Daniel Jeanmonod

List of Publications by Year
in descending order

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43 papers	4,363 citations	201674 27 h-index	315739 38 g-index
44 all docs	44 docs citations	44 times ranked	4423 citing authors

#	Article	IF	Citations
1	Multiarchitectonic and stereotactic atlas of the human thalamus. Journal of Comparative Neurology, 1997, 387, 588-630.	1.6	546
2	Highâ€intensity focused ultrasound for noninvasive functional neurosurgery. Annals of Neurology, 2009, 66, 858-861.	5.3	395
3	Increased EEG power and slowed dominant frequency in patients with neurogenic pain. Brain, 2006, 129, 55-64.	7.6	366
4	A mean three-dimensional atlas of the human thalamus: Generation from multiple histological data. NeuroImage, 2010, 49, 2053-2062.	4.2	317
5	Transcranial magnetic resonance imagingâ€“guided focused ultrasound: noninvasive central lateral thalamotomy for chronic neuropathic pain. Neurosurgical Focus, 2012, 32, E1.	2.3	299
6	Persistent EEG overactivation in the cortical pain matrix of neurogenic pain patients. NeuroImage, 2006, 31, 721-731.	4.2	260
7	Human pallidothalamic and cerebellothalamic tracts: anatomical basis for functional stereotactic neurosurgery. Brain Structure and Function, 2008, 212, 443-463.	2.3	205
8	First experience with MR-guided focused ultrasound in the treatment of Parkinson's disease. Journal of Therapeutic Ultrasound, 2014, 2, 11.	2.2	201
9	Simultaneous EEG-fMRI during a Working Memory Task: Modulations in Low and High Frequency Bands. PLoS ONE, 2010, 5, e10298.	2.5	175
10	Thalamus and neurogenic pain. NeuroReport, 1993, 4, 475-478.	1.2	153
11	High thalamocortical theta coherence in patients with neurogenic pain. NeuroImage, 2008, 39, 1910-1917.	4.2	151
12	Temporo-insular enhancement of EEG low and high frequencies in patients with chronic tinnitus. QEEG study of chronic tinnitus patients. BMC Neuroscience, 2010, 11, 40.	1.9	126
13	High Thalamocortical Theta Coherence in Patients with Parkinson's Disease. Journal of Neuroscience, 2007, 27, 124-131.	3.6	112
14	EEG alpha distinguishes between cuneal and precuneal activation in working memory. NeuroImage, 2008, 40, 1296-1310.	4.2	107
15	Enhanced frontal low and high frequency power and synchronization in the resting EEG of parkinsonian patients. NeuroImage, 2008, 41, 985-997.	4.2	101
16	Incisionless transcranial MR-guided focused ultrasound in essential tremor: cerebellothalamic tractotomy. Journal of Therapeutic Ultrasound, 2016, 4, 5.	2.2	97
17	Microsurgical DREZ-otomy for the Treatment of Spasticity and Pain in the Lower Limbs. Neurosurgery, 1989, 24, 655-670.	1.1	91
18	Divergence and convergence of thalamocortical projections to premotor and supplementary motor cortex: a multiple tracing study in the macaque monkey. European Journal of Neuroscience, 2005, 21, 1007-1029.	2.6	77

