Thijs Dhollander

List of Publications by Year
in descending order

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53 papers	4,460 citations	361413 20 h-index	206112 48 g-index
72 all docs	72 docs citations	72 times ranked	5073 citing authors

#	Article	IF	Citations
1	Structural perisylvian asymmetry in naturally occurring atypical language dominance. Brain Structure and Function, 2022, 227, 573-586.	2.3	5
2	Diffusion MRI-based connectivity. , 2022, , 223-244.		0
3	The Structural Connectome and Internalizing and Externalizing Symptoms at 7 and 13 Years in Individuals Born Very Preterm and Full Term. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 424-434.	1.5	7
4	Timing of selective basal ganglia white matter loss in premanifest Huntingtonâ€™s disease. NeuroImage: Clinical, 2022, 33, 102927.	2.7	10
5	Impact of long- and short-range fibre depletion on the cognitive deficits of fronto-temporal dementia. ELife, 2022, 11, .	6.0	7
6	Brain tissue microstructural and free-water composition 13 years after very preterm birth. NeuroImage, 2022, 254, 119168.	4.2	5
7	Structural brain connectivity in children after neonatal stroke: A whole-brain fixel-based analysis. NeuroImage: Clinical, 2022, 34, 103035.	2.7	4
8	Navigating the link between processing speed and network communication in the human brain. Brain Structure and Function, 2021, 226, 1281-1302.	2.3	23
9	A connectomeâ€based approach to assess motor outcome after neonatal arterial ischemic stroke. Annals of Clinical and Translational Neurology, 2021, 8, 1024-1037.	3.7	5
10	Fibre-specific laterality of white matter in left and right language dominant people. NeuroImage, 2021, 230, 117812.	4.2	12
11	Investigating the microstructural properties of normal-appearing white matter (NAWM) preceding conversion to white matter hyperintensities (WMHs) in stroke survivors. NeuroImage, 2021, 232, 117839.	4.2	16
12	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. Nature Methods, 2021, 18, 775-778.	19.0	127
13	Individual differences in attentional lapses are associated with fiberâ€specific white matter microstructure in healthy adults. Psychophysiology, 2021, 58, e13871.	2.4	4
14	Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. NeuroImage, 2021, 241, 118417.	4.2	117
15	Prefronto-Striatal Structural Connectivity Mediates Adult Age Differences in Action Selection. Journal of Neuroscience, 2021, 41, 331-341.	3.6	9
16	Continued white matter fibre degeneration over 3 years after ischemic stroke. Alzheimer's and Dementia, 2021, 17, .	0.8	0
17	Human Olfaction without Apparent Olfactory Bulbs. Neuron, 2020, 105, 35-45.e5.	8.1	48
18	Maturation and interhemispheric asymmetry in neurite density and orientation dispersion in early childhood. NeuroImage, 2020, 221, 117168.	4.2	8

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19	In vivo microstructural heterogeneity of white matter lesions in healthy elderly and Alzheimer's disease participants using tissue compositional analysis of diffusion MRI data. NeuroImage: Clinical, 2020, 28, 102479.	2.7	19
20	Fiber-Specific Changes in White Matter Microstructure in Individuals With X-Linked Auditory Neuropathy. Ear and Hearing, 2020, 41, 1703-1714.	2.1	5
21	Dynamic analysis of fMRI activation during epileptic spikes can help identify the seizure origin. Epilepsia, 2020, 61, 2558-2571.	5.1	12
22	Modeling brain dynamics after tumor resection using The Virtual Brain. NeuroImage, 2020, 213, 116738.	4.2	41
23	Testâ€"retest reliability and longâ€term stability of threeâ€tissue constrained spherical deconvolution methods for analyzing diffusion MRI data. Magnetic Resonance in Medicine, 2020, 84, 2161-2173.	3.0	21
24	Early childhood development of white matter fiber density and morphology. NeuroImage, 2020, 210, 116552.	4.2	52
25	Fiber-specific variations in anterior transcallosal white matter structure contribute to age-related differences in motor performance. NeuroImage, 2020, 209, 116530.	4.2	17
26	Three-tissue compositional analysis reveals in-vivo microstructural heterogeneity of white matter hyperintensities following stroke. NeuroImage, 2020, 218, 116869.	4.2	19
27	Pervasive White Matter Fiber Degeneration in Ischemic Stroke. Stroke, 2020, 51, 1507-1513.	2.0	53
28	Advanced MRI analysis to detect white matter brain injury in growth restricted newborn lambs. NeuroImage: Clinical, 2019, 24, 101991.	2.7	15
29	MRtrix3: A fast, flexible and open software framework for medical image processing and visualisation. NeuroImage, 2019, 202, 116137.	4.2	1,555
30	Reduced White Matter Fiber Density in Autism Spectrum Disorder. Cerebral Cortex, 2019, 29, 1778-1788.	2.9	67
31	Connectomes from streamlines tractography: Assigning streamlines to brain parcellations is not trivial but highly consequential. NeuroImage, 2019, 199, 160-171.	4.2	31
32	Review: Using diffusion-weighted magnetic resonance imaging techniques to explore the microstructure and connectivity of subcortical white matter tracts in the human auditory system. Hearing Research, 2019, 377, 1-11.	2.0	6
33	P4â€580: GLOBAL WHITE MATTER FIBRE DEGENERATION AFTER ISCHAEMIC STROKE. Alzheimer's and Dementia, 2019, 15, P1543.	0.8	0
34	Reply: Cortical tau pathology: a major player in fibre-specific white matter reductions in Alzheimer's disease?. Brain, 2018, 141, e45-e45.	7.6	4
35	Fibre-specific white matter reductions in Alzheimerâ€™s disease and mild cognitive impairment. Brain, 2018, 141, 888-902.	7.6	226
36	Fibre-specific white matter changes in multiple sclerosis patients with optic neuritis. NeuroImage: Clinical, 2018, 17, 60-68.	2.7	56

