Tejas Sankar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6616877/publications.pdf

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64	1,674	393982	301761
papers	citations	19	39
		h-index	g-index

67	67	67	2600
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MR-guided focused ultrasound thalamotomy for essential tremor: a proof-of-concept study. Lancet Neurology, The, 2013, 12, 462-468.	4.9	475
2	Deep Brain Stimulation Influences Brain Structure in Alzheimer's Disease. Brain Stimulation, 2015, 8, 645-654.	0.7	162
3	Deep brain stimulation for ParkinsonÊ¼s disease and other movement disorders. Current Opinion in Neurology, 2013, 26, 374-380.	1.8	96
4	Miniaturized Handheld Confocal Microscopy for Neurosurgery. Neurosurgery, 2010, 66, 410-418.	0.6	77
5	Deep brain stimulation of the ventromedial prefrontal cortex causes reorganization of neuronal processes and vasculature. NeuroImage, 2016, 125, 422-427.	2.1	41
6	Structural brain changes following subthalamic nucleus deep brain stimulation in Parkinson's disease. Movement Disorders, 2016, 31, 1423-1425.	2.2	38
7	Neuromodulation for treatment-refractory major depressive disorder. Cmaj, 2014, 186, 33-39.	0.9	35
8	Deep brain stimulation. Progress in Brain Research, 2011, 194, 83-95.	0.9	34
9	Beta coherence within human ventromedial prefrontal cortex precedes affective value choices. NeuroImage, 2014, 85, 769-778.	2.1	33
10	Intracranial Implantation with Subsequent 3D In Vivo Bioluminescent Imaging of Murine Gliomas. Journal of Visualized Experiments, 2011, , e3403.	0.2	32
11	Deep Brain Stimulation for Disorders of Memory and Cognition. Neurotherapeutics, 2014, 11, 527-534.	2.1	31
12	Deep Brain Stimulation as Clinical Innovation. Neurosurgery, 2016, 79, 3-10.	0.6	31
13	The Influence of Corticosteroids on Diagnostic Accuracy of Biopsy for Primary Central Nervous System Lymphoma. Canadian Journal of Neurological Sciences, 2016, 43, 721-725.	0.3	31
14	Temporal lobe epilepsy: Differential pattern of damage in temporopolar cortex and white matter. Human Brain Mapping, 2008, 29, 931-944.	1.9	30
15	3-Tesla MRI in patients with fully implanted deep brain stimulation devices: a preliminary study in 10 patients. Journal of Neurosurgery, 2017, 127, 892-898.	0.9	30
16	Magnetic resonance imaging volumetric assessment of the extent of contrast enhancement and resection in oligodendroglial tumors. Journal of Neurosurgery, 2012, 116, 1172-1181.	0.9	27
17	Deep Brain Stimulation Target Selection for Parkinsonâ€™s Disease. Canadian Journal of Neurological Sciences, 2017, 44, 3-8.	0.3	26
18	Activated autologous macrophage implantation in a large-animal model of spinal cord injury. Neurosurgical Focus, 2008, 25, E3.	1.0	24

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19	Your algorithm might think the hippocampus grows in Alzheimer's disease: Caveats of longitudinal automated hippocampal volumetry. Human Brain Mapping, 2017, 38, 2875-2896.	1.9	22
20	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. Journal of Psychiatry and Neuroscience, 2020, 45, 45-54.	1.4	22
21	Prospective serial proton MR spectroscopic assessment of response to tamoxifen for recurrent malignant glioma. Journal of Neuro-Oncology, 2008, 90, 63-76.	1.4	21
22	Novel applications of deep brain stimulation. , 2012, 3, 26.		21
23	Neurosurgical implications of mannitol accumulation within a meningioma and its peritumoral region demonstrated by magnetic resonance spectroscopy. Journal of Neurosurgery, 2008, 108, 1010-1013.	0.9	19
24	Surgical Approach to l-Dopa-Induced Dyskinesias. International Review of Neurobiology, 2011, 98, 151-171.	0.9	19
25	Progressive contralateral hippocampal atrophy following surgery for medically refractory temporal lobe epilepsy. Epilepsy Research, 2016, 125, 62-71.	0.8	18
26	Hippocampal and trigeminal nerve volume predict outcome of surgical treatment for trigeminal neuralgia. Cephalalgia, 2020, 40, 586-596.	1.8	18
27	Monocyte galactose/N-acetylgalactosamine-specific C-type lectin receptor stimulant immunotherapy of an experimental glioma. Part 1: stimulatory effects on blood monocytes and monocyte-derived cells of the brain. Cancer Management and Research, 2012, 4, 309.	0.9	17
28	COMPARATIVE STUDY OF CRANIAL TOPOGRAPHIC PROCEDURES. Neurosurgery, 2008, 62, 294-310.	0.6	12
29	Explicit Separation of Growth andÂMotility inÂaÂNew Tumor Cord Model. Bulletin of Mathematical Biology, 2009, 71, 585-601.	0.9	12
30	Association between Graduate Degrees and Publication Productivity in Academic Neurosurgery. Canadian Journal of Neurological Sciences, 2020, 47, 666-674.	0.3	11
31	Monocyte galactose/N-acetylgalactosamine-specific C-type lectin receptor stimulant immunotherapy of an experimental glioma. Part II: combination with external radiation improves survival. Cancer Management and Research, 2012, 4, 325.	0.9	10
32	Safety of repetitive transcranial magnetic stimulation in patients with implanted cortical electrodes. An ex-vivo study and report of a case. Clinical Neurophysiology, 2017, 128, 1109-1115.	0.7	10
33	The thalamus in trigeminal neuralgia: structural and metabolic abnormalities, and influence on surgical response. BMC Neurology, 2021, 21, 290.	0.8	10
34	Pediatric Traumatic Retroclival Epidural Hematoma. Canadian Journal of Neurological Sciences, 2011, 38, 338-340.	0.3	9
35	Launch of the Canadian Neurosurgery Research Collaborative. Canadian Journal of Neurological Sciences, 2017, 44, 204-206.	0.3	9
36	Brain Retraction and Thickness of Cerebral Neocortex. Operative Neurosurgery, 2010, 67, ons277-ons282.	0.4	8

