

Tom Eichele

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

9,823
citations

76326

40
h-index

128289

60
g-index

63
all docs

63
docs citations

63
times ranked

10966
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking Whole-Brain Connectivity Dynamics in the Resting State. <i>Cerebral Cortex</i> , 2014, 24, 663-676.	2.9	2,426
2	A Baseline for the Multivariate Comparison of Resting-State Networks. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 2.	2.5	1,159
3	Selective changes of resting-state networks in individuals at risk for Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18760-18765.	7.1	957
4	Prediction of human errors by maladaptive changes in event-related brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6173-6178.	7.1	415
5	Semi-automatic identification of independent components representing EEG artifact. <i>Clinical Neurophysiology</i> , 2009, 120, 868-877.	1.5	317
6	Assessing the spatiotemporal evolution of neuronal activation with single-trial event-related potentials and functional MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17798-17803.	7.1	285
7	Methods for Simultaneous EEG-fMRI: An Introductory Review. <i>Journal of Neuroscience</i> , 2012, 32, 6053-6060.	3.6	265
8	Functional brain networks in schizophrenia: a review. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 17.	2.0	234
9	Posterior Medial Frontal Cortex Activity Predicts Post-Error Adaptations in Task-Related Visual and Motor Areas. <i>Journal of Neuroscience</i> , 2011, 31, 1780-1789.	3.6	229
10	Capturing inter-subject variability with group independent component analysis of fMRI data: A simulation study. <i>NeuroImage</i> , 2012, 59, 4141-4159.	4.2	204
11	Visual activation of auditory cortex reflects maladaptive plasticity in cochlear implant users. <i>Brain</i> , 2012, 135, 555-568.	7.6	195
12	SimTB, a simulation toolbox for fMRI data under a model of spatiotemporal separability. <i>NeuroImage</i> , 2012, 59, 4160-4167.	4.2	182
13	Multi-set canonical correlation analysis for the fusion of concurrent single trial ERP and functional MRI. <i>NeuroImage</i> , 2010, 50, 1438-1445.	4.2	156
14	Neural Correlates of Trial-to-Trial Fluctuations in Response Caution. <i>Journal of Neuroscience</i> , 2011, 31, 17488-17495.	3.6	154
15	Reciprocal relations between cognitive neuroscience and formal cognitive models: opposites attract?. <i>Trends in Cognitive Sciences</i> , 2011, 15, 272-279.	7.8	137
16	Cortico-striatal connectivity and cognition in normal aging: A combined DTI and resting state fMRI study. <i>NeuroImage</i> , 2011, 55, 24-31.	4.2	135
17	Analysis of Multimodal Neuroimaging Data. <i>IEEE Reviews in Biomedical Engineering</i> , 2011, 4, 26-58.	18.0	122
18	Subcortical functional connectivity and verbal episodic memory in healthy elderly—A resting state fMRI study. <i>NeuroImage</i> , 2010, 52, 379-388.	4.2	121

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19	Joint independent component analysis for simultaneous EEG-fMRI: Principle and simulation. <i>International Journal of Psychophysiology</i> , 2008, 67, 212-221.	1.0	117
20	Automatic Identification of Functional Clusters in fMRI Data Using Spatial Dependence. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 3406-3417.	4.2	114
21	Reactivity of hemodynamic responses and functional connectivity to different states of alpha synchrony: A concurrent EEG-fMRI study. <i>NeuroImage</i> , 2010, 52, 1252-1260.	4.2	113
22	Unmixing concurrent EEG-fMRI with parallel independent component analysis. <i>International Journal of Psychophysiology</i> , 2008, 67, 222-234.	1.0	100
23	High Classification Accuracy for Schizophrenia with Rest and Task fMRI Data. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 145.	2.0	100
24	Mining EEG-fMRI using independent component analysis. <i>International Journal of Psychophysiology</i> , 2009, 73, 53-61.	1.0	84
25	Neurophysiological evidence of impaired musical sound perception in cochlear-implant users. <i>Clinical Neurophysiology</i> , 2010, 121, 2070-2082.	1.5	82
26	Standardized computer-based organized reporting of EEG: SCORE – Second version. <i>Clinical Neurophysiology</i> , 2017, 128, 2334-2346.	1.5	82
27	EEGIFT: Group Independent Component Analysis for Event-Related EEG Data. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-9.	1.7	81
28	Aberrant processing of deviant stimuli in schizophrenia revealed by fusion of fMRI and EEG data. <i>Acta Neuropsychiatrica</i> , 2010, 22, 127-138.	2.1	77
29	Evaluation of evoked potentials to dyadic tones after cochlear implantation. <i>Brain</i> , 2009, 132, 1967-1979.	7.6	70
30	Asymmetry of evoked potential latency to speech sounds predicts the ear advantage in dichotic listening. <i>Cognitive Brain Research</i> , 2005, 24, 405-412.	3.0	65
31	Lateral differences in the default mode network in healthy controls and patients with schizophrenia. <i>Human Brain Mapping</i> , 2011, 32, 654-664.	3.6	62
32	Presupplementary Motor Area Contributes to Altered Error Monitoring in Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2016, 80, 562-571.	1.3	61
33	Modulations of functional connectivity in the healthy and schizophrenia groups during task and rest. <i>NeuroImage</i> , 2012, 62, 1694-1704.	4.2	60
34	Genetic determinants of target and novelty-related event-related potentials in the auditory oddball response. <i>NeuroImage</i> , 2009, 46, 809-816.	4.2	56
35	EEG Spectral Features Discriminate between Alzheimer's and Vascular Dementia. <i>Frontiers in Neurology</i> , 2015, 6, 25.	2.4	55
36	The spatospectral characterization of brain networks: Fusing concurrent EEG spectra and fMRI maps. <i>NeuroImage</i> , 2013, 69, 101-111.	4.2	54

