

Tom Eichele

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

7,425

citations

38

h-index

63

g-index

63

ext. papers

9,011

ext. citations

5.6

avg, IF

5.68

L-index

#	Paper	IF	Citations
62	Tracking whole-brain connectivity dynamics in the resting state. <i>Cerebral Cortex</i> , 2014 , 24, 663-76	5.1	1572
61	A baseline for the multivariate comparison of resting-state networks. <i>Frontiers in Systems Neuroscience</i> , 2011 , 5, 2	3.5	895
60	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, 18760-5	11.5	806
59	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, 6173-8	11.5	354
58	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, 17798-803	11.5	251
57	Semi-automatic identification of independent components representing EEG artifact. <i>Clinical Neurophysiology</i> , 2009 , 120, 868-77	4.3	245
56	Methods for simultaneous EEG-fMRI: an introductory review. <i>Journal of Neuroscience</i> , 2012 , 32, 6053-60	6.6	189
55	Posterior medial frontal cortex activity predicts post-error adaptations in task-related visual and motor areas. <i>Journal of Neuroscience</i> , 2011 , 31, 1780-9	6.6	186
54	Functional brain networks in schizophrenia: a review. <i>Frontiers in Human Neuroscience</i> , 2009 , 3, 17	3.3	185
53	Visual activation of auditory cortex reflects maladaptive plasticity in cochlear implant users. <i>Brain</i> , 2012 , 135, 555-68	11.2	159
52	Capturing inter-subject variability with group independent component analysis of fMRI data: a simulation study. <i>NeuroImage</i> , 2012 , 59, 4141-59	7.9	155
51	SimTB, a simulation toolbox for fMRI data under a model of spatiotemporal separability. <i>NeuroImage</i> , 2012 , 59, 4160-7	7.9	136
50	Neural correlates of trial-to-trial fluctuations in response caution. <i>Journal of Neuroscience</i> , 2011 , 31, 17488-95	8.95	129
49	Cortico-striatal connectivity and cognition in normal aging: a combined DTI and resting state fMRI study. <i>NeuroImage</i> , 2011 , 55, 24-31	7.9	112
48	Multi-set canonical correlation analysis for the fusion of concurrent single trial ERP and functional MRI. <i>NeuroImage</i> , 2010 , 50, 1438-45	7.9	110
47	Reciprocal relations between cognitive neuroscience and formal cognitive models: opposites attract?. <i>Trends in Cognitive Sciences</i> , 2011 , 15, 272-9	14	107
46	Subcortical functional connectivity and verbal episodic memory in healthy elderly--a resting state fMRI study. <i>NeuroImage</i> , 2010 , 52, 379-88	7.9	100

45	Analysis of multimodal neuroimaging data. <i>IEEE Reviews in Biomedical Engineering</i> , 2011 , 4, 26-58	6.4	98
44	Joint independent component analysis for simultaneous EEG-fMRI: principle and simulation. <i>International Journal of Psychophysiology</i> , 2008 , 67, 212-21	2.9	96
43	Reactivity of hemodynamic responses and functional connectivity to different states of alpha synchrony: a concurrent EEG-fMRI study. <i>NeuroImage</i> , 2010 , 52, 1252-60	7.9	95
42	Unmixing concurrent EEG-fMRI with parallel independent component analysis. <i>International Journal of Psychophysiology</i> , 2008 , 67, 222-34	2.9	88
41	Automatic identification of functional clusters in fMRI data using spatial dependence. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 3406-17	5	85
40	High classification accuracy for schizophrenia with rest and task fMRI data. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 145	3.3	78
39	Mining EEG-fMRI using independent component analysis. <i>International Journal of Psychophysiology</i> , 2009 , 73, 53-61	2.9	76
38	EEGIFT: group independent component analysis for event-related EEG data. <i>Computational Intelligence and Neuroscience</i> , 2011 , 2011, 129365	3	64
37	Asymmetry of evoked potential latency to speech sounds predicts the ear advantage in dichotic listening. <i>Cognitive Brain Research</i> , 2005 , 24, 405-12		60
36	Neurophysiological evidence of impaired musical sound perception in cochlear-implant users. <i>Clinical Neurophysiology</i> , 2010 , 121, 2070-82	4.3	59
35	Evaluation of evoked potentials to dyadic tones after cochlear implantation. <i>Brain</i> , 2009 , 132, 1967-79	11.2	51
34	Modulations of functional connectivity in the healthy and schizophrenia groups during task and rest. <i>NeuroImage</i> , 2012 , 62, 1694-704	7.9	50
33	Tracking pattern learning with single-trial event-related potentials. <i>Clinical Neurophysiology</i> , 2006 , 117, 1957-73	4.3	49
32	Standardized computer-based organized reporting of EEG: SCORE - Second version. <i>Clinical Neurophysiology</i> , 2017 , 128, 2334-2346	4.3	48
31	Lateral differences in the default mode network in healthy controls and patients with schizophrenia. <i>Human Brain Mapping</i> , 2011 , 32, 654-64	5.9	47
30	Genetic determinants of target and novelty-related event-related potentials in the auditory oddball response. <i>NeuroImage</i> , 2009 , 46, 809-16	7.9	47
29	Presupplementary Motor Area Contributes to Altered Error Monitoring in Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2016 , 80, 562-71	7.9	45
28	The spatio-spectral characterization of brain networks: fusing concurrent EEG spectra and fMRI maps. <i>NeuroImage</i> , 2013 , 69, 101-11	7.9	45