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19	Neurochemical organization of the human basal ganglia: Anatomofunctional territories defined by the distributions of calciumâ€binding proteins and SMIâ€32. Journal of Comparative Neurology, 2002, 443, 86-103.	1.6	69
20	Pain Ratings, Psychological Functioning and Quantitative EEG in a Controlled Study of Chronic Back Pain Patients. PLoS ONE, 2012, 7, e31138.	2.5	58
21	Somatosensory function following dorsal root entry zone lesions in patients with neurogenic pain or spasticity. Journal of Neurosurgery, 1991, 74, 916-932.	1.6	47
22	Safety and accuracy of incisionless transcranial MR-guided focused ultrasound functional neurosurgery: single-center experience with 253 targets in 180 treatments. Journal of Neurosurgery, 2019, 130, 1234-1243.	1.6	46
23	MR-guided focused ultrasound technique in functional neurosurgery: targeting accuracy. Journal of Therapeutic Ultrasound, 2013, 1, 3.	2.2	45
24	Microanatomic and Vascular Aspects of the Temporomesial Region. Neurosurgery, 1998, 43, 1118-1136.	1.1	39
25	MRgFUS Pallidothalamic Tractotomy for Chronic Therapy-Resistant Parkinson's Disease in 51 Consecutive Patients: Single Center Experience. Frontiers in Surgery, 2019, 6, 76.	1.4	38
26	Measurement of targeting accuracy in focused ultrasound functional neurosurgery. Neurosurgical Focus, 2012, 32, E2.	2.3	35
27	Strain fields in histological slices of brain tissue determined by synchrotron radiation-based micro computed tomography. Journal of Neuroscience Methods, 2008, 170, 149-155.	2.5	28
28	Bilateral MR-Guided Focused Ultrasound Pallidothalamic Tractotomy for Parkinson's Disease With 1-Year Follow-Up. Frontiers in Neurology, 2021, 12, 601153.	2.4	28
29	A revival of Spiegel's campotomy: long term results of the stereotactic pallidothalamic tractotomy against the parkinsonian thalamocortical dysrhythmia. Thalamus & Related Systems, 2005, 3, 121.	0.5	26
30	A computational model of thalamocortical dysrhythmia. European Journal of Neuroscience, 2011, 33, 1281-1290.	2.6	26
31	Correlations between EEG and clinical outcome in chronic neuropathic pain: surgical effects and treatment resistance. Brain Imaging and Behavior, 2011, 5, 329-348.	2.1	24
32	MR-Guided Focused Ultrasound Central Lateral Thalamotomy for Trigeminal Neuralgia. Single Center Experience. Frontiers in Neurology, 2020, 11, 271.	2.4	19
33	MR-guided focused ultrasound cerebellothalamic tractotomy for chronic therapy-resistant essential tremor: anatomical target reappraisal and clinical results. Journal of Neurosurgery, 2021, 134, 376-385.	1.6	16
34	Anatomical and Technical Reappraisal of the Pallidothalamic Tractotomy With the Incisionless Transcranial MR-Guided Focused Ultrasound. A Technical Note. Frontiers in Surgery, 2019, 6, 2.	1.4	13
35	Radiological and Thermal Dose Correlations in Pallidothalamic Tractotomy With MRgFUS. Frontiers in Surgery, 2019, 6, 28.	1.4	8
36	Cognitive Functioning, Emotional Processing, Mood, and Personality Variables Before and After Stereotactic Surgery. Neurosurgery, 2013, 73, 121-128.	1.1	7

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37	Effects of Cerebellothalamic Tractotomy on Cognitive and Emotional Functioning in Essential Tremor: A Preliminary Study in 5 Essential Tremor Patients. Stereotactic and Functional Neurosurgery, 2015, 93, 127-132.	1.5	6
38	Efferent Connections of the Human Striatum and Pallidum: A Nauta Degeneration Study. , 2001, , 61-65.		2
39	Transcranial MR-guided High Intensity Focused Ultrasound for Non-Invasive Functional Neurosurgery. , 2010, , .		1
40	Functional Neurosurgery in the Human Thalamus by Transcranial Magnetic Resonance Guided Focused Ultrasound. , 2009, , .		0
41	Letter to the Editor. Magnetic resonanceâ€“guided focused ultrasound and essential tremor. Neurosurgical Focus, 2018, 45, E14.	2.3	0
42	Consciousness: A Riddle and a Key in Neuroscience and Spirituality. Studies in Neuroscience, Consciousness and Spirituality, 2011, , 75-79.	0.2	0
43	A new stereotaxic multiarchitectonic atlas of the human thalamus in a 3D MRI navigation system. Informatik Aktuell, 1998, , 289-293.	0.6	0