Elena Najdenovska

List of Publications by Year
in descending order

21 papers	418 citations	759233 12 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	608 citing authors

#	Article	IF	Citations
1	In-vivo probabilistic atlas of human thalamic nuclei based on diffusion- weighted magnetic resonance imaging. Scientific Data, 2018, 5, 180270.	5.3	67
2	Robust thalamic nuclei segmentation method based on local diffusion magnetic resonance properties. Brain Structure and Function, 2017, 222, 2203-2216.	2.3	58
3	Assessing the clinical outcome of Vim radiosurgery with voxel-based morphometry: visual areas are linked with tremor arrest!. Acta Neurochirurgica, 2017, 159, 2139-2144.	1.7	40
4	Clinical response to Vim's thalamic stereotactic radiosurgery for essential tremor is associated with distinctive functional connectivity patterns. Acta Neurochirurgica, 2018, 160, 611-624.	1.7	40
5	Electrophysiological assessment of plant status outside a Faraday cage using supervised machine learning. Scientific Reports, 2019, 9, 17073.	3.3	33
6	Ventrolateral Motor Thalamus Abnormal Connectivity in Essential Tremor Before and After Thalamotomy: A Resting-State Functional Magnetic Resonance Imaging Study. World Neurosurgery, 2018, 113, e453-e464.	1.3	23
7	Comparison of MRI-based automated segmentation methods and functional neurosurgery targeting with direct visualization of the Ventro-intermediate thalamic nucleus at 7T. Scientific Reports, 2019, 9, 1119.	3.3	21
8	Normalization of aberrant pretherapeutic dynamic functional connectivity of extrastriate visual system in patients who underwent thalamotomy with stereotactic radiosurgery for essential tremor: a resting-state functional MRI study. Journal of Neurosurgery, 2020, 132, 1792-1801.	1.6	19
9	Partial-volume modeling reveals reduced gray matter in specific thalamic nuclei early in the time course of psychosis and chronic schizophrenia. Human Brain Mapping, 2020, 41, 4041-4061.	3.6	18
10	Deep brain stimulation after previous gamma knife thalamotomy of the Vim for essential tremor is feasible! Clinical, electrophysiological and radiological findings. Acta Neurochirurgica, 2017, 159, 1371-1373.	1.7	17
11	Classification of Plant Electrophysiology Signals for Detection of Spider Mites Infestation in Tomatoes. Applied Sciences (Switzerland), 2021, 11, 1414.	2.5	17
12	Visually-sensitive networks in essential tremor: evidence from structural and functional imaging. Brain, 2018, 141, e47-e47.	7.6	14
13	Improved susceptibility-weighted imaging for high contrast and resolution thalamic nuclei mapping at 7T. Magnetic Resonance in Medicine, 2020, 84, 1218-1234.	3.0	14
14	Pretherapeutic Motor Thalamus Resting-State Functional Connectivity with Visual Areas Predicts Tremor Arrest After Thalamotomy for Essential Tremor: Tracing the Cerebello-thalamo-visuo-motor Network. World Neurosurgery, 2018, 117, e438-e449.	1.3	11
15	Compressed sensing with signal averaging for improved sensitivity and motion artifact reduction in fluorine-19 MRI. NMR in Biomedicine, 2021, 34, e4418.	2.8	8
16	Pretherapeutic Functional Imaging Allows Prediction of Head Tremor Arrest After Thalamotomy for Essential Tremor: The Role of Altered Interconnectivity Between Thalamolimbic and Supplementary Motor Circuits. World Neurosurgery, 2018, 112, e479-e488.	1.3	7
17	Identifying General Stress in Commercial Tomatoes Based on Machine Learning Applied to Plant Electrophysiology. Applied Sciences (Switzerland), 2021, 11, 5640.	2.5	6
18	Thalamotomy for tremor normalizes aberrant pre-therapeutic visual cortex functional connectivity. Brain, 2019, 142, e57-e57.	7.6	4

#	Article	IF	Citations
19	Letter: Deep Brain Stimulation of the Pedunculopontine Nucleus Area in Parkinson Disease: Magnetic Resonance Imaging-Based Anatomoclinical Correlations and Optimal Target. Neurosurgery, 2019, 84, E103-E105.	1.1	1
20	Towards an Automated Segmentation of the Ventro-Intermediate Thalamic Nucleus. Lecture Notes in Computer Science, 2017, , 141-150.	1.3	0
21	Letter to the Editor. Resting-state functional MRI for functional neurosurgery: seeing the light?. Journal of Neurosurgery, 2019, 131, 1339-1340.	1.6	0