Aaron Loh

List of Publications by Year
in descending order

42 papers	778 citations	687363 13 h-index	642732 23 g-index
42 all docs	42 docs citations	42 times ranked	542 citing authors

#	Article	IF	Citations
1	Predicting optimal deep brain stimulation parameters for Parkinsonâ€™s disease using functional MRI and machine learning. Nature Communications, 2021, 12, 3043.	12.8	130
2	Update on Current Technologies for Deep Brain Stimulation in Parkinsonâ€™s Disease. Journal of Movement Disorders, 2020, 13, 185-198.	1.3	62
3	Deep brain stimulation targets in epilepsy: Systematic review and metaâ€analysis of anterior and centromedian thalamic nuclei and hippocampus. Epilepsia, 2022, 63, 513-524.	5.1	54
4	Bilateral Focused Ultrasound Thalamotomy for Essential Tremor (<scp>BESTâ€FUS</scp> Phase 2 Trial). Movement Disorders, 2021, 36, 2653-2662.	3.9	51
5	Improving Safety of MRI in Patients with Deep Brain Stimulation Devices. Radiology, 2020, 296, 250-262.	7.3	40
6	Kilohertz-frequency stimulation of the nervous system: A review of underlying mechanisms. Brain Stimulation, 2021, 14, 513-530.	1.6	37
7	Clinical perspectives of adaptive deep brain stimulation. Brain Stimulation, 2021, 14, 1238-1247.	1.6	36
8	Deep brain stimulation of the brainstem. Brain, 2021, 144, 712-723.	7.6	27
9	Brain structures and networks responsible for stimulationâ€induced memory flashbacks during forniceal deep brain stimulation for Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, 777-787.	0.8	23
10	Potential optimization of focused ultrasound capsulotomy for obsessive compulsive disorder. Brain, 2021, 144, 3529-3540.	7.6	23
11	Probing responses to deep brain stimulation with functional magnetic resonance imaging. Brain Stimulation, 2022, 15, 683-694.	1.6	22
12	Sign-specific stimulation â€˜hotâ€™ and â€˜coldâ€™ spots in Parkinsonâ€™s disease validated with machine learning. Brain Communications, 2021, 3, fcab027.	3.3	20
13	Deep Brain Stimulation of the Habenula: Systematic Review of the Literature and Clinical Trial Registries. Frontiers in Psychiatry, 2021, 12, 730931.	2.6	20
14	Structuro-functional surrogates of response to subcallosal cingulate deep brain stimulation for depression. Brain, 2022, 145, 362-377.	7.6	17
15	3T MRI of rapid brain activity changes driven by subcallosal cingulate deep brain stimulation. Brain, 2022, 145, 2214-2226.	7.6	16
16	Magnetic Resonance-Guided Focused Ultrasound Thalamotomy to Treat Essential Tremor in Nonagenarians. Stereotactic and Functional Neurosurgery, 2020, 98, 182-186.	1.5	14
17	Mapping autonomic, mood and cognitive effects of hypothalamic region deep brain stimulation. Brain, 2021, 144, 2837-2851.	7.6	14
18	Neuromodulatory treatments for psychiatric disease: A comprehensive survey of the clinical trial landscape. Brain Stimulation, 2021, 14, 1393-1403.	1.6	14

