Konrad Wagstyl

List of Publications by Year
in descending order

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26 papers	2,594 citations	471509 17 h-index	526287 27 g-index
60 all docs	60 docs citations	60 times ranked	3344 citing authors

#	Article	IF	Citations
1	Adolescence is associated with genomically patterned consolidation of the hubs of the human brain connectome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9105-9110.	7.1	415
2	Microstructural and functional gradients are increasingly dissociated in transmodal cortices. PLoS Biology, 2019, 17, e3000284.	5.6	332
3	Morphometric Similarity Networks Detect Microscale Cortical Organization and Predict Inter-Individual Cognitive Variation. Neuron, 2018, 97, 231-247.e7.	8.1	307
4	Gene transcription profiles associated with inter-modular hubs and connection distance in human functional magnetic resonance imaging networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150362.	4.0	188
5	Obesity associated with increased brain age from midlife. Neurobiology of Aging, 2016, 47, 63-70.	3.1	181
6	Cortical thickness gradients in structural hierarchies. NeuroImage, 2015, 111, 241-250.	4.2	155
7	Transcriptomic and cellular decoding of regional brain vulnerability to neurogenetic disorders. Nature Communications, 2020, 11, 3358.	12.8	141
8	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices. PLoS Biology, 2020, 18, e3000678.	5.6	120
9	Shifts in myeloarchitecture characterise adolescent development of cortical gradients. ELife, 2019, 8, .	6.0	97
10	Automated detection of focal cortical dysplasia type <scp>II</scp> with surfaceâ€based magnetic resonance imaging postprocessing and machine learning. Epilepsia, 2018, 59, 982-992.	5.1	88
11	Novel surface features for automated detection of focal cortical dysplasias in paediatric epilepsy. NeuroImage: Clinical, 2017, 14, 18-27.	2.7	84
12	Mapping Cortical Laminar Structure in the 3D BigBrain. Cerebral Cortex, 2018, 28, 2551-2562.	2.9	69
13	The natural axis of transmitter receptor distribution in the human cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	66
14	LayNii: A software suite for layer-fMRI. NeuroImage, 2021, 237, 118091.	4.2	64
15	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. ELife, 2021, 10, .	6.0	42
16	Atlas of lesion locations and postsurgical seizure freedom in focal cortical dysplasia: A MELD study. Epilepsia, 2022, 63, 61-74.	5.1	36
17	Cortical patterning of morphometric similarity gradient reveals diverged hierarchical organization in sensory-motor cortices. Cell Reports, 2021, 36, 109582.	6.4	26
18	Planning stereoelectroencephalography using automated lesion detection: Retrospective feasibility study. Epilepsia, 2020, 61, 1406-1416.	5.1	17

#	Article	IF	Citations
19	Relating quantitative <scp>7T MRI</scp> across cortical depths to cytoarchitectonics, gene expression and connectomics. Human Brain Mapping, 2021, 42, 4996-5009.	3.6	17
20	MRI profiling of focal cortical dysplasia using multiâ€compartment diffusion models. Epilepsia, 2020, 61, 433-444.	5.1	16
21	CIVET-Macaque: An automated pipeline for MRI-based cortical surface generation and cortical thickness in macaques. NeuroImage, 2021, 227, 117622.	4.2	14
22	Cortical Thickness. Neuromethods, 2018, , 35-49.	0.3	11
23	Estimates of cortical column orientation improve MEG source inversion. NeuroImage, 2020, 216, 116862.	4.2	11
24	Convolutional neural networks for cytoarchitectonic brain mapping at large scale. NeuroImage, 2021, 240, 118327.	4.2	10
25	Networks Underlie Temporal Onset of Dysplasiaâ€Related Epilepsy: A <scp>MELD</scp> Study. Annals of Neurology, 2022, 92, 503-511.	5.3	7
26	IDEAL approach to the evaluation of machine learning technology in epilepsy surgery: protocol for the MAST trial. BMJ Surgery, Interventions, and Health Technologies, 2022, 4, e000109.	0.9	4