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37	Magnetic Resonance Imaging Distortion in Functional Neurosurgery. World Neurosurgery, 2011, 75, 29-31.	0.7	8
38	Longitudinal hippocampal and extra-hippocampal microstructural and macrostructural changes following temporal lobe epilepsy surgery. Epilepsy Research, 2018, 140, 128-137.	0.8	8
39	Predicting highâ€intensity focused ultrasound thalamotomy lesions using 2D magnetic resonance thermometry and 3D Gaussian modeling. Medical Physics, 2019, 46, 5722-5732.	1.6	8
40	DBS-Edmonton App, a Tool to Manage Patient Expectations of DBS in Parkinson Disease. Neurology: Clinical Practice, 2021, 11, e308-e316.	0.8	7
41	Bilateral Thalamic Infarction Following Transsphenoidal Surgery. Canadian Journal of Neurological Sciences, 2008, 35, 522-525.	0.3	6
42	Brain-Machine Interfaces for Motor Control: A Guide for Neuroscience Clinicians. Canadian Journal of Neurological Sciences, 2012, 39, 11-22.	0.3	6
43	Operative Landscape at Canadian Neurosurgery Residency Programs. Canadian Journal of Neurological Sciences, 2017, 44, 415-419.	0.3	6
44	Some Recent Trends and Further Promising Directions in Functional Neurosurgery. , 2013, 117, 87-92.		5
45	Intraoperative changes in the H-reflex pathway during deep brain stimulation surgery for Parkinsonâ€™s disease: A potential biomarker for optimal electrode placement. Brain Stimulation, 2020, 13, 1765-1773.	0.7	5
46	The Metabolic Epicenter of Supratentorial Gliomas: A¹H-MRSI Study. Canadian Journal of Neurological Sciences, 2009, 36, 696-706.	0.3	4
47	MRI Texture Analysis Reveals Brain Abnormalities in Medically Refractory Trigeminal Neuralgia. Frontiers in Neurology, 2021, 12, 626504.	1.1	4
48	Magnetic Resonance Imaging and Deep Brain Stimulation: Questions of Safety. World Neurosurgery, 2011, 76, 71-73.	0.7	3
49	Early-onset parkinsonism induced by pallidal deep brain stimulation in cervical dystonia. Parkinsonism and Related Disorders, 2016, 29, 140-142.	1.1	3
50	Deep Brain Stimulation as a Rescue When Duodenal Levodopa Infusion Fails. Canadian Journal of Neurological Sciences, 2019, 46, 130-131.	0.3	3
51	High spatial resolution nerveâ€specific DTI protocol outperforms wholeâ€brain DTI protocol for imaging the trigeminal nerve in healthy individuals. NMR in Biomedicine, 2021, 34, e4427.	1.6	3
52	Letter: Commentary: Deep Brain Stimulation as Clinical Innovation: An Ethical and Organizational Framework to Sustain Deliberations about Psychiatric Deep Brain Stimulation. Neurosurgery, 2017, 80, E269-E270.	0.6	2
53	Early diffusion restriction of white matter in infants with small subdural hematomas is associated with delayed atrophy. Child's Nervous System, 2017, 33, 289-295.	0.6	2
54	Acute and reversible crying following deep brain stimulation targeting the globus pallidus interna in dystonia. Journal of the Neurological Sciences, 2018, 388, 76-78.	0.3	2

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55	Pre-operative Limbic System Functional Connectivity Distinguishes Responders From Non-responders to Surgical Treatment for Trigeminal Neuralgia. Frontiers in Neurology, 2021, 12, 716500.	1.1	2
56	Editorial: Magnetic resonance imaging and deep brain stimulation. Journal of Neurosurgery, 2011, 115, 849-851.	0.9	1
57	The Neurosurgical Treatment of Depression: Can it Supersede Psychopharmacology?. Journal of Microbiology and Biotechnology, 2011, 21, 175-178.	0.9	1
58	Editorial. Journal of Neurosurgery, 2012, 116, 82-83.	0.9	1
59	Comparison of Prognostic Scoring Systems to Predict Durable Pain Relief After Microvascular Decompression for Trigeminal Neuralgia. World Neurosurgery, 2022, 157, e432-e440.	0.7	1
60	Editorial: Right hemisphere language. Journal of Neurosurgery, 2011, 114, 891-892.	0.9	0
61	Introduction: Functional imaging. Neurosurgical Focus, 2013, 34, Introduction.	1.0	0
62	Alzheimer's disease: a novel application for deep-brain stimulation?. Future Neurology, 2015, 10, 297-300.	0.9	0
63	Depleting implanted pulse generator (IPG) battery voltage is associated with worsening clinical symptoms in movement disorder patients receiving Deep brain stimulation (DBS). Clinical Parkinsonism & Related Disorders, 2019, 1, 98-99.	0.5	0
64	From vision to action: Canadian leadership in ethics and neurotechnology. International Review of Neurobiology, 2021, 159, 241-273.	0.9	0