

# Sjoerd B Vos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6464288/publications.pdf>

Version: 2024-02-01

81  
papers

3,193  
citations

218592

26  
h-index

189801

50  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial volume effect as a hidden covariate in DTI analyses. <i>NeuroImage</i> , 2011, 55, 1566-1576.	2.1	308
2	The influence of complex white matter architecture on the mean diffusivity in diffusion tensor MRI of the human brain. <i>NeuroImage</i> , 2012, 59, 2208-2216.	2.1	183
3	The importance of correcting for signal drift in diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 285-299.	1.9	174
4	Recursive calibration of the fiber response function for spherical deconvolution of diffusion MRI data. <i>NeuroImage</i> , 2014, 86, 67-80.	2.1	163
5	Progressive Cortical Thinning in Patients With Focal Epilepsy. <i>JAMA Neurology</i> , 2019, 76, 1230.	4.5	132
6	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020, 143, 2454-2473.	3.7	123
7	The impact of epilepsy surgery on the structural connectome and its relation to outcome. <i>NeuroImage: Clinical</i> , 2018, 18, 202-214.	1.4	109
8	Reliability of brain volume measurements: A test-retest dataset. <i>Scientific Data</i> , 2014, 1, 140037.	2.4	106
9	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. <i>Science Advances</i> , 2020, 6, .	4.7	97
10	Structural imaging biomarkers of sudden unexpected death in epilepsy. <i>Brain</i> , 2015, 138, 2907-2919.	3.7	95
11	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021, 243, 118502.	2.1	94
12	Current use of imaging and electromagnetic source localization procedures in epilepsy surgery centers across Europe. <i>Epilepsia</i> , 2016, 57, 770-776.	2.6	89
13	Dysfunctional Brain Networking among Autonomic Regulatory Structures in Temporal Lobe Epilepsy Patients at High Risk of Sudden Unexpected Death in Epilepsy. <i>Frontiers in Neurology</i> , 2017, 8, 544.	1.1	69
14	Association of Piriform Cortex Resection With Surgical Outcomes in Patients With Temporal Lobe Epilepsy. <i>JAMA Neurology</i> , 2019, 76, 690.	4.5	69
15	“MASSIVE” brain dataset: Multiple acquisitions for standardization of structural imaging validation and evaluation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1797-1809.	1.9	65
16	Diffusion Tensor Imaging of TBI. <i>Topics in Magnetic Resonance Imaging</i> , 2015, 24, 241-251.	0.7	58
17	Abnormal hippocampal structure and function in juvenile myoclonic epilepsy and unaffected siblings. <i>Brain</i> , 2019, 142, 2670-2687.	3.7	54
18	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. <i>Epilepsia</i> , 2019, 60, 718-729.	2.6	54

#	ARTICLE	IF	CITATIONS
19	Thalamus and focal to bilateral seizures. <i>Neurology</i> , 2020, 95, e2427-e2441.	1.5	54
20	Structural Brain Network Abnormalities and the Probability of Seizure Recurrence After Epilepsy Surgery. <i>Neurology</i> , 2021, 96, e758-e771.	1.5	49
21	Automated T2 relaxometry of the hippocampus for temporal lobe epilepsy. <i>Epilepsia</i> , 2017, 58, 1645-1652.	2.6	43
22	Focal to bilateral tonic-clonic seizures are associated with widespread network abnormality in temporal lobe epilepsy. <i>Epilepsia</i> , 2021, 62, 729-741.	2.6	42
23	Diverging lesion and connectivity patterns influence early and late swallowing recovery after hemispheric stroke. <i>Human Brain Mapping</i> , 2017, 38, 2165-2176.	1.9	38
24	Automated multiple trajectory planning algorithm for the placement of stereo-electroencephalography (SEEG) electrodes in epilepsy treatment. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 123-136.	1.7	37
25	Anatomy-driven multiple trajectory planning (ADMTP) of intracranial electrodes for epilepsy surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 1245-1255.	1.7	34
26	Computer-assisted planning for the insertion of stereoelectroencephalography electrodes for the investigation of drug-resistant focal epilepsy: an external validation study. <i>Journal of Neurosurgery</i> , 2018, , 1-10.	0.9	33
27	The quantitative neuroradiology initiative framework: application to dementia. <i>British Journal of Radiology</i> , 2019, 92, 20190365.	1.0	32
28	Effects of carbamazepine and lamotrigine on functional magnetic resonance imaging cognitive networks. <i>Epilepsia</i> , 2018, 59, 1362-1371.	2.6	30
29	Microstructural imaging in temporal lobe epilepsy: Diffusion imaging changes relate to reduced neurite density. <i>NeuroImage: Clinical</i> , 2020, 26, 102231.	1.4	30
30	Naming fMRI predicts the effect of temporal lobe resection on language decline. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2186-2196.	1.7	29
31	Normative brain mapping of interictal intracranial EEG to localize epileptogenic tissue. <i>Brain</i> , 2022, 145, 939-949.	3.7	28
32	Trade-off between angular and spatial resolutions in in vivo fiber tractography. <i>NeuroImage</i> , 2016, 129, 117-132.	2.1	27
33	Resective surgery prevents progressive cortical thinning in temporal lobe epilepsy. <i>Brain</i> , 2020, 143, 3262-3272.	3.7	27
34	Hippocampal profiling: Localized magnetic resonance imaging volumetry and T2 relaxometry for hippocampal sclerosis. <i>Epilepsia</i> , 2020, 61, 297-309.	2.6	26
35	Peri-ictal hypoxia is related to extent of regional brain volume loss accompanying generalized tonic-clonic seizures. <i>Epilepsia</i> , 2020, 61, 1570-1580.	2.6	25
36	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. <i>NeuroImage: Clinical</i> , 2021, 31, 102765.	1.4	25

