

Shalini Narayana

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,101
citations

257450

24
h-index

243625

44
g-index

64
all docs

64
docs citations

64
times ranked

2774
citing authors

#	ARTICLE	IF	CITATIONS
1	Column-based model of electric field excitation of cerebral cortex. <i>Human Brain Mapping</i> , 2004, 22, 1-14.	3.6	208
2	Changes occur in resting state network of motor system during 4weeks of motor skill learning. <i>NeuroImage</i> , 2011, 58, 226-233.	4.2	134
3	Changes in regional activity are accompanied with changes in inter-regional connectivity during 4weeks motor learning. <i>Brain Research</i> , 2010, 1318, 64-76.	2.2	130
4	Effects of Timing and Duration of Cognitive Activation in [¹⁵ O]Water PET Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 423-430.	4.3	108
5	CBF changes during brain activation: fMRI vs. PET. <i>NeuroImage</i> , 2004, 22, 443-446.	4.2	89
6	Long-term motor training induced changes in regional cerebral blood flow in both task and resting states. <i>NeuroImage</i> , 2009, 45, 75-82.	4.2	89
7	Neural correlates of efficacy of voice therapy in Parkinson's disease identified by performance correlation analysis. <i>Human Brain Mapping</i> , 2010, 31, 222-236.	3.6	77
8	Language mapping using high gamma electrocorticography, fMRI, and TMS versus electrocortical stimulation. <i>Clinical Neurophysiology</i> , 2016, 127, 1822-1836.	1.5	73
9	Brain Magnetic Resonance Imaging in Newly Diagnosed Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2008, 35, 2348-2354.	2.0	70
10	Evaluation of an image-guided, robotically positioned transcranial magnetic stimulation system. <i>Human Brain Mapping</i> , 2004, 22, 329-340.	3.6	63
11	Is it time to replace the Wada test and put awake craniotomy to sleep?. <i>Epilepsia</i> , 2014, 55, 629-632.	5.1	60
12	Abnormal resting state corticolimbic blood flow in depressed unmedicated patients with major depression: A [¹⁵ O]H ₂ O PET study. <i>Human Brain Mapping</i> , 2012, 33, 272-279.	3.6	58
13	Intensity modulation of TMS-induced cortical excitation: Primary motor cortex. <i>Human Brain Mapping</i> , 2006, 27, 478-487.	3.6	56
14	Neuroimaging evidence of white matter inflammation in newly diagnosed systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 2011, 63, 3048-3057.	6.7	55
15	Native Experience with a Tone Language Enhances Pitch Discrimination and the Timing of Neural Responses to Pitch Change. <i>Frontiers in Psychology</i> , 2011, 2, 146.	2.1	52
16	Modeling motor connectivity using TMS/PET and structural equation modeling. <i>NeuroImage</i> , 2008, 41, 424-436.	4.2	50
17	PET-Based Confirmation of Orientation Sensitivity of TMS-Induced Cortical Activation in Humans. <i>Brain Stimulation</i> , 2013, 6, 898-904.	1.6	50
18	Electrophysiological and functional connectivity of the human supplementary motor area. <i>NeuroImage</i> , 2012, 62, 250-265.	4.2	46

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19	A Noninvasive Imaging Approach to Understanding Speech Changes Following Deep Brain Stimulation in Parkinson's Disease. <i>American Journal of Speech-Language Pathology</i> , 2009, 18, 146-161.	1.8	45
20	Computational and experimental analysis of TMS-induced electric field vectors critical to neuronal activation. <i>Journal of Neural Engineering</i> , 2015, 12, 046014.	3.5	44
21	Brain activation profiles during kinesthetic and visual imagery: An fMRI study. <i>Brain Research</i> , 2016, 1646, 249-261.	2.2	44
22	Clinical Applications of Transcranial Magnetic Stimulation in Pediatric Neurology. <i>Journal of Child Neurology</i> , 2015, 30, 1111-1124.	1.4	33
23	PET Imaging in the Photosensitive Baboon: Case-controlled Study. <i>Epilepsia</i> , 2007, 48, 245-253.	5.1	30
24	Concurrent TMS to the primary motor cortex augments slow motor learning. <i>NeuroImage</i> , 2014, 85, 971-984.	4.2	29
25	Predicting postoperative language outcome using presurgical fMRI, MEG, TMS, and high gamma ECoG. <i>Clinical Neurophysiology</i> , 2018, 129, 560-571.	1.5	27
26	Assessing Motor Function in Young Children With Transcranial Magnetic Stimulation. <i>Pediatric Neurology</i> , 2015, 52, 94-103.	2.1	26
27	Assessment of hemispheric dominance for receptive language in pediatric patients under sedation using magnetoencephalography. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 657.	2.0	24
28	Functional neuroimaging of the baboon during concurrent image-guided transcranial magnetic stimulation. <i>NeuroImage</i> , 2011, 57, 1393-1401.	4.2	21
29	On the relative merits of invasive and non-invasive pre-surgical brain mapping: New tools in ablative epilepsy surgery. <i>Epilepsy Research</i> , 2018, 142, 153-155.	1.6	21
30	Repetitive Transcranial Magnetic Stimulation Educes Frequency-Specific Causal Relationships in the Motor Network. <i>Brain Stimulation</i> , 2016, 9, 406-414.	1.6	20
31	Automated-parameterization of the motor evoked potential and cortical silent period induced by transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2009, 120, 1577-1587.	1.5	19
32	Repetitive Transcranial Magnetic Stimulation Elicits Rate-Dependent Brain Network Responses in Non-Human Primates. <i>Brain Stimulation</i> , 2013, 6, 777-787.	1.6	19
33	Variation in the topography of the speech production cortex verified by cortical stimulation and high gamma activity. <i>NeuroReport</i> , 2014, 25, 1411-1417.	1.2	18
34	Resting-CBF in the epileptic baboon: Correlation with ketamine dose and interictal epileptic discharges. <i>Epilepsy Research</i> , 2008, 82, 57-63.	1.6	16
35	Technical Tips: MEG and EEG with Sedation. <i>Neurodiagnostic Journal</i> , 2013, 53, 229-240.	0.1	16
36	Functional PET Evaluation of the Photosensitive Baboon. <i>Open Neuroimaging Journal</i> , 2011, 5, 206-215.	0.2	15

