

Sarang S Dalal

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,379
citations

159585

30
h-index

214800

47
g-index

58
all docs

58
docs citations

58
times ranked

3671
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified view on beamformers for M/EEG source reconstruction. <i>NeuroImage</i> , 2022, 246, 118789.	4.2	50
2	The cerebellar clock: Predicting and timing somatosensory touch. <i>NeuroImage</i> , 2021, 238, 118202.	4.2	13
3	Information redundancy across spatial scales modulates early visual cortex responses. <i>Journal of Vision</i> , 2021, 21, 2526.	0.3	0
4	Contactless measurements of retinal activity using optically pumped magnetometers. <i>NeuroImage</i> , 2021, 243, 118528.	4.2	8
5	Information redundancy across spatial scales modulates early visual cortical processing. <i>NeuroImage</i> , 2021, 244, 118613.	4.2	6
6	Parkinson's disease patients benefit from bicycling - a systematic review and meta-analysis. <i>Npj Parkinson's Disease</i> , 2021, 7, 86.	5.3	13
7	Comparison of beamformer implementations for MEG source localization. <i>NeuroImage</i> , 2020, 216, 116797.	4.2	48
8	Can EEG and MEG detect signals from the human cerebellum?. <i>NeuroImage</i> , 2020, 215, 116817.	4.2	90
9	Coupling between human brain activity and body movements: Insights from non-invasive electromagnetic recordings. <i>NeuroImage</i> , 2019, 203, 116177.	4.2	62
10	Freezing of gait does not modulate beta oscillations in mesial cortical motor areas. <i>Movement Disorders</i> , 2019, 34, 436-436.	3.9	2
11	Reducing power line noise in EEG and MEG data via spectrum interpolation. <i>NeuroImage</i> , 2019, 189, 763-776.	4.2	91
12	Characterizing hippocampal dynamics with MEG: A systematic review and evidence-based guidelines. <i>Human Brain Mapping</i> , 2019, 40, 1353-1375.	3.6	45
13	Across-subjects classification of stimulus modality from human MEG high frequency activity. <i>PLoS Computational Biology</i> , 2018, 14, e1005938.	3.2	20
14	Bicycling suppresses abnormal beta synchrony in the Parkinsonian basal ganglia. <i>Annals of Neurology</i> , 2017, 82, 592-601.	5.3	49
15	Photogrammetry-Based Head Digitization for Rapid and Accurate Localization of EEG Electrodes and MEG Fiducial Markers Using a Single Digital SLR Camera. <i>Frontiers in Neuroscience</i> , 2017, 11, 264.	2.8	32
16	Bicycling and Walking are Associated with Different Cortical Oscillatory Dynamics. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 61.	2.0	65
17	Slow-theta power decreases during item-place encoding predict spatial accuracy of subsequent context recall. <i>NeuroImage</i> , 2016, 142, 533-543.	4.2	44
18	Hierarchy of prediction errors for auditory events in human temporal and frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6755-6760.	7.1	129