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37	Tracking pattern learning with single-trial event-related potentials. <i>Clinical Neurophysiology</i> , 2006, 117, 1957-1973.	1.5	52
38	Regularized Linear Discriminant Analysis of EEG Features in Dementia Patients. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 273.	3.4	52
39	Mal-adaptation of event-related EEG responses preceding performance errors. <i>Frontiers in Human Neuroscience</i> , 2010, 4, .	2.0	49
40	Expectancy effects on omission evoked potentials in musicians and non-musicians. <i>Psychophysiology</i> , 2005, 42, 191-201.	2.4	48
41	Acetylcholine Mediates Behavioral and Neural Post-Error Control. <i>Current Biology</i> , 2015, 25, 1461-1468.	3.9	40
42	Equity theory and fair inequality: A neuroeconomic study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15368-15372.	7.1	38
43	Effective connectivity analysis of fMRI and MEG data collected under identical paradigms. <i>Computers in Biology and Medicine</i> , 2011, 41, 1156-1165.	7.0	36
44	Patients with Schizophrenia Fail to Up-Regulate Task-Positive and Down-Regulate Task-Negative Brain Networks: An fMRI Study Using an ICA Analysis Approach. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 149.	2.0	36
45	Event-Related-Potential (ERP) Correlates of Performance Monitoring in Adults With Attention-Deficit Hyperactivity Disorder (ADHD). <i>Frontiers in Psychology</i> , 2018, 9, 485.	2.1	35
46	Decomposing the brain: components and modes, networks and nodes. <i>Trends in Cognitive Sciences</i> , 2012, 16, 255-256.	7.8	34
47	Reduced error signalling in medication-naïve children with ADHD: associations with behavioural variability and post-error adaptations. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 77-87.	2.4	33
48	Group Study of Simulated Driving fMRI Data by Multiset Canonical Correlation Analysis. <i>Journal of Signal Processing Systems</i> , 2012, 68, 31-48.	2.1	31
49	Understanding the Epilepsy in POLG Related Disease. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1845.	4.1	30
50	Performance Monitoring in Medication-Naïve Children with Tourette Syndrome. <i>Frontiers in Neuroscience</i> , 2016, 10, 50.	2.8	29
51	Go/NoGo Performance in Boys with Tourette Syndrome. <i>Child Neuropsychology</i> , 2010, 16, 162-168.	1.3	27
52	MEG and fMRI Fusion for Non-Linear Estimation of Neural and BOLD Signal Changes. <i>Frontiers in Neuroinformatics</i> , 2010, 4, 114.	2.5	21
53	The effects of the glutamate antagonist memantine on brain activation to an auditory perception task. <i>Human Brain Mapping</i> , 2009, 30, 3616-3624.	3.6	20
54	Functional parcellation of the inferior frontal and midcingulate cortices in a flanker- <i>stop</i> -change paradigm. <i>Human Brain Mapping</i> , 2013, 34, 1501-1514.	3.6	18

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55	Visual EEG reviewing times with SCORE EEG. <i>Clinical Neurophysiology Practice</i> , 2018, 3, 59-64.	1.4	16
56	Development of Performance and ERPs in a Flanker Task in Children and Adolescents with Tourette Syndrome—A Follow-Up Study. <i>Frontiers in Neuroscience</i> , 2017, 11, 305.	2.8	14
57	Error-preceding brain activity reflects (mal-)adaptive adjustments of cognitive control: a modeling study. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 97.	2.0	13
58	The learning-oddball paradigm: Data of 24 separate individuals illustrate its potential usefulness as a new clinical tool. <i>Clinical Neurophysiology</i> , 2013, 124, 514-521.	1.5	10
59	Hierarchical and graphical analysis of fMRI network connectivity in healthy and schizophrenic groups. , 2011, , .		6
60	No effect of electrical transcranial direct current stimulation adjunct treatment for epilepsy partialis continua in POLG disease. <i>Epilepsy and Behavior Reports</i> , 2019, 12, 100339.	1.0	6
61	Parallel independent component analysis using an optimized neurovascular coupling for concurrent EEG-fMRI sources. , 2011, 2011, 2542-5.		2
62	Combined variants in reading epilepsy; coexisting anterior and posterior variants camouflaged as heat cramps where the patient finds his own diagnosis searching the internet. <i>Epilepsy & Behavior Case Reports</i> , 2016, 5, 75-77.	1.5	1
63	Fusion of concurrent single trial EEG data and fMRI data using multi-set canonical correlation analysis. , 2010, , .		0