Klaus Linkenkaer-Hansen

List of Publications by Year
in descending order

Version: 2024-02-01

64 papers	5,967 citations	136940 32 h-index	118840 62 g-index
73 all docs	73 docs citations	73 times ranked	5698 citing authors

#	Article	IF	Citations
1	Prediction of Behavioral Improvement Through Resting-State Electroencephalography and Clinical Severity in a Randomized Controlled Trial Testing Bumetanide in Autism Spectrum Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 251-261.	1.5	16
2	Long-Range Amplitude Coupling Is Optimized for Brain Networks That Function at Criticality. Journal of Neuroscience, 2022, 42, 2221-2233.	3.6	17
3	Following Excitation/Inhibition Ratio Homeostasis from Synapse to EEG in Monogenetic Neurodevelopmental Disorders. Genes, 2022, 13, 390.	2.4	4
4	Bumetanide Effects on Resting-State EEG in Tuberous Sclerosis Complex in Relation to Clinical Outcome: An Open-Label Study. Frontiers in Neuroscience, 2022, 16, .	2.8	3
5	Adults with autism spectrum disorder show atypical patterns of thoughts and feelings during rest. Autism, 2021, 25, 136236132199092.	4.1	8
6	Pre-retirement Employees Experience Lasting Improvements in Resilience and Well-Being After Mindfulness-Based Stress Reduction. Frontiers in Psychology, 2021, 12, 699088.	2.1	8
7	STXBP1 Syndrome Is Characterized by Inhibition-Dominated Dynamics of Resting-State EEG. Frontiers in Physiology, 2021, 12, 775172.	2.8	14
8	Measurement of excitation-inhibition ratio in autism spectrum disorder using critical brain dynamics. Scientific Reports, 2020, 10, 9195.	3.3	102
9	Pre-stimulus phase and amplitude regulation of phase-locked responses are maximized in the critical state. ELife, 2020, 9, .	6.0	16
10	220. Non-Invasive Estimation of Excitation-Inhibition Balance Facilitates Physiological Dissection of Autism Spectrum Disorder. Biological Psychiatry, 2019, 85, S91.	1.3	0
11	221. Behavioural and Neurophysiological Outcomes of the Bumetanide in Autism Medication and Biomarker (BAMBI) Trial. Biological Psychiatry, 2019, 85, S91-S92.	1.3	0
12	222. Cognitive Outcomes of the Bumetanide in Autism Medication and Biomarker (BAMBI) Trial. Biological Psychiatry, 2019, 85, S92.	1.3	0
13	Scaling behaviour in music and cortical dynamics interplay to mediate music listening pleasure. Scientific Reports, 2019, 9, 17700.	3.3	14
14	Controlling the Temporal Structure of Brain Oscillations by Focused Attention Meditation. Human Brain Mapping, 2018, 39, 1825-1838.	3.6	44
15	Strong longâ€range temporal correlations of beta/gamma oscillations are associated with poor sustained visual attention performance. European Journal of Neuroscience, 2018, 48, 2674-2683.	2.6	39
16	Scale-Free Amplitude Modulation of Neuronal Oscillations Tracks Comprehension of Accelerated Speech. Journal of Neuroscience, 2018, 38, 710-722.	3.6	14
17	An EEG nicotinic acetylcholine index to assess the efficacy of pro-cognitive compounds. Clinical Neurophysiology, 2018, 129, 2325-2332.	1.5	8
18	Long-Range Temporal Correlations in Alpha Oscillations Stabilize Perception of Ambiguous Visual Stimuli. Frontiers in Human Neuroscience, 2018, 12, 159.	2.0	6

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19	Negative mood and mind wandering increase long-range temporal correlations in attention fluctuations. PLoS ONE, 2018, 13, e0196907.	2.5	16
20	Catecholamines alter the intrinsic variability of cortical population activity and perception. PLoS Biology, 2018, 16, e2003453.	5.6	64
21	Consistency of EEG source localization and connectivity estimates. NeuroImage, 2017, 152, 590-601.	4.2	177
22	EEG machine learning for accurate detection of cholinergic intervention and Alzheimerâ€™s disease. Scientific Reports, 2017, 7, 5775.	3.3	65
23	Association Between Resting-State Microstates and Ratings on the Amsterdam Resting-State Questionnaire. Brain Topography, 2017, 30, 245-248.	1.8	47
24	Bumetanide As a Candidate Treatment for Behavioral Problems in Tuberous Sclerosis Complex. Frontiers in Neurology, 2017, 8, 469.	2.4	11
25	Aberrant Long-Range Temporal Correlations in Depression Are Attenuated after Psychological Treatment. Frontiers in Human Neuroscience, 2017, 11, 340.	2.0	14
26	More Severe Insomnia Complaints in People with Stronger Long-Range Temporal Correlations in Wake Resting-State EEG. Frontiers in Physiology, 2016, 7, 576.	2.8	27
27	Resting-State Subjective Experience and EEG Biomarkers Are Associated with Sleep-Onset Latency. Frontiers in Psychology, 2016, 7, 492.	2.1	23
28	Multiple phenotypes of resting-state cognition are altered in insomnia disorder. Sleep Health, 2016, 2, 239-245.	2.5	14
29	Resting-State fMRI Functional Connectivity Is Associated with Sleepiness, Imagery, and Discontinuity of Mind. PLoS ONE, 2015, 10, e0142014.	2.5	42
30	The ARSQ 2.0 reveals age and personality effects on mind-wandering experiences. Frontiers in Psychology, 2014, 5, 271.	2.1	64
31	Preliteracy signatures of poor-reading abilities in resting-state EEG. Frontiers in Human Neuroscience, 2014, 8, 735.	2.0	26
32	Individual Differences in White Matter Diffusion Affect Sleep Oscillations. Journal of Neuroscience, 2013, 33, 227-233.	3.6	128
33	Neuronal long-range temporal correlations and avalanche dynamics are correlated with behavioral scaling laws. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3585-3590.	7.1	395
34	Long-Range Temporal Correlations in Resting-State Alpha Oscillations Predict Human Timing-Error Dynamics. Journal of Neuroscience, 2013, 33, 11212-11220.	3.6	70
35	Integrative EEG biomarkers predict progression to Alzheimer's disease at the MCI stage. Frontiers in Aging Neuroscience, 2013, 5, 58.	3.4	143
36	The Amsterdam Resting-State Questionnaire reveals multiple phenotypes of resting-state cognition. Frontiers in Human Neuroscience, 2013, 7, 446.	2.0	130

