

# JÃ©rÃ©me Coste

## List of Publications by Year in descending order

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43  
papers

641  
citations

623734

14  
h-index

610901

24  
g-index

57  
all docs

57  
docs citations

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times ranked

867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural correlates of consciousness and related disorders: From phenotypic descriptors of behavioral and relative consciousness to cortico-subcortical circuitry. <i>Neurochirurgie</i> , 2022, 68, 212-222.	1.2	6
2	Disrupted Pallido-Thalamo-Cortical Functional Connectivity in Chronic Disorders of Consciousness. <i>Brain Sciences</i> , 2021, 11, 356.	2.3	7
3	Early Deformation of Deep Brain Stimulation Electrodes Following Surgical Implantation: Intracranial, Brain, and Electrode Mechanics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 657875.	4.1	6
4	Risk-Taking Behaviors of Adult Bedridden Patients in Neurosurgery: What Could/Should We Do?. <i>Frontiers in Medicine</i> , 2021, 8, 676538.	2.6	1
5	Atlas Optimization for Deep Brain Stimulation. <i>IFMBE Proceedings</i> , 2021, , 130-142.	0.3	0
6	Neural correlates of rehabilitation program with robot-assisted intensive therapy in one case of Holmes tremor. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 64, 101411.	2.3	1
7	Anatomical brain structures normalization for deep brain stimulation in movement disorders. <i>NeuroImage: Clinical</i> , 2020, 27, 102271.	2.7	23
8	Stimulation maps: visualization of results of quantitative intraoperative testing for deep brain stimulation surgery. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 771-784.	2.8	6
9	MRI Atlas of the Human Deep Brain. <i>Frontiers in Neurology</i> , 2019, 10, 851.	2.4	8
10	Pulse generator battery life in deep brain stimulation: out with the old in with the less durable?. <i>Acta Neurochirurgica</i> , 2019, 161, 2043-2046.	1.7	6
11	Analysis of adverse effects of stimulation during DBS surgery by patient-specific FEM simulations. , 2018, 2018, 2222-2225.		1
12	Deep brain stimulation in five patients with severe disorders of consciousness. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 1372-1384.	3.7	43
13	Brain Diffusion Imaging and Tractography to Distinguish Clinical Severity of Human &lt;b>&lt;i>PLP1</i></b>-Related Disorders. <i>Developmental Neuroscience</i> , 2018, 40, 301-311.	2.0	5
14	Anatomical predictors of cognitive decline after subthalamic stimulation in Parkinson&#x2019;s disease. <i>Brain Structure and Function</i> , 2018, 223, 3063-3072.	2.3	11
15	A novel assistive method for rigidity evaluation during deep brain stimulation surgery using acceleration sensors. <i>Journal of Neurosurgery</i> , 2017, 127, 602-612.	1.6	10
16	Cerebral quantitative DTI and tractography in 25 patients with PLP1-related disorders. <i>European Journal of Paediatric Neurology</i> , 2017, 21, e76.	1.6	0
17	Intraoperative acceleration measurements to quantify improvement in tremor during deep brain stimulation surgery. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 845-858.	2.8	15
18	Patient-Specific Electric Field Simulations and Acceleration Measurements for Objective Analysis of Intraoperative Stimulation Tests in the Thalamus. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 577.	2.0	17