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37	P2â€382: ADVANCED DIFFUSION MRI ENABLES <i>IN VIVO</i> INVESTIGATION OF MICROSTRUCTURAL HETEROGENEITY OF WHITE MATTER HYPERINTENSITIES IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P843.	0.8	1
38	ICâ€Pâ€184: ADVANCED DIFFUSION MRI ENABLES IN VIVO INVESTIGATION OF MICROSTRUCTURAL HETEROGENEITY OF WHITE MATTER HYPERINTENSITIES IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P153.	0.8	0
39	White matter alterations at pubertal onset. NeuroImage, 2017, 156, 286-292.	4.2	47
40	[P3â€“326]: FIXELâ€BASED ANALYSIS OF FIBRE TRACT DEGENERATION IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P1074.	0.8	0
41	[ICâ€Pâ€165]: FIXELâ€BASED ANALYSIS OF FIBRE TRACT DEGENERATION IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P124.	0.8	1
42	Age-related microstructural differences quantified using myelin water imaging and advanced diffusion MRI. Neurobiology of Aging, 2015, 36, 2107-2121.	3.1	183
43	Global tractography of multi-shell diffusion-weighted imaging data using a multi-tissue model. NeuroImage, 2015, 123, 89-101.	4.2	128
44	Multi-tissue constrained spherical deconvolution for improved analysis of multi-shell diffusion MRI data. NeuroImage, 2014, 103, 411-426.	4.2	1,063
45	Track Orientation Density Imaging (TODI) and Track Orientation Distribution (TOD) based tractography. NeuroImage, 2014, 94, 312-336.	4.2	37
46	Groupwise Deformable Registration of Fiber Track Sets Using Track Orientation Distributions. Mathematics and Visualization, 2014, , 151-161.	0.6	2
47	Atlas-Guided Global Tractography: Imposing a Prior on the Local Track Orientation. Mathematics and Visualization, 2014, , 115-123.	0.6	3
48	The associative-semantic network for words and pictures: Effective connectivity and graph analysis. Brain and Language, 2013, 127, 264-272.	1.6	40
49	Bimanual Motor Coordination in Older Adults Is Associated with Increased Functional Brain Connectivity â€“ A Graph-Theoretical Analysis. PLoS ONE, 2013, 8, e62133.	2.5	43
50	Graph analysis of functional brain networks for cognitive control of action in traumatic brain injury. Brain, 2012, 135, 1293-1307.	7.6	117
51	Motor learning-induced changes in functional brain connectivity as revealed by means of graph-theoretical network analysis. NeuroImage, 2012, 61, 633-650.	4.2	65
52	Feasibility and Advantages of Diffusion Weighted Imaging Atlas Construction in Q-Space. Lecture Notes in Computer Science, 2011, 14, 166-173.	1.3	13
53	Modeling brain dynamics after tumor resection using The Virtual Brain. Frontiers in Neuroscience, 0, 13, .	2.8	0