

# Bob W Van Dijk

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,132  
citations

361045

20  
h-index

454577

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial patterns of visual cortical fast EEG during conditioned reflex in a rhesus monkey. <i>Brain Research</i> , 1987, 422, 267-276.	1.1	257
2	Disturbed functional connectivity in brain tumour patients: Evaluation by graph analysis of synchronization matrices. <i>Clinical Neurophysiology</i> , 2006, 117, 2039-2049.	0.7	257
3	Generalized Synchronization of MEG Recordings in Alzheimer's Disease: Evidence for Involvement of the Gamma Band. <i>Journal of Clinical Neurophysiology</i> , 2002, 19, 562-574.	0.9	242
4	Nonlinear synchronization in EEG and whole-head MEG recordings of healthy subjects. <i>Human Brain Mapping</i> , 2003, 19, 63-78.	1.9	168
5	How do brain tumors alter functional connectivity? A magnetoencephalography study. <i>Annals of Neurology</i> , 2006, 59, 128-138.	2.8	164
6	Synchronized brain activity and neurocognitive function in patients with low-grade glioma: A magnetoencephalography study. <i>Neuro-Oncology</i> , 2008, 10, 734-744.	0.6	119
7	Disturbed functional brain networks and neurocognitive function in low-grade glioma patients: a graph theoretical analysis of resting-state MEG. <i>Nonlinear Biomedical Physics</i> , 2009, 3, 9.	1.5	116
8	Texture segregation is processed by primary visual cortex in man and monkey. Evidence from VEP experiments. <i>Vision Research</i> , 1992, 32, 797-807.	0.7	115
9	Contour from motion processing occurs in primary visual cortex. <i>Nature</i> , 1993, 363, 541-543.	13.7	99
10	Resting-State Oscillatory Brain Dynamics in Alzheimer Disease. <i>Journal of Clinical Neurophysiology</i> , 2008, 25, 187-193.	0.9	75
11	Multiple sclerosis patients show a highly significant decrease in alpha band interhemispheric synchronization measured using MEG. <i>NeuroImage</i> , 2006, 29, 783-788.	2.1	73
12	Cognitive and Clinical Dysfunction, Altered MEG Resting-State Networks and Thalamic Atrophy in Multiple Sclerosis. <i>PLoS ONE</i> , 2013, 8, e69318.	1.1	68
13	Magnetoencephalography as a Putative Biomarker for Alzheimer's Disease. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-10.	1.1	43
14	Assessing the reproducibility of the SienaX and Siena brain atrophy measures using the ADNI back-to-back MP-RAGE MRI scans. <i>Psychiatry Research - Neuroimaging</i> , 2011, 193, 182-190.	0.9	43
15	A Healthy Brain in a Healthy Body: Brain Network Correlates of Physical and Mental Fitness. <i>PLoS ONE</i> , 2014, 9, e88202.	1.1	40
16	Organization of texture segregation processing in primate visual cortex. <i>Visual Neuroscience</i> , 1993, 10, 781-790.	0.5	38
17	Age Distribution of MEG Spontaneous Theta Activity in Healthy Subjects. <i>Brain Topography</i> , 2005, 17, 165-175.	0.8	32
18	Visual stimulation reduces EEG activity in man. <i>Brain Research</i> , 1991, 550, 49-53.	1.1	29

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19	Long-term effects of cranial irradiation and intrathecal chemotherapy in treatment of childhood leukemia: a MEG study of power spectrum and correlated cognitive dysfunction. BMC Neurology, 2012, 12, 84.	0.8	29
20	Performance of five research-domain automated WM lesion segmentation methods in a multi-center MS study. NeuroImage, 2017, 163, 106-114.	2.1	27
21	Reproducibility of hippocampal atrophy rates measured with manual, FreeSurfer, AdaBoost, FSL/FIRST and the MAPS-HBSI methods in Alzheimer's disease. Psychiatry Research - Neuroimaging, 2016, 252, 26-35.	0.9	20
22	Organization of contour from motion processing in primate visual cortex. Vision Research, 1994, 34, 721-735.	0.7	19
23	Whole-head MEG analysis of cortical spatial organization from unilateral stimulation of median nerve in both hands: No complete hemispheric homology. NeuroImage, 2005, 28, 314-325.	2.1	17
24	The SIENA/FSL whole brain atrophy algorithm is no more reproducible at 3 T than 1.5 T for Alzheimer's disease. Psychiatry Research - Neuroimaging, 2014, 224, 14-21.	0.9	12
25	Topography of occipital EEG-reduction upon visual stimulation. Brain Topography, 1992, 5, 177-181.	0.8	8
26	Relation between carotid stiffness, cognitive performance and brain connectivity in a healthy middle-aged population: an observational neurophysiological cohort study with magnetoencephalography. BMJ Open, 2016, 6, e013441.	0.8	8
27	Cortical Characterization and Inter-Dipole Distance Between Unilateral Median Versus Ulnar Nerve Stimulation of Both Hands in MEG. Brain Topography, 2006, 19, 29-42.	0.8	5
28	Equivalent dipole source localization of EEG and evoked potentials: Sources of errors or sources with confidence?. Brain Topography, 1993, 5, 355-359.	0.8	3
29	Resting-State Oscillatory Activity in Children Born Small for Gestational Age: An MEG Study. Frontiers in Human Neuroscience, 2013, 7, 600.	1.0	3
30	Non-Linear Dynamics of Columns of Cat Visual Cortex Revealed by Simulation and Experiment. Novartis Foundation Symposium, 1994, 184, 88-103.	1.2	1
31	Low Temporal Frequency Desynchronization and High Temporal Frequency Synchronization Accompany Processing of Visual Stimuli in Anaesthetized Cat Visual Cortex. , 1994, , 183-204.		1
32	Synchrony and Fast Plasticity in the Visual Cortex. , 1995, , 13-20.		1