Thomas Welton

List of Publications by Year
in descending order

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	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	4.2	94
2	Revealing the Hippocampal Connectome through Super-Resolution 1150-Direction Diffusion MRI. Scientific Reports, 2019, 9, 2418.	3.3	82
3	Reproducibility of Graph-Theoretic Brain Network Metrics: A Systematic Review. Brain Connectivity, 2015, 5, 193-202.	1.7	74
4	Essential tremor. Nature Reviews Disease Primers, 2021, 7, 83.	30.5	56
5	Structural core of the executive control network: A high angular resolution diffusion MRI study. Human Brain Mapping, 2020, 41, 1226-1236.	3.6	40
6	Functionally Relevant White Matter Degradation in Multiple Sclerosis: A Tract-based Spatial Meta-Analysis. Radiology, 2015, 275, 89-96.	7.3	39
7	Diffusion kurtosis and quantitative susceptibility mapping MRI are sensitive to structural abnormalities in amyotrophic lateral sclerosis. NeuroImage: Clinical, 2019, 24, 101953.	2.7	29
8	Characterizing the Risk of Depression Following Mild Traumatic Brain Injury: A Meta-Analysis of the Literature Comparing Chronic mTBI to Non-mTBI Populations. Frontiers in Neurology, 2020, 11, 350.	2.4	29
9	Aberrant visual pathway development in albinism: From retina to cortex. Human Brain Mapping, 2019, 40, 777-788.	3.6	26
10	Graph Theoretic Analysis of Brain Connectomics in Multiple Sclerosis: Reliability and Relationship with Cognition. Brain Connectivity, 2020, 10, 95-104.	1.7	23
11	Profound and reproducible patterns of reduced regional gray matter characterize major depressive disorder. Translational Psychiatry, 2019, 9, 176.	4.8	21
12	Neurocognitive Dysfunction and Smaller Brain Volumes in Adolescents and Adults With a Fontan Circulation. Circulation, 2021, 143, 878-891.	1.6	21
13	Gender-specific structural abnormalities in major depressive disorder revealed by fixel-based analysis. NeuroImage: Clinical, 2019, 21, 101668.	2.7	20
14	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
15	Characteristic patterns of white matter tract injury in sport-related concussion: An image based meta-analysis. NeuroImage: Clinical, 2020, 26, 102253.	2.7	11
16	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
17	Dorsolateral prefrontal circuit effective connectivity mediates the relationship between white matter structure and PASAT â€З performance in multiple sclerosis. Human Brain Mapping, 2021, 42, 495-509.	3.6	10
18	Utility of quantitative susceptibility mapping and diffusion kurtosis imaging in the diagnosis of early Parkinsonâ€™s disease. NeuroImage: Clinical, 2021, 32, 102831.	2.7	9

#	Article	IF	Citations
19	A brainâ€"computer interface for the Dasher alternative text entry system. Universal Access in the Information Society, 2016, 15, 77-83.	3.0	8
20	Replicable brain signatures of emotional bias and memory based on diffusion kurtosis imaging of white matter tracts. Human Brain Mapping, 2020, 41, 1274-1285.	3.6	8
21	Diffusion kurtosis imaging detects subclinical white matter abnormalities in Phenylketonuria. NeuroImage: Clinical, 2021, 29, 102555.	2.7	7
22	Altered whole-brain connectivity in albinism. Human Brain Mapping, 2017, 38, 740-752.	3.6	6
23	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. Brain Imaging and Behavior, 2021, 15, 1685-1704.	2.1	6
24	Applying Artificial Intelligence to Multiâ€Omic Data: New Functional Variants in Parkinson's Disease. Movement Disorders, 2021, 36, 347-347.	3.9	5
25	Largeâ€scale network dysfunction in vascular cognitive disorder supports connectional diaschisis in advanced arteriosclerosis. European Journal of Neurology, 2020, 27, 352-359.	3.3	3
26	Performance gains with Compute Unified Device Architecture-enabled eddy current correction for diffusion MRI.. NeuroReport, 2020, 31, 746-753.	1.2	1