscience</i> , 2021, 24, 1176-1186.	7.1	48
13	Nucleus accumbens cytoarchitecture predicts weight gain in children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26977-26984.	3.3	47
14	Cognitive Improvement after Mild Traumatic Brain Injury Measured with Functional Neuroimaging during the Acute Period. <i>PLoS ONE</i> , 2015, 10, e0126110.	1.1	46
15	Neuroimaging Biomarkers of a History of Concussion Observed in Asymptomatic Young Athletes. <i>Journal of Neurotrauma</i> , 2016, 33, 803-810.	1.7	41
16	Potholes and Molehills: Bias in the Diagnostic Performance of Diffusion-Tensor Imaging in Concussion. <i>Radiology</i> , 2014, 272, 217-223.	3.6	33
17	Postconcussion Symptoms Are Associated with Cerebral Cortical Thickness in Healthy Collegiate and Preparatory School Ice Hockey Players. <i>Journal of Pediatrics</i> , 2015, 166, 394-400.e1.	0.9	33
18	MRI evaluation of thalamic volume differentiates MS from common mimics. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2017, 4, e387.	3.1	33

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19	The initiation of cannabis use in adolescence is predicted by sex-specific psychosocial and neurobiological features. <i>European Journal of Neuroscience</i> , 2019, 50, 2346-2356.	1.2	32
20	Anxious/depressed symptoms are related to microstructural maturation of white matter in typically developing youths. <i>Development and Psychopathology</i> , 2017, 29, 751-758.	1.4	30
21	Automated Integration of Multimodal MRI for the Probabilistic Detection of the Central Vein Sign in White Matter Lesions. <i>American Journal of Neuroradiology</i> , 2018, 39, 1806-1813.	1.2	29
22	In vivo whole-brain T1 ρ mapping across adulthood: Normative values and age dependence. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 376-382.	1.9	27
23	In vivo quantitative whole-brain T ₁ ρ MRI of multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1623-1630.	1.9	27
24	Attention and Regional Gray Matter Development in Very Preterm Children at Age 12 Years. <i>Journal of the International Neuropsychological Society</i> , 2017, 23, 539-550.	1.2	24
25	Clinical Integration of Automated Processing for Brain Quantitative Susceptibility Mapping: Multi-Site Reproducibility and Single-Site Robustness. <i>Journal of Neuroimaging</i> , 2019, 29, 689-698.	1.0	22
26	White matter microstructure is associated with hyperactive/inattentive symptomatology and polygenic risk for attention-deficit/hyperactivity disorder in a population-based sample of adolescents. <i>Neuropsychopharmacology</i> , 2019, 44, 1597-1603.	2.8	22
27	Tracking Parkinson's Disease over One Year with Multimodal Magnetic Resonance Imaging in a Group of Older Patients with Moderate Disease. <i>PLoS ONE</i> , 2015, 10, e0143923.	1.1	21
28	Longitudinal Evidence of a Vicious Cycle Between Nucleus Accumbens Microstructure and Childhood Weight Gain. <i>Journal of Adolescent Health</i> , 2022, 70, 961-969.	1.2	12
29	Dynamic changes in diffusion measures improve sensitivity in identifying patients with mild traumatic brain injury. <i>PLoS ONE</i> , 2017, 12, e0178360.	1.1	9
30	Altered hippocampal microstructure and function in children who experienced Hurricane Irma. <i>Developmental Psychobiology</i> , 2021, 63, 864-877.	0.9	5
31	Visualization and simulation of density driven convection in porous media using magnetic resonance imaging. <i>Journal of Contaminant Hydrology</i> , 2018, 212, 78-84.	1.6	4
32	An open-access accelerated adult equivalent of the ABCD Study neuroimaging dataset (a-ABCD). <i>NeuroImage</i> , 2022, 255, 119215.	2.1	2