Oula Puonti

List of Publications by Year
in descending order

25	900	840776 11	794594 19
papers	citations	h-index	g-index

29	29	29	1009
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linking lesions in sensorimotor cortex to contralateral hand function in multiple sclerosis: a 7â€…T MRI study. Brain, 2022, 145, 3522-3535.	7.6	6
2	A contrast-adaptive method for simultaneous whole-brain and lesion segmentation in multiple sclerosis. NeuroImage, 2021, 225, 117471.	4.2	54
3	Estimation of individually induced e-field strength during transcranial electric stimulation using the head circumference. Brain Stimulation, 2021, 14, 1055-1058.	1.6	16
4	On the reconstruction of magnetic resonance current density images of the human brain: Pitfalls and perspectives. NeuroImage, 2021, 243, 118517.	4.2	5
5	Multichannel anodal tDCS over the left dorsolateral prefrontal cortex in a paediatric population. Scientific Reports, 2021, 11, 21512.	3.3	14
6	Mapping cortico-subcortical sensitivity to 4 Hz amplitude modulation depth in human auditory system with functional MRI. NeuroImage, 2021, , 118745.	4.2	0
7	Limited Colocalization of Microbleeds and Microstructural Changes after Severe Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 581-592.	3.4	12
8	Value and limitations of intracranial recordings for validating electric field modeling for transcranial brain stimulation. NeuroImage, 2020, 208, 116431.	4.2	39
9	Migraine with aura in women is not associated with structural thalamic abnormalities. NeuroImage: Clinical, 2020, 28, 102361.	2.7	10
10	Two Coarse Spatial Patterns of Altered Brain Microstructure Predict Post-traumatic Amnesia in the Subacute Stage of Severe Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 800.	2.4	0
11	Accurate and robust whole-head segmentation from magnetic resonance images for individualized head modeling. NeuroImage, 2020, 219, 117044.	4.2	73
12	Accurate anatomical head segmentations: a data set for biomedical simulations. , 2019, 2019, 6118-6123.		6
13	A modality-adaptive method for segmenting brain tumors and organs-at-risk in radiation therapy planning. Medical Image Analysis, 2019, 54, 220-237.	11.6	31
14	SimNIBS 2.1: A Comprehensive Pipeline for Individualized Electric Field Modelling for Transcranial Brain Stimulation. , 2019, , 3-25.		115
15	Effects of transcranial direct current stimulation for treating depression: A modeling study. Journal of Affective Disorders, 2018, 234, 164-173.	4.1	59
16	Automatic skull segmentation from MR images for realistic volume conductor models of the head: Assessment of the state-of-the-art. NeuroImage, 2018, 174, 587-598.	4.2	198
17	Head models of healthy and depressed adults for simulating the effects of non-invasive brain stimulation. F1000Research, 2018, 7, 704.	1.6	10
18	Skull segmentation from MR scans using a higher-order shape model based on convolutional restricted Boltzmann machines. , 2018, , .		1

#	Article	IF	Citations
19	Head models of healthy and depressed adults forÂsimulating the electric fields of non-invasive electric brain stimulation. F1000Research, 2018, 7, 704.	1.6	15
20	An automatically generated texture-based atlas of the lungs. , 2018, , .		0
21	Brain Tumor Segmentation Using a Generative Model with an RBM Prior on Tumor Shape. Lecture Notes in Computer Science, 2016, , 168-180.	1.3	25
22	Fast and sequence-adaptive whole-brain segmentation using parametric Bayesian modeling. NeuroImage, 2016, 143, 235-249.	4.2	101
23	Simultaneous Whole-Brain Segmentation and White Matter Lesion Detection Using Contrast-Adaptive Probabilistic Models. Lecture Notes in Computer Science, 2016, , 9-20.	1.3	2
24	An Ensemble of 2D Convolutional Neural Networks for Tumor Segmentation. Lecture Notes in Computer Science, 2015, , 201-211.	1.3	73
25	Fast, Sequence Adaptive Parcellation of Brain MR Using Parametric Models. Lecture Notes in Computer Science, 2013, 16, 727-734.	1.3	11