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19	Timeâ€course of myelination and atrophy on cerebral imaging in 35 patients with <i><sc>PLP</sc> 1</i>â€related disorders. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 706-713.	2.1	20
20	Personalized mapping of the deep brain with a white matter attenuated inversion recovery (WAIR) sequence at 1.5-tesla: Experience based on a series of 156Âpatients. <i>Neurochirurgie</i> , 2016, 62, 183-189.	1.2	12
21	XXIInd Congress of the European Society for Stereotactic and Functional Neurosurgery. Madrid, Spain, September 28-October 1, 2016: Abstracts. <i>Stereotactic and Functional Neurosurgery</i> , 2016, 94, 1-132.	1.5	0
22	Subthalamus stimulation in Parkinson disease: Accounting for the bilaterality of contacts. , 2016, 7, 837.		3
23	Use of quantitative tremor evaluation to enhance target selection during deep brain stimulation surgery for essential tremor. <i>Current Directions in Biomedical Engineering</i> , 2015, 1, 488-492.	0.4	1
24	ISDN2014_0298: REMOVED: Cerebral atrophy is linked to clinical severity and worsens with aging in patients with Pelizaeusâ€™Merzbacher disease and Spastic Paraplegia type 2. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 90-90.	1.6	0
25	Electrical modulation of neuronal networks in brain-injured patients with disorders of consciousness: A systematic review. <i>Annales Francaises D'Anesthesie Et De Reanimation</i> , 2014, 33, 88-97.	1.4	21
26	A method to quantitatively evaluate changes in tremor during deep brain stimulation surgery. , 2013, , .		3
27	Intraoperative optical flow based tremor evaluation - a feasibility study. <i>Biomedizinische Technik</i> , 2013, 58 Suppl 1, .	0.8	1
28	Using acceleration sensors to quantify symptoms during deep brain stimulation surgery. <i>Biomedizinische Technik</i> , 2013, 58 Suppl 1, .	0.8	2
29	Quantitative rigidity evaluation during deep brain stimulation surgery - a preliminary study. <i>Biomedizinische Technik</i> , 2012, 57, .	0.8	0
30	Direct stereotactic targeting of the ventrointermediate nucleus of the thalamus based on anatomic 1.5-T MRI mapping with a white matter attenuated inversion recovery (WAIR) sequence. <i>Brain Stimulation</i> , 2012, 5, 625-633.	1.6	66
31	Conscious behavior after traumatic brain injury: Anatomico-functional support and therapeutic prospects. <i>Annals of Physical and Rehabilitation Medicine</i> , 2011, 54, e213-e214.	2.3	0
32	Basal ganglia dysfunction in OCD: subthalamic neuronal activity correlates with symptoms severity and predicts high-frequency stimulation efficacy. <i>Translational Psychiatry</i> , 2011, 1, e5-e5.	4.8	74
33	Subthalamic Nucleus Location: Relationships between Stereotactic AC-PC-Based Diagrams and MRI Anatomy-Based Contours. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 337-347.	1.5	17
34	Contact position analysis of deep brain stimulation electrodes on post-operative CT images. <i>Acta Neurochirurgica</i> , 2009, 151, 823-829.	1.7	51
35	New electrophysiological mapping combined with MRI in parkinsonianâ€™s subthalamic region. <i>European Journal of Neuroscience</i> , 2009, 29, 1627-1633.	2.6	14
36	Postoperative control in deep brain stimulation of the subthalamic region: the contact membership concept. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2008, 3, 69-77.	2.8	5

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37	A Role For Wind-Up in Trigeminal Sensory Processing: Intensity Coding of Nociceptive Stimuli in the Rat. Cephalalgia, 2008, 28, 631-639.	3.9	40
38	Dorsal horn NK1-expressing neurons control windup of downstream trigeminal nociceptive neurons. Pain, 2008, 137, 340-351.	4.2	20
39	Brain mapping in stereotactic surgery: A brief overview from the probabilistic targeting to the patient-based anatomic mapping. NeuroImage, 2007, 37, S109-S115.	4.2	54
40	A Tool for Topographic Analysis of Electrode Contacts in Human Cortical Stimulation. , 2007, , .		2
41	MRI anatomical mapping and direct stereotactic targeting in the subthalamic region: functional and anatomical correspondence in Parkinsonâ€™s disease. International Journal of Computer Assisted Radiology and Surgery, 2007, 2, 75-85.	2.8	24
42	Bidirectional modulation of windup by NMDA receptors in the rat spinal trigeminal nucleus. European Journal of Neuroscience, 2004, 19, 2009-2016.	2.6	11
43	NO Synthesis, Unlike Respiration, Influences Intracellular Oxygen Tension. Biochemical and Biophysical Research Communications, 2002, 290, 97-104.	2.1	3