

Maxime Chamberland

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,139
citations

430874

18
h-index

434195

31
g-index

51
all docs

51
docs citations

51
times ranked

2971
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutation-related magnetization transfer, not axon density, drives white matter differences in premanifest Huntington disease: Evidence from in vivo ultra-strong gradient MRI. Human Brain Mapping, 2022, 43, 3439-3460.	3.6	5
2	Surface-based tracking for short association fibre tractography. NeuroImage, 2022, 260, 119423.	4.2	17
3	Computing and visualising intra-voxel orientation-specific relaxation diffusion features in the human brain. Human Brain Mapping, 2021, 42, 310-328.	3.6	35
4	MICRA: Microstructural image compilation with repeated acquisitions. NeuroImage, 2021, 225, 117406.	4.2	20
5	Beyond Lesion-Load: Tractometry-Based Metrics for Characterizing White Matter Lesions within Fibre Pathways. Mathematics and Visualization, 2021, , 227-237.	0.6	4
6	Magnetic Resonance Imaging of T_2 - and Diffusion Anisotropy Using a Tilttable Receive Coil. Mathematics and Visualization, 2021, , 247-262.	0.6	0
7	Resolving bundle-specific intra-axonal T2 values within a voxel using diffusion-relaxation tract-based estimation. NeuroImage, 2021, 227, 117617.	4.2	28
8	Tract-specific MRI measures explain learning and recall differences in multiple sclerosis. Brain Communications, 2021, 3, fcab065. Measuring compartmental $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ -orientational	3.3	9
9	dependence in human brain white matter using a tilttable RF coil and diffusion- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ correlation MRI. NeuroImage, 2021, 236, 117967.	4.2	30
10	Detecting microstructural deviations in individuals with deep diffusion MRI tractometry. Nature Computational Science, 2021, 1, 598-606.	8.0	30
11	E05...Mutation-related apparent myelin, not axon density, drives white matter pathology in premanifest huntington's disease: evidence from in vivo ultra-strong gradient MRI. , 2021, , .		0
12	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	4.2	94
13	Tractostorm: The what, why, and how of tractography dissection reproducibility. Human Brain Mapping, 2020, 41, 1859-1874.	3.6	59
14	Multimodal principal component analysis to identify major features of white matter structure and links to reading. PLoS ONE, 2020, 15, e0233244.	2.5	32
15	Impact of b -value on estimates of apparent fibre density. Human Brain Mapping, 2020, 41, 2583-2595.	3.6	64
16	Acquiring and Predicting Multidimensional Diffusion (MUDI) Data: An Open Challenge. Mathematics and Visualization, 2020, , 195-208.	0.6	8
17	Title is missing!. , 2020, 15, e0233244.		0
18	Title is missing!. , 2020, 15, e0233244.		0

#	ARTICLE	IF	CITATIONS
19	Title is missing!. , 2020, 15, e0233244.		0
20	Title is missing!. , 2020, 15, e0233244.		0
21	Dimensionality reduction of diffusion MRI measures for improved tractometry of the human brain. NeuroImage, 2019, 200, 89-100.	4.2	84
22	Reducing variability in along-tract analysis with diffusion profile realignment. NeuroImage, 2019, 199, 663-679.	4.2	10
23	Obtaining Representative Core Streamlines for White Matter Tractometry of the Human Brain. Mathematics and Visualization, 2019, , 359-366.	0.6	8
24	Limits to anatomical accuracy of diffusion tractography using modern approaches. NeuroImage, 2019, 185, 1-11.	4.2	200
25	Mapping population-based structural connectomes. NeuroImage, 2018, 172, 130-145.	4.2	66
26	Meyer's loop tractography for image-guided surgery depends on imaging protocol and hardware. NeuroImage: Clinical, 2018, 20, 458-465.	2.7	30
27	On the Origin of Individual Functional Connectivity Variability: The Role of White Matter Architecture. Brain Connectivity, 2017, 7, 491-503.	1.7	27
28	Interactive Computation and Visualization of Structural Connectomes in Real-Time. Lecture Notes in Computer Science, 2017, , 35-41.	1.3	0
29	The challenge of mapping the human connectome based on diffusion tractography. Nature Communications, 2017, 8, 1349.	12.8	956
30	Neurophysiological evidence of preserved connectivity in tuber tissue. Epilepsy & Behavior Case Reports, 2017, 7, 64-68.	1.5	4
31	Active delineation of Meyer's loop using oriented priors through MAGNETic tractography (MAGNET). Human Brain Mapping, 2017, 38, 509-527.	3.6	42
32	3D interactive tractography-informed resting-state fMRI connectivity. Frontiers in Neuroscience, 2015, 9, 275.	2.8	33
33	Seeing More by Showing Less: Orientation-Dependent Transparency Rendering for Fiber Tractography Visualization. PLoS ONE, 2015, 10, e0139434.	2.5	14
34	Visualization of Diffusion Propagator and Multiple Parameter Diffusion Signal. Mathematics and Visualization, 2015, , 191-212.	0.6	3
35	Using fMRI non-local means denoising to uncover activation in sub-cortical structures at 1.5 T for guided HARDI tractography. Frontiers in Human Neuroscience, 2014, 8, 715.	2.0	23
36	Real-time multi-peak tractography for instantaneous connectivity display. Frontiers in Neuroinformatics, 2014, 8, 59.	2.5	67

#	ARTICLE	IF	CITATIONS
37	Collaborative patch-based super-resolution for diffusion-weighted images. NeuroImage, 2013, 83, 245-261.	4.2	83