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37	Neuroimaging and Neuropsychological Studies in Sports-Related Concussions in Adolescents: Current State and Future Directions. <i>Frontiers in Neurology</i> , 2019, 10, 538.	2.4	13
38	Modeling the effective connectivity of the visual network in healthy and photosensitive, epileptic baboons. <i>Brain Structure and Function</i> , 2016, 221, 2023-2033.	2.3	12
39	Focality of the Induced E-Field Is a Contributing Factor in the Choice of TMS Parameters: Evidence from a 3D Computational Model of the Human Brain. <i>Brain Sciences</i> , 2020, 10, 1010.	2.3	12
40	Clinical Utility of Transcranial Magnetic Stimulation (TMS) in the Presurgical Evaluation of Motor, Speech, and Language Functions in Young Children With Refractory Epilepsy or Brain Tumor: Preliminary Evidence. <i>Frontiers in Neurology</i> , 2021, 12, 650830.	2.4	12
41	Estimation of the local statistical noise in positron emission tomography revisited: practical implementation. <i>NeuroImage</i> , 2003, 19, 442-456.	4.2	11
42	The Clinical Utility of Transcranial Magnetic Stimulation in Determining Hemispheric Dominance for Language: A Magnetoencephalography Comparison Study. <i>Journal of Clinical Neurophysiology</i> , 2020, 37, 90-103.	1.7	11
43	Successful motor mapping with transcranial magnetic stimulation in an infant: A case report. <i>Neurology</i> , 2017, 89, 2115-2117.	1.1	10
44	Concordance of the Resting State Networks in Typically Developing, 6-to 7-Year-Old Children and Healthy Adults. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 199.	2.0	10
45	Positron emission tomography during transcranial magnetic stimulation does not require 1/4-metal shielding. <i>NeuroImage</i> , 2003, 19, 1812-1819.	4.2	8
46	Immediate and long-term effects of speech treatment targets and intensive dosage on Parkinson's disease dysphonia and the speech motor network: Randomized controlled trial. <i>Human Brain Mapping</i> , 2022, , .	3.6	8
47	Force sensing system for automated assessment of motor performance during fMRI. <i>Journal of Neuroscience Methods</i> , 2010, 190, 92-94.	2.5	7
48	The Role of the Primary Sensory Cortices in Early Language Processing. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1755-1765.	2.3	7
49	Construction of a whole body blood flow model for use in positron emission tomography imaging with [15O]water. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1997, 25, 539-568.	0.6	6
50	Image-guided TMS is safe in a predominately pediatric clinical population. <i>Clinical Neurophysiology</i> , 2022, 137, 193-206.	1.5	6
51	Dosimetry of [15 O]water: A physiologic approach. <i>Medical Physics</i> , 1996, 23, 159-168.	3.0	5
52	Concordance Between Transcranial Magnetic Stimulation and Functional Magnetic Resonance Imaging (fMRI) Derived Localization of Language in a Clinical Cohort. <i>Journal of Child Neurology</i> , 2020, 35, 363-379.	1.4	5
53	Mapping typical and hypokinetic dysarthric speech production network using a connected speech paradigm in functional MRI. <i>NeuroImage: Clinical</i> , 2020, 27, 102285.	2.7	5
54	CNS Resident Award: role of the lateral premotor cortex in articulation. <i>Clinical Neurosurgery</i> , 2003, 50, 341-9.	0.2	5

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55	Acoustic Analysis of Intonation in Persons With Parkinson's Disease Receiving Transcranial Magnetic Stimulation and Intensive Voice Treatment. <i>Journal of Voice</i> , 2021, , .	1.5	3
56	Noninvasive Localization of Language Cortex in an Awake 4-Year-Old Child with Rasmussen Encephalitis: A Case Report. <i>Operative Neurosurgery</i> , 2020, 18, E175-E180.	0.8	2
57	Plasticity in the developing brain: neurophysiological basis for lesion-induced motor reorganization. <i>Brain Communications</i> , 2022, 4, fcab300.	3.3	2
58	Transcranial Magnetic Stimulation. , 2014, , .		1
59	710 TMS-PET as a Measure of Functional Effective Connectivity of the Human Supplementary Motor Area. <i>Neurosurgery</i> , 2000, 47, 502-502.	1.1	0
60	Presurgical language mapping in bilingual children using transcranial magnetic stimulation: illustrative case. <i>Journal of Neurosurgery Case Lessons</i> , 2021, 2, .	0.3	0