27	Aberrant Processing of Deviant Stimuli in Schizophrenia Revealed by Fusion of fMRI and EEG Data. <i>Acta Neuropsychiatrica</i> , 2010 , 22, 127-138	3.9	45
26	Expectancy effects on omission evoked potentials in musicians and non-musicians. <i>Psychophysiology</i> , 2005 , 42, 191-201	4.1	44
25	Mal-adaptation of event-related EEG responses preceding performance errors. <i>Frontiers in Human Neuroscience</i> , 2010 , 4,	3.3	39
24	EEG Spectral Features Discriminate between Alzheimer's and Vascular Dementia. <i>Frontiers in Neurology</i> , 2015 , 6, 25	4.1	35
23	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	3.3	34
22	Decomposing the brain: components and modes, networks and nodes. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 255-6	14	31
21	Regularized Linear Discriminant Analysis of EEG Features in Dementia Patients. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 273	5.3	31
20	Acetylcholine mediates behavioral and neural post-error control. <i>Current Biology</i> , 2015 , 25, 1461-8	6.3	27
19	Group Study of Simulated Driving fMRI Data by Multiset Canonical Correlation Analysis. <i>Journal of Signal Processing Systems</i> , 2012 , 68, 31-48	1.4	25
18	Go/NoGo performance in boys with Tourette syndrome. <i>Child Neuropsychology</i> , 2010 , 16, 162-8	2.7	25
17	Effective connectivity analysis of fMRI and MEG data collected under identical paradigms. <i>Computers in Biology and Medicine</i> , 2011 , 41, 1156-65	7	24
16	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, 15368-72	11.5	23
15	Event-Related-Potential (ERP) Correlates of Performance Monitoring in Adults With Attention-Deficit Hyperactivity Disorder (ADHD). <i>Frontiers in Psychology</i> , 2018 , 9, 485	3.4	21
14	Understanding the Epilepsy in POLG Related Disease. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	19
13	MEG and fMRI Fusion for Non-Linear Estimation of Neural and BOLD Signal Changes. <i>Frontiers in Neuroinformatics</i> , 2010 , 4, 114	3.9	19
12	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	4.5	18
11	Performance Monitoring in Medication-Naïve Children with Tourette Syndrome. <i>Frontiers in Neuroscience</i> , 2016 , 10, 50	5.1	18
10	The effects of the glutamate antagonist memantine on brain activation to an auditory perception task. <i>Human Brain Mapping</i> , 2009 , 30, 3616-24	5.9	16

9	Functional parcellation of the inferior frontal and midcingulate cortices in a flanker-stop-change paradigm. <i>Human Brain Mapping</i> , 2013 , 34, 1501-14	5.9	14
8	Error-preceding brain activity reflects (mal-)adaptive adjustments of cognitive control: a modeling study. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 97	3.3	11
7	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	5.1	10
6	Visual EEG reviewing times with SCORE EEG. <i>Clinical Neurophysiology Practice</i> , 2018 , 3, 59-64	3.8	6
5	The learning-oddball paradigm: data of 24 separate individuals illustrate its potential usefulness as a new clinical tool. <i>Clinical Neurophysiology</i> , 2013 , 124, 514-21	4.3	6
4	Hierarchical and graphical analysis of fMRI network connectivity in healthy and schizophrenic groups 2011 ,		6
3	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	1.3	4
2	Parallel independent component analysis using an optimized neurovascular coupling for concurrent EEG-fMRI sources. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 ,	0.9	2
1	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, 75-7	1.2	