

Oula Puonti

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

900
citations

840776

11
h-index

794594

19
g-index

29
all docs

29
docs citations

29
times ranked

1009
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic skull segmentation from MR images for realistic volume conductor models of the head: Assessment of the state-of-the-art. <i>NeuroImage</i> , 2018, 174, 587-598.	4.2	198
2	SimNIBS 2.1: A Comprehensive Pipeline for Individualized Electric Field Modelling for Transcranial Brain Stimulation. , 2019, , 3-25.		115
3	Fast and sequence-adaptive whole-brain segmentation using parametric Bayesian modeling. <i>NeuroImage</i> , 2016, 143, 235-249.	4.2	101
4	An Ensemble of 2D Convolutional Neural Networks for Tumor Segmentation. <i>Lecture Notes in Computer Science</i> , 2015, , 201-211.	1.3	73
5	Accurate and robust whole-head segmentation from magnetic resonance images for individualized head modeling. <i>NeuroImage</i> , 2020, 219, 117044.	4.2	73
6	Effects of transcranial direct current stimulation for treating depression: A modeling study. <i>Journal of Affective Disorders</i> , 2018, 234, 164-173.	4.1	59
7	A contrast-adaptive method for simultaneous whole-brain and lesion segmentation in multiple sclerosis. <i>NeuroImage</i> , 2021, 225, 117471.	4.2	54
8	Value and limitations of intracranial recordings for validating electric field modeling for transcranial brain stimulation. <i>NeuroImage</i> , 2020, 208, 116431.	4.2	39
9	A modality-adaptive method for segmenting brain tumors and organs-at-risk in radiation therapy planning. <i>Medical Image Analysis</i> , 2019, 54, 220-237.	11.6	31
10	Brain Tumor Segmentation Using a Generative Model with an RBM Prior on Tumor Shape. <i>Lecture Notes in Computer Science</i> , 2016, , 168-180.	1.3	25
11	Estimation of individually induced e-field strength during transcranial electric stimulation using the head circumference. <i>Brain Stimulation</i> , 2021, 14, 1055-1058.	1.6	16
12	Head models of healthy and depressed adults for simulating the electric fields of non-invasive electric brain stimulation. <i>F1000Research</i> , 2018, 7, 704.	1.6	15
13	Multichannel anodal tDCS over the left dorsolateral prefrontal cortex in a paediatric population. <i>Scientific Reports</i> , 2021, 11, 21512.	3.3	14
14	Limited Colocalization of Microbleeds and Microstructural Changes after Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 581-592.	3.4	12
15	Fast, Sequence Adaptive Parcellation of Brain MR Using Parametric Models. <i>Lecture Notes in Computer Science</i> , 2013, 16, 727-734.	1.3	11
16	Head models of healthy and depressed adults for simulating the effects of non-invasive brain stimulation. <i>F1000Research</i> , 2018, 7, 704.	1.6	10
17	Migraine with aura in women is not associated with structural thalamic abnormalities. <i>NeuroImage: Clinical</i> , 2020, 28, 102361.	2.7	10
18	Accurate anatomical head segmentations: a data set for biomedical simulations. , 2019, 2019, 6118-6123.		6

#	ARTICLE	IF	CITATIONS
19	Linking lesions in sensorimotor cortex to contralateral hand function in multiple sclerosis: a 7T MRI study. <i>Brain</i> , 2022, 145, 3522-3535.	7.6	6
20	On the reconstruction of magnetic resonance current density images of the human brain: Pitfalls and perspectives. <i>NeuroImage</i> , 2021, 243, 118517.	4.2	5
21	Simultaneous Whole-Brain Segmentation and White Matter Lesion Detection Using Contrast-Adaptive Probabilistic Models. <i>Lecture Notes in Computer Science</i> , 2016, , 9-20.	1.3	2
22	Skull segmentation from MR scans using a higher-order shape model based on convolutional restricted Boltzmann machines. , 2018, , .		1
23	Two Coarse Spatial Patterns of Altered Brain Microstructure Predict Post-traumatic Amnesia in the Subacute Stage of Severe Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 800.	2.4	0
24	An automatically generated texture-based atlas of the lungs. , 2018, , .		0
25	Mapping cortico-subcortical sensitivity to 4 Hz amplitude modulation depth in human auditory system with functional MRI. <i>NeuroImage</i> , 2021, , 118745.	4.2	0