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37	Detrended Fluctuation Analysis: A Scale-Free View on Neuronal Oscillations. Frontiers in Physiology, 2012, 3, 450.	2.8	328
38	External Drive to Inhibitory Cells Induces Alternating Episodes of High- and Low-Amplitude Oscillations. PLoS Computational Biology, 2012, 8, e1002666.	3.2	11
39	Critical-State Dynamics of Avalanches and Oscillations Jointly Emerge from Balanced Excitation/Inhibition in Neuronal Networks. Journal of Neuroscience, 2012, 32, 9817-9823.	3.6	298
40	Fast network oscillations inâ€ƒvitro exhibit a slow decay of temporal auto-correlations. European Journal of Neuroscience, 2011, 34, 394-403.	2.6	19
41	Scale-Free Modulation of Resting-State Neuronal Oscillations Reflects Prolonged Brain Maturation in Humans. Journal of Neuroscience, 2011, 31, 13128-13136.	3.6	80
42	Novel Candidate Genes Associated with Hippocampal Oscillations. PLoS ONE, 2011, 6, e26586.	2.5	10
43	Non-zero mean and asymmetry of neuronal oscillations have different implications for evoked responses. Clinical Neurophysiology, 2010, 121, 186-193.	1.5	33
44	Non-zero mean of oscillations as a mechanism for the generation of evoked responses. Clinical Neurophysiology, 2010, 121, 1149-1150.	1.5	4
45	Scaling laws in cognitive sciences. Trends in Cognitive Sciences, 2010, 14, 223-232.	7.8	283
46	Flexible spike timing of layer 5 neurons during dynamic beta oscillation shifts in rat prefrontal cortex. Journal of Physiology, 2009, 587, 5177-5196.	2.9	39
47	Inbred mouse strains differ in multiple hippocampal activity traits. European Journal of Neuroscience, 2009, 30, 1092-1100.	2.6	9
48	Altered temporal correlations in parietal alpha and prefrontal theta oscillations in early-stage Alzheimer disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1614-1619.	7.1	256
49	Avalanche dynamics of human brain oscillations: Relation to critical branching processes and temporal correlations. Human Brain Mapping, 2008, 29, 770-777.	3.6	96
50	Genetic Contributions to Long-Range Temporal Correlations in Ongoing Oscillations. Journal of Neuroscience, 2007, 27, 13882-13889.	3.6	119
51	A novel mechanism for evoked responses in the human brain. European Journal of Neuroscience, 2007, 25, 3146-3154.	2.6	123
52	Synchronization likelihood with explicit time-frequency priors. NeuroImage, 2006, 33, 1117-1125.	4.2	168
53	Early Neural Correlates of Conscious Somatosensory Perception. Journal of Neuroscience, 2005, 25, 5248-5258.	3.6	238
54	Breakdown of Long-Range Temporal Correlations in Theta Oscillations in Patients with Major Depressive Disorder. Journal of Neuroscience, 2005, 25, 10131-10137.	3.6	185

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55	Stimulus-induced change in long-range temporal correlations and scaling behaviour of sensorimotor oscillations. European Journal of Neuroscience, 2004, 19, 203-218.	2.6	121
56	Prestimulus Oscillations Enhance Psychophysical Performance in Humans. Journal of Neuroscience, 2004, 24, 10186-10190.	3.6	350
57	Scaling and Criticality in Large-Scale Neuronal Activity. Lecture Notes in Physics, 2003, , 324-338.	0.7	4
58	Temporary and longer term retention of acoustic information. Psychophysiology, 2002, 39, 530-534.	2.4	49
59	Long-Range Temporal Correlations and Scaling Behavior in Human Brain Oscillations. Journal of Neuroscience, 2001, 21, 1370-1377.	3.6	937
60	Interhemispheric phase synchrony and amplitude correlation of spontaneous beta oscillations in human subjects: a magnetoencephalographic study. NeuroReport, 2001, 12, 2487-2491.	1.2	85
61	Dynamics of mu-rhythm suppression caused by median nerve stimulation: a magnetoencephalographic study in human subjects. Neuroscience Letters, 2000, 294, 163-166.	2.1	75
62	Somatosensory evoked magnetic fields: relation to pre-stimulus mu rhythm. Clinical Neurophysiology, 2000, 111, 1227-1233.	1.5	33
63	Face-selective processing in human extrastriate cortex around 120 ms after stimulus onset revealed by magneto- and electroencephalography. Neuroscience Letters, 1998, 253, 147-150.	2.1	229
64	Sex differences in gray and white matter structure in age-matched unrelated males and females and opposite-sex siblings.. International Journal of Psychological Research, 0, 6, 7-21.	0.6	8