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19	Blood oxygen level-dependent (BOLD) response patterns with thalamic deep brain stimulation in patients with medically refractory epilepsy. Epilepsy and Behavior, 2021, 122, 108153.	1.7	13
20	Trends in Clinical Trials for Spinal Cord Stimulation. Stereotactic and Functional Neurosurgery, 2021, 99, 123-134.	1.5	13
21	Deep brain stimulation: is it time to change gears by closing the loop?. Journal of Neural Engineering, 2021, 18, 061001.	3.5	13
22	Endovascular deep brain stimulation: Investigating the relationship between vascular structures and deep brain stimulation targets. Brain Stimulation, 2020, 13, 1668-1677.	1.6	12
23	Acute low frequency dorsal subthalamic nucleus stimulation improves verbal fluency in Parkinson's disease. Brain Stimulation, 2021, 14, 754-760.	1.6	12
24	<scp>Singleâ€Trajectory Multipleâ€Target</scp> Deep Brain Stimulation for Parkinsonian Mobility and Cognition. Movement Disorders, 2022, 37, 635-640.	3.9	10
25	Deep brain stimulation for extreme behaviors associated with autism spectrum disorder converges on a common pathway: a systematic review and connectomic analysis. Journal of Neurosurgery, 2022, , 1-10.	1.6	10
26	Identifying the neural network for neuromodulation in epilepsy through connectomics and graphs. Brain Communications, 2022, 4, .	3.3	10
27	A Network-Based Approach to Glioma Surgery: Insights from Functional Neurosurgery. Cancers, 2021, 13, 6127.	3.7	9
28	Theta Burst Deep Brain Stimulation in Movement Disorders. Movement Disorders Clinical Practice, 2021, 8, 282-285.	1.5	8
29	Neural Correlates of Optimal Deep Brain Stimulation for Cervical Dystonia. Annals of Neurology, 2022, 92, 418-424.	5.3	8
30	Habenular Involvement in Response to Subcallosal Cingulate Deep Brain Stimulation for Depression. Frontiers in Psychiatry, 2022, 13, 810777.	2.6	7
31	Flexible vs. standard subthalamic stimulation in Parkinson disease: A double-blind proof-of-concept cross-over trial. Parkinsonism and Related Disorders, 2021, 89, 93-97.	2.2	6
32	Neuromodulation for Pain: A Comprehensive Survey and Systematic Review of Clinical Trials and Connectomic Analysis of Brain Targets. Stereotactic and Functional Neurosurgery, 2022, 100, 14-25.	1.5	5
33	Brain Structures and Networks Underlying Treatment Response to Deep Brain Stimulation Targeting the Inferior Thalamic Peduncle in Obsessive-Compulsive Disorder. Stereotactic and Functional Neurosurgery, 2022, 100, 236-243.	1.5	5
34	Response: Deep brain stimulation targets in epilepsy: Systematic review and metaâ€analysis of anterior and centromedian thalamic nuclei and hippocampus. Epilepsia, 2022, 63, 1885-1886.	5.1	4
35	Lesions causing self-injurious behavior engage putative networks modulated by deep brain stimulation. Brain Stimulation, 2021, 14, 273-276.	1.6	3
36	Impact of Mesial Temporal Lobe Resection on Brain Structure in Medically Refractory Epilepsy. World Neurosurgery, 2021, 152, e652-e665.	1.3	3

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37	Evolution of the Neurosurgeon's Role in Clinical Trials for Glioblastoma: A Systematic Overview of the Clinicaltrials.Gov Database. Neurosurgery, 2021, 89, 196-203.	1.1	2
38	Clinical outcomes and complications of peripheral nerve field stimulation in the management of refractory trigeminal pain: a systematic review and meta-analysis. Journal of Neurosurgery, 2022, , 1-9.	1.6	2
39	Lateralizing magnetic resonance imaging findings in mesial temporal sclerosis and correlation with seizure and neurocognitive outcome after temporal lobectomy. Epilepsy Research, 2021, 171, 106562.	1.6	1
40	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. Neurology: Clinical Practice, 2021, 11, e497-e503.	1.6	1
41	Letter: Unforeseen Hurdles Associated With Magnetic Resonance Imaging in Patients With Deep Brain Stimulation Devices. Neurosurgery, 2022, Publish Ahead of Print, .	1.1	1
42	Focused Ultrasound Thalamotomy Sensory Side Effects Follow the Thalamic Structural Homunculus. Neurology: Clinical Practice, 2021, 11, e497-e503.	1.6	0