#	ARTICLE	IF	CITATIONS
19	BrainCycles: Experimental Setup for the Combined Measurement of Cortical and Subcortical Activity in Parkinson's Disease Patients during Cycling. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 685.	2.0	3
20	Consequences of EEG electrode position error on ultimate beamformer source reconstruction performance. <i>Frontiers in Neuroscience</i> , 2014, 8, 42.	2.8	63
21	NUTMEG: Open Source Software for MEG/EEG Source Reconstruction. , 2014, , 255-262.		2
22	Prestimulus Oscillatory Phase at 7ÂHz Gates Cortical Information Flow and Visual Perception. <i>Current Biology</i> , 2013, 23, 2273-2278.	3.9	145
23	Oscillatory activity of the human cerebellum: The intracranial electrocerebellogram revisited. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 585-593.	6.1	42
24	Epilepsy, cognition, and neuropsychiatry (Epilepsy, Brain, and Mind, part 2). <i>Epilepsy and Behavior</i> , 2013, 28, 283-302.	1.7	55
25	Efficient "Pop-Out" Visual Search Elicits Sustained Broadband Gamma Activity in the Dorsal Attention Network. <i>Journal of Neuroscience</i> , 2012, 32, 3414-3421.	3.6	61
26	Reading the mind's eye: Online detection of visuo-spatial working memory and visual imagery in the inferior temporal lobe. <i>NeuroImage</i> , 2012, 59, 872-879.	4.2	68
27	Localization of cortico-peripheral coherence with electroencephalography. <i>NeuroImage</i> , 2011, 57, 1348-1357.	4.2	53
28	MEG/EEG Source Reconstruction, Statistical Evaluation, and Visualization with NUTMEG. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-17.	1.7	104
29	The neural basis of event-time introspection. <i>Consciousness and Cognition</i> , 2011, 20, 1899-1915.	1.5	28
30	Introspecting perceptual, motor, and decision events. <i>Consciousness and Cognition</i> , 2011, 20, 1918-1919.	1.5	1
31	Spanning the rich spectrum of the human brain: slow waves to gamma and beyond. <i>Brain Structure and Function</i> , 2011, 216, 77-84.	2.3	32
32	Cortical Spatio-temporal Dynamics Underlying Phonological Target Detection in Humans. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1437-1446.	2.3	66
33	Cortical Temporal Dynamics of Visually Guided Behavior. <i>Cerebral Cortex</i> , 2011, 21, 519-529.	2.9	28
34	Category-Specific Visual Responses: An Intracranial Study Comparing Gamma, Beta, Alpha, and ERP Response Selectivity. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 195.	2.0	105
35	Intrinsic Coupling between Gamma Oscillations, Neuronal Discharges, and Slow Cortical Oscillations during Human Slow-Wave Sleep. <i>Journal of Neuroscience</i> , 2010, 30, 14285-14287.	3.6	11
36	COHERENT MEG/EEG SOURCE LOCALIZATION IN TRANSFORMED DATA SPACE. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2010, 22, 351-365.	0.6	4

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37	Exploring the electrophysiological correlates of the default-mode network with intracerebral EEG. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 27.	2.5	101
38	Spatiotemporal imaging of cortical activation during verb generation and picture naming. <i>NeuroImage</i> , 2010, 50, 291-301.	4.2	185
39	Comparison of Timeâ€“Frequency Responses and the Event-Related Potential to Auditory Speech Stimuli in Human Cortex. <i>Journal of Neurophysiology</i> , 2009, 102, 377-386.	1.8	142
40	Taskâ€“related gammaâ€“band dynamics from an intracerebral perspective: Review and implications for surface EEG and MEG. <i>Human Brain Mapping</i> , 2009, 30, 1758-1771.	3.6	222
41	Simultaneous MEG and intracranial EEG recordings during attentive reading. <i>NeuroImage</i> , 2009, 45, 1289-1304.	4.2	122
42	Mapping functional connectivity in patients with brain lesions. <i>Annals of Neurology</i> , 2008, 63, 193-203.	5.3	214
43	Localization of neurosurgically implanted electrodes via photographâ€“MRIâ€“radiograph coregistration. <i>Journal of Neuroscience Methods</i> , 2008, 174, 106-115.	2.5	88
44	Performance of Prewhitening Beamforming in MEG Dual Experimental Conditions. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 1112-1121.	4.2	21
45	Five-dimensional neuroimaging: Localization of the timeâ€“frequency dynamics of cortical activity. <i>NeuroImage</i> , 2008, 40, 1686-1700.	4.2	249
46	Role of Posterior Parietal Gamma Activity in Planning Prosaccades and Antisaccades. <i>Journal of Neuroscience</i> , 2008, 28, 13713-13715.	3.6	7
47	High-frequency oscillations in distributed neural networks reveal the dynamics of human decision making. <i>Frontiers in Human Neuroscience</i> , 2008, 1, 14.	2.0	40
48	Performance of prewhitening beamforming in MEG dual experimental conditions. , 2007, , .		1
49	Spatiotemporal dynamics of word processing in the human brain. <i>Frontiers in Neuroscience</i> , 2007, 1, 185-196.	2.8	201
50	Modified Beamformers for Coherent Source Region Suppression. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1357-1363.	4.2	142