

Alim Louis Benabid

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

4,931
citations

257450

24
h-index

345221

36
g-index

39
all docs

39
docs citations

39
times ranked

4707
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep brain stimulation of the subthalamic nucleus for the treatment of Parkinson's disease. <i>Lancet Neurology, The</i> , 2009, 8, 67-81.	10.2	1,105
2	Chronic electrical stimulation of the ventralis intermedius nucleus of the thalamus as a treatment of movement disorders. <i>Journal of Neurosurgery</i> , 1996, 84, 203-214.	1.6	991
3	Deep brain stimulation for Parkinson's disease. <i>Current Opinion in Neurobiology</i> , 2003, 13, 696-706.	4.2	703
4	Subthalamic Nucleus Lesion in Rats Prevents Dopaminergic Nigral Neuron Degeneration After Striatal 6-OHDA Injection: Behavioural and Immunohistochemical Studies. <i>European Journal of Neuroscience</i> , 1996, 8, 1408-1414.	2.6	222
5	An exoskeleton controlled by an epidural wireless brain-machine interface in a tetraplegic patient: a proof-of-concept demonstration. <i>Lancet Neurology, The</i> , 2019, 18, 1112-1122.	10.2	212
6	Deep brain stimulation of the corpus luyisi (subthalamic nucleus) and other targets in Parkinson's disease. Extension to new indications such as dystonia and epilepsy. <i>Journal of Neurology</i> , 2001, 248, 37-47.	3.6	172
7	WIMAGINE: Wireless 64-Channel ECoG Recording Implant for Long Term Clinical Applications. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 10-21.	4.9	142
8	Antiepileptic Effect of High-frequency Stimulation of the Subthalamic Nucleus (Corpus Luyisi) in a Case of Medically Intractable Epilepsy Caused by Focal Dysplasia: A 30-month Follow-up: Technical Case Report. <i>Neurosurgery</i> , 2002, 50, 1385-1392.	1.1	140
9	Functional MRI of the human brain. <i>NeuroReport</i> , 1994, 5, 813-816.	1.2	138
10	What the future holds for deep brain stimulation. <i>Expert Review of Medical Devices</i> , 2007, 4, 895-903.	2.8	99
11	Sleep induced by stimulation in the human pedunculopontine nucleus area. <i>Annals of Neurology</i> , 2010, 67, 546-549.	5.3	93
12	Deep Brain Stimulation for Obsessive-Compulsive Disorder: Subthalamic Nucleus Target. <i>World Neurosurgery</i> , 2013, 80, S31.e1-S31.e8.	1.3	92
13	Imaging of subthalamic nucleus and ventralis intermedius of the thalamus. <i>Movement Disorders</i> , 2002, 17, S123-S129.	3.9	84
14	From hypothalamic hamartoma to cortex: what can be learnt from depth recordings and stimulation?. <i>Epileptic Disorders</i> , 2003, 5, 205-17.	1.3	83
15	Deep-brain stimulation in Parkinson's disease: long-term efficacy and safety - What happened this year?. <i>Current Opinion in Neurology</i> , 2005, 18, 623-630.	3.6	75
16	Response to levodopa in parkinsonian patients with bilateral subthalamic nucleus stimulation. <i>Brain</i> , 2002, 125, 2408-2417.	7.6	73
17	Functional neurosurgery for movement disorders: a historical perspective. <i>Progress in Brain Research</i> , 2009, 175, 379-391.	1.4	71
18	An Algorithm for Rapid Calculation of a Probabilistic Functional Atlas of Subcortical Structures from Electrophysiological Data Collected during Functional Neurosurgery Procedures. <i>NeuroImage</i> , 2003, 18, 143-155.	4.2	59

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19	Chronic Electrical Stimulation of the Ventralis Intermedius Nucleus of the Thalamus and of Other Nuclei as a Treatment for Parkinson's Disease. <i>Techniques in Neurosurgery</i> , 1999, 5, 5-30.	0.3	54
20	New targets for DBS. <i>Parkinsonism and Related Disorders</i> , 2012, 18, S21-S23.	2.2	53
21	A Probabilistic Functional Atlas of the VIM Nucleus Constructed from Pre-, Intra- and Postoperative Electrophysiological and Neuroimaging Data Acquired during the Surgical Treatment of Parkinson's Disease Patients. <i>Stereotactic and Functional Neurosurgery</i> , 2005, 83, 190-196.	1.5	39
22	A Probabilistic Functional Atlas of the Human Subthalamic Nucleus. <i>Neuroinformatics</i> , 2004, 2, 381-398.	2.8	34
23	Endoventricular Deep Brain Stimulation of the Third Ventricle. <i>Neurosurgery</i> , 2016, 79, 806-815.	1.1	32
24	Effect of Bilateral Subthalamic Nucleus Stimulation and Dopatherapy on Oral Control in Parkinson's Disease. <i>European Neurology</i> , 1999, 42, 136-140.	1.4	31
25	Superior colliculus firing changes after lesion or electrical stimulation of the subthalamic nucleus in the rat. <i>Brain Research</i> , 2002, 943, 93-100.	2.2	20
26	Correlation between the Anatomical and Functional Human Subthalamic Nucleus. <i>Stereotactic and Functional Neurosurgery</i> , 2007, 85, 88-93.	1.5	19
27	Neuroprotective Surgical Strategies in Parkinson's Disease: Role of Preclinical Data. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2190.	4.1	17
28	Iterative N-way partial least squares for a binary self-paced brain-computer interface in freely moving animals. <i>Journal of Neural Engineering</i> , 2011, 8, 046012.	3.5	17
29	Targeting the caudal intralaminar nuclei for functional neurosurgery of movement disorders. <i>Brain Research Bulletin</i> , 2009, 78, 109-112.	3.0	15
30	Deep brain stimulation. <i>Progress in Brain Research</i> , 2011, 194, 71-82.	1.4	13
31	An adaptive closed-loop ECoG decoder for long-term and stable bimanual control of an exoskeleton by a tetraplegic. <i>Journal of Neural Engineering</i> , 2022, 19, 026021.	3.5	13
32	Letters. <i>ATLA Alternatives To Laboratory Animals</i> , 2015, 43, 205-206.	1.0	8
33	Dear Editor. <i>ATLA Alternatives To Laboratory Animals</i> , 2015, 43, 427-428.	1.0	5
34	Intracranial functional MR angiography in humans. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1994, 2, 343-345.	2.0	2
35	Subthalamic Deep Brain Stimulation for Parkinson's Disease. , 2011, , 944-962.		2
36	Apport thérapeutique et physiopathologique de la stimulation des structures cérébrales profondes dans la maladie de Parkinson. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2003, 187, 305-322.	0.0	1

#	ARTICLE	IF	CITATIONS
37	Chapter 42 Deep brain stimulation in Parkinson's disease: technique and prospective, facts and comments. Handbook of Clinical Neurophysiology, 2003, , 697-713.	0.0	0