Leon Y Cai

List of Publications by Year
in descending order

21 papers	**237** citations	1478505 **6** h-index	1372567 **10** g-index
27 all docs	**27** docs citations	**27** times ranked	**212** citing authors

#	Article	IF	Citations
1	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. PLoS ONE, 2020, 15, e0236418.	2.5	60
2	PreQual: An automated pipeline for integrated preprocessing and quality assurance of diffusion weighted MRI images. Magnetic Resonance in Medicine, 2021, 86, 456-470.	3.0	43
3	Fiber tractography bundle segmentation depends on scanner effects, vendor effects, acquisition resolution, diffusion sampling scheme, diffusion sensitization, and bundle segmentation workflow. NeuroImage, 2021, 242, 118451.	4.2	35
4	Aging and white matter microstructure and macrostructure: a longitudinal multi-site diffusion MRI study of 1218 participants. Brain Structure and Function, 2022, 227, 2111-2125.	2.3	25
5	MASiVar: Multisite, multiscanner, and multisubject acquisitions for studying variability in diffusion weighted MRI. Magnetic Resonance in Medicine, 2021, 86, 3304-3320.	3.0	16
6	Temporal lobe epilepsy lateralisation and surgical outcome prediction using diffusion imaging. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 599-608.	1.9	11
7	MRI network progression in mesial temporal lobe epilepsy related to healthy brain architecture. Network Neuroscience, 2021, 5, 434-450.	2.6	9
8	Tractostorm 2: Optimizing tractography dissection reproducibility with segmentation protocol dissemination. Human Brain Mapping, 2022, 43, 2134-2147.	3.6	8
9	Learning white matter subject€specific segmentation from structural MRI. Medical Physics, 2022, , .	3.0	4
10	EPI susceptibility correction introduces significant differences far from local areas of high distortion. Magnetic Resonance Imaging, 2022, 92, 1-9.	1.8	4
11	Joint cortical surface and structural connectivity analysis of Alzheimer's disease. , 2021, 11596, .		2
12	Validation of group-wise registration for surface-based functional MRI analysis. , 2021, 11596, .		1
13	Multimodal neuroimaging in pediatric type 1 diabetes: a pilot multisite feasibility study of acquisition quality, motion, and variability. , 2022, , .		1
14	Joint analysis of structural connectivity and cortical surface features: correlates with mild traumatic brain injury. , 2021, 11596, .		0
15	Joint independent component analysis for hypothesizing spatiotemporal relationships between longitudinal gray and white matter changes in preclinical Alzheimer's disease. , 2022, , .		0
16	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
17	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
18	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0

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19	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0
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21	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. , 2020, 15, e0236418.		0