

Radhika Madhavan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

976
citations

840776

11
h-index

996975

15
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17
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17
docs citations

17
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Bursting in Cortical Cultures with Closed-Loop Multi-Electrode Stimulation. <i>Journal of Neuroscience</i> , 2005, 25, 680-688.	3.6	379
2	Predicting optimal deep brain stimulation parameters for Parkinson's disease using functional MRI and machine learning. <i>Nature Communications</i> , 2021, 12, 3043.	12.8	130
3	Plasticity of recurring spatiotemporal activity patterns in cortical networks. <i>Physical Biology</i> , 2007, 4, 181-193.	1.8	103
4	Spatiotemporal Dynamics Underlying Object Completion in Human Ventral Visual Cortex. <i>Neuron</i> , 2014, 83, 736-748.	8.1	75
5	Probabilistic Mapping of Deep Brain Stimulation: Insights from 15 Years of Therapy. <i>Annals of Neurology</i> , 2021, 89, 426-443.	5.3	68
6	Longitudinal Resting State Functional Connectivity Predicts Clinical Outcome in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 650-660.	3.4	45
7	On the (Non)equivalency of monopolar and bipolar settings for deep brain stimulation fMRI studies of Parkinson's disease patients. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1736-1749.	3.4	40
8	Functional MRI Signature of Chronic Pain Relief From Deep Brain Stimulation in Parkinson Disease Patients. <i>Neurosurgery</i> , 2019, 85, E1043-E1049.	1.1	24
9	Probing responses to deep brain stimulation with functional magnetic resonance imaging. <i>Brain Stimulation</i> , 2022, 15, 683-694.	1.6	22
10	Use of Functional MRI to Assess Effects of Deep Brain Stimulation Frequency Changes on Brain Activation in Parkinson Disease. <i>Neurosurgery</i> , 2021, 88, 356-365.	1.1	18
11	Multi-site Stimulation Quiets Network-wide Spontaneous Bursts and Enhances Functional Plasticity in Cultured Cortical Networks. , 2006, 2006, 1593-6.		15
12	Recursive feature elimination for biomarker discovery in resting-state functional connectivity. , 2016, 2016, 4071-4074.		14
13	Blood oxygen level-dependent (BOLD) response patterns with thalamic deep brain stimulation in patients with medically refractory epilepsy. <i>Epilepsy and Behavior</i> , 2021, 122, 108153.	1.7	13
14	Use of Functional Magnetic Resonance Imaging to Assess How Motor Phenotypes of Parkinson's Disease Respond to Deep Brain Stimulation. <i>Neuromodulation</i> , 2020, 23, 515-524.	0.8	11
15	EKG-based detection of deep brain stimulation in fMRI studies. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2432-2439.	3.0	9
16	Decrease in gamma-band activity tracks sequence learning. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 222.	2.5	7
17	Neural Interactions Underlying Visuomotor Associations in the Human Brain. <i>Cerebral Cortex</i> , 2019, 29, 4551-4567.	2.9	3