

Thomas Welton

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

660
citations

687363

13
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

1353
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion MRI as a complementary assessment to cognition, emotion, and motor dysfunction after sports-related concussion: a systematic review and critical appraisal of the literature. <i>Brain Imaging and Behavior</i> , 2021, 15, 1685-1704.	2.1	6
2	Dorsolateral prefrontal circuit effective connectivity mediates the relationship between white matter structure and PASAT performance in multiple sclerosis. <i>Human Brain Mapping</i> , 2021, 42, 495-509.	3.6	10
3	Neurocognitive Dysfunction and Smaller Brain Volumes in Adolescents and Adults With a Fontan Circulation. <i>Circulation</i> , 2021, 143, 878-891.	1.6	21
4	Diffusion kurtosis imaging detects subclinical white matter abnormalities in Phenylketonuria. <i>NeuroImage: Clinical</i> , 2021, 29, 102555.	2.7	7
5	Utility of quantitative susceptibility mapping and diffusion kurtosis imaging in the diagnosis of early Parkinson's disease. <i>NeuroImage: Clinical</i> , 2021, 32, 102831.	2.7	9
6	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021, 243, 118502.	4.2	94
7	Applying Artificial Intelligence to Multi-Omic Data: New Functional Variants in Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 347-347.	3.9	5
8	Essential tremor. <i>Nature Reviews Disease Primers</i> , 2021, 7, 83.	30.5	56
9	Large-scale network dysfunction in vascular cognitive disorder supports connectional diaschisis in advanced arteriosclerosis. <i>European Journal of Neurology</i> , 2020, 27, 352-359.	3.3	3
10	Structural core of the executive control network: A high angular resolution diffusion MRI study. <i>Human Brain Mapping</i> , 2020, 41, 1226-1236.	3.6	40
11	Replicable brain signatures of emotional bias and memory based on diffusion kurtosis imaging of white matter tracts. <i>Human Brain Mapping</i> , 2020, 41, 1274-1285.	3.6	8
12	Performance gains with Compute Unified Device Architecture-enabled eddy current correction for diffusion MRI. <i>NeuroReport</i> , 2020, 31, 746-753.	1.2	1
13	Characterizing the Risk of Depression Following Mild Traumatic Brain Injury: A Meta-Analysis of the Literature Comparing Chronic mTBI to Non-mTBI Populations. <i>Frontiers in Neurology</i> , 2020, 11, 350.	2.4	29
14	Graph Theoretic Analysis of Brain Connectomics in Multiple Sclerosis: Reliability and Relationship with Cognition. <i>Brain Connectivity</i> , 2020, 10, 95-104.	1.7	23
15	Characteristic patterns of white matter tract injury in sport-related concussion: An image based meta-analysis. <i>NeuroImage: Clinical</i> , 2020, 26, 102253.	2.7	11
16	Diffusion kurtosis and quantitative susceptibility mapping MRI are sensitive to structural abnormalities in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2019, 24, 101953.	2.7	29
17	Profound and reproducible patterns of reduced regional gray matter characterize major depressive disorder. <i>Translational Psychiatry</i> , 2019, 9, 176.	4.8	21
18	Gender-specific structural abnormalities in major depressive disorder revealed by fixel-based analysis. <i>NeuroImage: Clinical</i> , 2019, 21, 101668.	2.7	20

#	ARTICLE	IF	CITATIONS
19	Is occipital bending a structural biomarker of risk for depression and sensitivity to treatment?. Journal of Clinical Neuroscience, 2019, 63, 55-61.	1.5	14
20	Revealing the Hippocampal Connectome through Super-Resolution 1150-Direction Diffusion MRI. Scientific Reports, 2019, 9, 2418.	3.3	82
21	Aberrant visual pathway development in albinism: From retina to cortex. Human Brain Mapping, 2019, 40, 777-788.	3.6	26
22	Toward personalised diffusion MRI in psychiatry: improved delineation of fibre bundles with the highest-ever angular resolution in vivo tractography. Translational Psychiatry, 2018, 8, 91.	4.8	10
23	Altered whole-brain connectivity in albinism. Human Brain Mapping, 2017, 38, 740-752.	3.6	6
24	A brain-computer interface for the Dasher alternative text entry system. Universal Access in the Information Society, 2016, 15, 77-83.	3.0	8
25	Functionally Relevant White Matter Degradation in Multiple Sclerosis: A Tract-based Spatial Meta-Analysis. Radiology, 2015, 275, 89-96.	7.3	39
26	Reproducibility of Graph-Theoretic Brain Network Metrics: A Systematic Review. Brain Connectivity, 2015, 5, 193-202.	1.7	74