Jesper L R Andersson

List of Publications by Year
in descending order

26 papers	15,835 citations	394421 19 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	15190 citing authors

#	Article	IF	Citations
1	A multi-modal parcellation of human cerebral cortex. Nature, 2016, 536, 171-178.	27.8	3,634
2	An integrated approach to correction for off-resonance effects and subject movement in diffusion MR imaging. NeuroImage, 2016, 125, 1063-1078.	4.2	2,562
3	How to correct susceptibility distortions in spin-echo echo-planar images: application to diffusion tensor imaging. NeuroImage, 2003, 20, 870-888.	4.2	2,535
4	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. Nature Neuroscience, 2016, 19, 1523-1536.	14.8	1,414
5	Resting-state fMRI in the Human Connectome Project. NeuroImage, 2013, 80, 144-168.	4.2	1,367
6	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. NeuroImage, 2018, 166, 400-424.	4.2	1,026
7	The Human Connectome Project's neuroimaging approach. Nature Neuroscience, 2016, 19, 1175-1187.	14.8	825
8	Incorporating outlier detection and replacement into a non-parametric framework for movement and distortion correction of diffusion MR images. NeuroImage, 2016, 141, 556-572.	4.2	559
9	MSM: A new flexible framework for Multimodal Surface Matching. NeuroImage, 2014, 100, 414-426.	4.2	532
10	Towards a comprehensive framework for movement and distortion correction of diffusion MR images: Within volume movement. NeuroImage, 2017, 152, 450-466.	4.2	278
11	Non-parametric representation and prediction of single- and multi-shell diffusion-weighted MRI data using Gaussian processes. NeuroImage, 2015, 122, 166-176.	4.2	226
12	Improving alignment in Tract-based spatial statistics: Evaluation and optimization of image registration. NeuroImage, 2013, 76, 400-411.	4.2	174
13	Changes in white matter microstructure in the developing brain—A longitudinal diffusion tensor imaging study of children from 4 to 11 years of age. NeuroImage, 2016, 124, 473-486.	4.2	160
14	The Human Connectome Project: A retrospective. NeuroImage, 2021, 244, 118543.	4.2	114
15	Susceptibility-induced distortion that varies due to motion: Correction in diffusion MR without acquiring additional data. NeuroImage, 2018, 171, 277-295.	4.2	92
16	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. NeuroImage, 2020, 223, 117303.	4.2	81
17	The Developing Human Connectome Project: typical and disrupted perinatal functional connectivity. Brain, 2021, 144, 2199-2213.	7.6	75
18	Development of white matter microstructure in relation to verbal and visuospatial working memory—A longitudinal study. PLoS ONE, 2018, 13, e0195540.	2.5	48

#	ARTICLE	IF	CITATIONS
19	The Developing Human Connectome Project Neonatal Data Release. Frontiers in Neuroscience, 2022, 16, .	2.8	42
20	Optimising neonatal fMRI data analysis: Design and validation of an extended dHCP preprocessing pipeline to characterise noxious-evoked brain activity in infants. NeuroImage, 2019, 186, 286-300.	4.2	22
21	A Symmetric Prior for the Regularisation of Elastic Deformations: Improved anatomical plausibility in nonlinear image registration. NeuroImage, 2020, 219, 116962.	4.2	14
22	Breakdown of Whole-brain Dynamics in Preterm-born Children. Cerebral Cortex, 2020, 30, 1159-1170.	2.9	11
23	Cortical Morphology and White Matter Tractography of Three Phylogenetically Distant Primates: Evidence for a Simian Elaboration. Cerebral Cortex, 2022, 32, 1608-1624.	2.9	11
24	fMRI neurofeedback in the motor system elicits bidirectional changes in activity and in white matter structure in the adult human brain. Cell Reports, 2021, 37, 109890.	6.4	10
25	White matter microstructure of the extended limbic system in male and female youth with conduct disorder. Psychological Medicine, 2020, 50, 58-67.	4.5	8
26	Multimodal Imaging Brain Markers in Early Adolescence Are Linked with a Physically Active Lifestyle. Journal of Neuroscience, 2021, 41, 1092-1104.	3.6	8