

Olivier E Mougin

List of Publications by Year in descending order

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26
papers

1,050
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

2132
citing authors

#	ARTICLE	IF	CITATIONS
1	Water proton T1 measurements in brain tissue at 7, 3, and 1.5T using IR-EPI, IR-TSE, and MPRAGE: results and optimization. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 121-130.	2.0	222
2	Imaging central veins in brain lesions with 3-T T2*-weighted magnetic resonance imaging differentiates multiple sclerosis from microangiopathic brain lesions. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1289-1296.	3.0	103
3	Relationships between cortical myeloarchitecture and electrophysiological networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13510-13515.	7.1	96
4	Magnetization transfer phenomenon in the human brain at 7T. <i>NeuroImage</i> , 2010, 49, 272-281.	4.2	92
5	Combined White Matter Imaging Suggests Myelination Defects in Visual Processing Regions in Schizophrenia. <i>Neuropsychopharmacology</i> , 2013, 38, 1808-1815.	5.4	62
6	Regional structural differences across functionally parcellated Brodmann areas of human primary somatosensory cortex. <i>NeuroImage</i> , 2014, 93, 221-230.	4.2	55
7	Structural correlates of formal thought disorder in schizophrenia: An ultra-high field multivariate morphometry study. <i>Schizophrenia Research</i> , 2015, 168, 305-312.	2.0	55
8	Parkinson's disease related signal change in the nigrosomes and the substantia nigra using T2* weighted 7T MRI. <i>NeuroImage: Clinical</i> , 2018, 19, 683-689.	2.7	39
9	High-resolution imaging of magnetisation transfer and nuclear Overhauser effect in the human visual cortex at 7 T. <i>NMR in Biomedicine</i> , 2013, 26, 1508-1517.	2.8	36
10	Multi-site harmonization of 7 tesla MRI neuroimaging protocols. <i>NeuroImage</i> , 2020, 206, 116335.	4.2	36
11	The z-spectrum from human blood at 7T. <i>NeuroImage</i> , 2018, 167, 31-40.	4.2	29
12	Imaging gray matter with concomitant null point imaging from the phase sensitive inversion recovery sequence. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1512-1516.	3.0	27
13	Comparison of pulsed three-dimensional CEST acquisition schemes at 7 tesla: steady state versus pseudosteady state. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2280-2287.	3.0	25
14	Improved detection of focal cortical lesions using 7T magnetisation transfer imaging in patients with multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2014, 3, 258-265.	2.0	22
15	Multi-centre, multi-vendor reproducibility of 7T QSM and R2* in the human brain: Results from the UK7T study. <i>NeuroImage</i> , 2020, 223, 117358.	4.2	20
16	Cortical lesion load correlates with diffuse injury of multiple sclerosis normal appearing white matter. <i>Multiple Sclerosis Journal</i> , 2014, 20, 227-233.	3.0	18
17	Quantitative analysis of the z-spectrum using a numerically simulated look-up table: Application to the healthy human brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 645-655.	3.0	18
18	Is Human Auditory Cortex Organization Compatible With the Monkey Model? Contrary Evidence From Ultra-High-Field Functional and Structural MRI. <i>Cerebral Cortex</i> , 2019, 29, 410-428.	2.9	16

#	ARTICLE	IF	CITATIONS
19	Structural properties of the corticospinal tract in the human brain: a magnetic resonance imaging study at 7 Tesla. <i>Brain Structure and Function</i> , 2011, 216, 255-262.	2.3	14
20	Reduced Myelin Signal in Normal-appearing White Matter in Neuromyelitis Optica Measured by 7T Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2019, 9, 14378.	3.3	13
21	Aberrant myelination of the cingulum and Schneiderian delusions in schizophrenia: a 7T magnetization transfer study. <i>Psychological Medicine</i> , 2019, 49, 1890-1896.	4.5	11
22	Sevenâ€Tesla Magnetization Transfer Imaging to Detect Multiple Sclerosis White Matter Lesions. <i>Journal of Neuroimaging</i> , 2018, 28, 183-190.	2.0	10
23	Quantitative T1 mapping using multi-slice multi-shot inversion recovery EPI. <i>NeuroImage</i> , 2021, 234, 117976.	4.2	10
24	Histogram analysis of quantitative T_1 and MT maps from ultrahigh field MRI in clinically isolated syndrome and relapsingâ€remitting multiple sclerosis. <i>NMR in Biomedicine</i> , 2015, 28, 1374-1382.	2.8	8
25	Age-related differences in myeloarchitecture measured at 7 T. <i>Neurobiology of Aging</i> , 2020, 96, 246-254.	3.1	6
26	Phase enhanced PSIR T1 weighted imaging improves contrast resolution of the nucleus basalis of Meynert at 7â€T: a preliminary study. <i>Magnetic Resonance Imaging</i> , 2019, 61, 296-299.	1.8	5