Arpan Banerjee

List of Publications by Year
in descending order

32 papers	635 citations	759233 12 h-index	677142 22 g-index
48 all docs	48 docs citations	48 times ranked	651 citing authors

#	Article	IF	Citations
1	Spatiotemporal re-organization of large-scale neural assemblies underlies bimanual coordination. NeuroImage, 2012, 62, 1582-1592.	4.2	66
2	Metastability in Senescence. Trends in Cognitive Sciences, 2017, 21, 509-521.	7.8	60
3	Mode level cognitive subtraction (MLCS) quantifies spatiotemporal reorganization in large-scale brain topographies. NeuroImage, 2008, 42, 663-674.	4.2	55
4	Quantitative Evaluation in Estimating Sources Underlying Brain Oscillations Using Current Source Density Methods and Beamformer Approaches. ENeuro, 2019, 6, ENEURO.0170-19.2019.	1.9	48
5	Temporal microstructure of cortical networks (TMCN) underlying task-related differences. NeuroImage, 2012, 62, 1643-1657.	4.2	45
6	Aperiodic and Periodic Components of Ongoing Oscillatory Brain Dynamics Link Distinct Functional Aspects of Cognition across Adult Lifespan. ENeuro, 2021, 8, ENEURO.0224-21.2021.	1.9	34
7	Does the regulation of local excitation–inhibition balance aid in recovery of functional connectivity? A computational account. NeuroImage, 2016, 136, 57-67.	4.2	32
8	How do neural connectivity and time delays influence bimanual coordination?. Biological Cybernetics, 2007, 96, 265-278.	1.3	30
9	Large Scale Functional Brain Networks Underlying Temporal Integration of Audio-Visual Speech Perception: An EEG Study. Frontiers in Psychology, 2016, 7, 1558.	2.1	29
10	Lifespan associated global patterns of coherent neural communication. NeuroImage, 2020, 216, 116824.	4.2	27
11	Using large-scale neural models to interpret connectivity measures of cortico-cortical dynamics at millisecond temporal resolution. Frontiers in Systems Neuroscience, 2011, 5, 102.	2.5	18
12	Whole-Brain Network Models: From Physics to Bedside. Frontiers in Computational Neuroscience, 0, 16, .	2.1	18
13	Translating neuroscience to the front lines: point-of-care detection of neuropsychiatric disorders. Lancet Psychiatry,the, 2016, 3, 915-917.	7.4	17
14	Multiscale dynamic mean field (MDMF) model relates resting-state brain dynamics with local cortical excitatory–inhibitory neurotransmitter homeostasis. Network Neuroscience, 2021, 5, 1-26.	2.6	17
15	A Likelihood Method for Computing Selection Times in Spiking and Local Field Potential Activity. Journal of Neurophysiology, 2010, 104, 3705-3720.	1.8	14
16	Large-scale Functional Integration, Rather than Functional Dissociation along Dorsal and Ventral Streams, Underlies Visual Perception and Action. Journal of Cognitive Neuroscience, 2020, 32, 847-861.	2.3	14
17	Reconfiguration of Directed Functional Connectivity Among Neurocognitive Networks with Aging: Considering the Role of Thalamo-Cortical Interactions. Cerebral Cortex, 2021, 31, 1970-1986.	2.9	14
18	Biophysical mechanism underlying compensatory preservation of neural synchrony over the adult lifespan. Communications Biology, 2022, 5, .	4.4	14

#	Article	IF	Citations
19	A dynamical framework to relate perceptual variability with multisensory information processing. Scientific Reports, 2016, 6, 31280.	3.3	12
20	Parametric models to relate spike train and LFP dynamics with neural information processing. Frontiers in Computational Neuroscience, 2012, 6, 51.	2.1	10
21	Biophysical mechanisms governing large€scale brain network dynamics underlying individual€specific variability of perception. European Journal of Neuroscience, 2020, 52, 3746-3762.	2.6	10
22	Neural Substrate of Group Mental Health: Insights from Multi-Brain Reference Frame in Functional Neuroimaging. Frontiers in Psychology, 2017, 8, 1627.	2.1	7
23	Segregation and Integration of Cortical Information Processing Underlying Cross-Modal Perception. Multisensory Research, 2018, 31, 481-500.	1.1	6
24	Editorial: Temporal Structure of Neural Processes Coupling Sensory, Motor and Cognitive Functions of the Brain. Frontiers in Computational Neuroscience, 2020, 14, 73.	2.1	6
25	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. NeuroImage, 2021, 231, 117869.	4.2	6
26	Stability of sensorimotor network sculpts the dynamic repertoire of resting state over lifespan. Cerebral Cortex, 2023, 33, 1246-1262.	2.9	6
27	Contextual prediction errors reorganize naturalistic episodic memories in time. Scientific Reports, 2021, 11, 12364.	3.3	4
28	Chronometry on Spike-LFP Responses Reveals the Functional Neural Circuitry of Early Auditory Cortex Underlying Sound Processing and Discrimination. ENeuro, 2018, 5, ENEURO.0420-17.2018.	1.9	3
29	A Role for Neural Modeling in the Study of Brain Disorders. Frontiers in Systems Neuroscience, 2012, 6, 57.	2.5	2
30	Can quantum probability help analyze the behavior of functional brain networks?. Behavioral and Brain Sciences, 2013, 36, 278-279.	0.7	1
31	Generative framework for dimensionality reduction of large scale network of nonlinear dynamical systems driven by external input. New Journal of Physics, 2019, 21, 072001.	2.9	0
32	Psychophysical data to study the brain network mechanisms involved in reorienting attention to salient events during goal-directed visual discrimination and search tasks. Data in Brief, 2021, 36, 107020.	1.0	0