

Dipanjan Roy

List of Publications by Year in descending order

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34
papers

687
citations

687363

13
h-index

713466

21
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50
all docs

50
docs citations

50
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of sensorimotor network sculpts the dynamic repertoire of resting state over lifespan. <i>Cerebral Cortex</i> , 2023, 33, 1246-1262.	2.9	6
2	Biophysical mechanism underlying compensatory preservation of neural synchrony over the adult lifespan. <i>Communications Biology</i> , 2022, 5, .	4.4	14
3	Reconfiguration of Directed Functional Connectivity Among Neurocognitive Networks with Aging: Considering the Role of Thalamo-Cortical Interactions. <i>Cerebral Cortex</i> , 2021, 31, 1970-1986.	2.9	14
4	Atypical core-periphery brain dynamics in autism. <i>Network Neuroscience</i> , 2021, 5, 295-321.	2.6	6
5	Multiscale dynamic mean field (MDMF) model relates resting-state brain dynamics with local cortical excitatory–inhibitory neurotransmitter homeostasis. <i>Network Neuroscience</i> , 2021, 5, 1-26.	2.6	17
6	Organization of directed functional connectivity among nodes of ventral attention network reveals the common network mechanisms underlying saliency processing across distinct spatial and spatio-temporal scales. <i>NeuroImage</i> , 2021, 231, 117869.	4.2	6
7	Contextual prediction errors reorganize naturalistic episodic memories in time. <i>Scientific Reports</i> , 2021, 11, 12364.	3.3	4
8	Psychophysical data to study the brain network mechanisms involved in reorienting attention to salient events during goal-directed visual discrimination and search tasks. <i>Data in Brief</i> , 2021, 36, 107020.	1.0	0
9	Aperiodic and Periodic Components of Ongoing Oscillatory Brain Dynamics Link Distinct Functional Aspects of Cognition across Adult Lifespan. <i>ENeuro</i> , 2021, 8, ENEURO.0224-21.2021.	1.9	34
10	Editorial: Temporal Structure of Neural Processes Coupling Sensory, Motor and Cognitive Functions of the Brain. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 73.	2.1	6
11	Lifespan associated global patterns of coherent neural communication. <i>NeuroImage</i> , 2020, 216, 116824.	4.2	27
12	Large-scale Functional Integration, Rather than Functional Dissociation along Dorsal and Ventral Streams, Underlies Visual Perception and Action. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 847-861.	2.3	14
13	Biophysical mechanisms governing large-scale brain network dynamics underlying individual-specific variability of perception. <i>European Journal of Neuroscience</i> , 2020, 52, 3746-3762.	2.6	10
14	Generative framework for dimensionality reduction of large scale network of nonlinear dynamical systems driven by external input. <i>New Journal of Physics</i> , 2019, 21, 072001.	2.9	0
15	Identification and Classification of Hubs in microRNA Target Gene Networks in Human Neural Stem/Progenitor Cells following Japanese Encephalitis Virus Infection. <i>MSphere</i> , 2019, 4, .	2.9	14
16	Atypical Flexibility in Dynamic Functional Connectivity Quantifies the Severity in Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 6.	2.0	78
17	Resting state dynamics meets anatomical structure: Temporal multiple kernel learning (tMKL) model. <i>NeuroImage</i> , 2019, 184, 609-620.	4.2	19
18	Multiple Kernel Learning Model for Relating Structural and Functional Connectivity in the Brain. <i>Scientific Reports</i> , 2018, 8, 3265.	3.3	20

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19	Segregation and Integration of Cortical Information Processing Underlying Cross-Modal Perception. <i>Multisensory Research</i> , 2018, 31, 481-500.	1.1	6
20	Integrative Analysis of Hippocampus Gene Expression Profiles Identifies Network Alterations in Aging and Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 153.	3.4	58
21	Age, Disease, and Their Interaction Effects on Intrinsic Connectivity of Children and Adolescents in Autism Spectrum Disorder Using Functional Connectomics. <i>Brain Connectivity</i> , 2018, 8, 407-419.	1.7	14
22	An EEG-Based Image Annotation System. <i>Communications in Computer and Information Science</i> , 2018, , 303-313.	0.5	9
23	Metastability in Senescence. <i>Trends in Cognitive Sciences</i> , 2017, 21, 509-521.	7.8	60
24	Metastability of cortical BOLD signals in maturation and senescence. , 2017, , .		6
25	Promises and pitfalls of relating alteration of white matter pathways causing improvement in cognitive performance. <i>Cognitive Neuroscience</i> , 2017, 8, 120-122.	1.4	1
26	Neural Substrate of Group Mental Health: Insights from Multi-Brain Reference Frame in Functional Neuroimaging. <i>Frontiers in Psychology</i> , 2017, 8, 1627.	2.1	7
27	Near-Infrared Spectroscopy " Electroencephalography-Based Brain-State-Dependent Electrotherapy: A Computational Approach Based on Excitation-Inhibition Balance Hypothesis. <i>Frontiers in Neurology</i> , 2016, 7, 123.	2.4	14
28	Large Scale Functional Brain Networks Underlying Temporal Integration of Audio-Visual Speech Perception: An EEG Study. <i>Frontiers in Psychology</i> , 2016, 7, 1558.	2.1	29
29	Does the regulation of local excitation-inhibition balance aid in recovery of functional connectivity? A computational account. <i>NeuroImage</i> , 2016, 136, 57-67.	4.2	32
30	The role of alpha-rhythm states in perceptual learning: insights from experiments and computational models. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 36.	2.1	56
31	Using the Virtual Brain to Reveal the Role of Oscillations and Plasticity in Shaping Brain's Dynamical Landscape. <i>Brain Connectivity</i> , 2014, 4, 791-811.	1.7	47
32	Inferring network properties of cortical neurons with synaptic coupling and parameter dispersion. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 20.	2.1	8
33	Brain State Dependent Postinhibitory Rebound in Entorhinal Cortex Interneurons. <i>Journal of Neuroscience</i> , 2012, 32, 6501-6510.	3.6	14
34	Phase description of spiking neuron networks with global electric and synaptic coupling. <i>Physical Review E</i> , 2011, 83, 051909.	2.1	18