#	ARTICLE	IF	CITATIONS
37	Multi-Fiber Tractography Visualizations for Diffusion MRI Data. PLoS ONE, 2013, 8, e81453.	1.1	24
38	Diffusion tensor imaging of the auditory nerve in patients with long-term single-sided deafness. Hearing Research, 2015, 323, 1-8.	0.9	24
39	Automatic segmentation of stereoelectroencephalography (SEEG) electrodes post-implantation considering bending. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 935-946.	1.7	24
40	Hippocampal Shape Is Associated with Memory Deficits in Temporal Lobe Epilepsy. Annals of Neurology, 2020, 88, 170-182.	2.8	23
41	Meyer's loop asymmetry and language lateralisation in epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 836-842.	0.9	22
42	Disorganization of language and working memory systems in frontal versus temporal lobe epilepsy. Brain, 2023, 146, 935-953.	3.7	22
43	Stereoelectroencephalography electrode placement: Detection of blood vessel conflicts. Epilepsia, 2019, 60, 1942-1948.	2.6	19
44	Automated fiber tract reconstruction for surgery planning: Extensive validation in language-related white matter tracts. NeuroImage: Clinical, 2019, 23, 101883.	1.4	19
45	Network reorganisation following anterior temporal lobe resection and relation with post-surgery seizure relapse: A longitudinal study. NeuroImage: Clinical, 2020, 27, 102320.	1.4	19
46	Automated quantitative MRI volumetry reports support diagnostic interpretation in dementia: a multi-rater, clinical accuracy study. European Radiology, 2021, 31, 5312-5323.	2.3	19
47	Multivariate white matter alterations are associated with epilepsy duration. European Journal of Neuroscience, 2021, 53, 2788-2803.	1.2	18
48	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	3.7	18
49	Motor hyperactivation during cognitive tasks: An endophenotype of juvenile myoclonic epilepsy. Epilepsia, 2020, 61, 1438-1452.	2.6	17
50	Computer-Assisted Planning for Stereoelectroencephalography (SEEG). Neurotherapeutics, 2019, 16, 1183-1197.	2.1	16
51	Decoupling of functional and structural language networks in temporal lobe epilepsy. Epilepsia, 2021, 62, 2941-2954.	2.6	15
52	Episodic memory network connectivity in temporal lobe epilepsy. Epilepsia, 2022, 63, 2597-2622.	2.6	15
53	Automated longitudinal intra-subject analysis (ALISA) for diffusion MRI tractography. NeuroImage, 2014, 86, 404-416.	2.1	13
54	Optimal Surgical Extent for Memory and Seizure Outcome in Temporal Lobe Epilepsy. Annals of Neurology, 2022, 91, 131-144.	2.8	13

#	ARTICLE	IF	CITATIONS
55	Independent components of human brain morphology. <i>NeuroImage</i> , 2021, 226, 117546.	2.1	12
56	Clinical evaluation of automated quantitative MRI reports for assessment of hippocampal sclerosis. <i>European Radiology</i> , 2021, 31, 34-44.	2.3	11
57	Structure and function of language networks in temporal lobe epilepsy. <i>Epilepsia</i> , 2022, , .	2.6	11
58	Diagnostic value of MRI in the presurgical evaluation of patients with epilepsy: influence of field strength and sequence selection: a systematic review and meta-analysis from the EPILEPSY Consortium. <i>Epileptic Disorders</i> , 2022, 24, 323-342.	0.7	11
59	Event-based modeling in temporal lobe epilepsy demonstrates progressive atrophy from cross-sectional data. <i>Epilepsia</i> , 2022, 63, 2081-2095.	2.6	11
60	A novel scheme for the validation of an automated classification method for epileptic spikes by comparison with multiple observers. <i>Clinical Neurophysiology</i> , 2017, 128, 1246-1254.	0.7	10
61	The Effect of Vascular Segmentation Methods on Stereotactic Trajectory Planning for Drug-Resistant Focal Epilepsy: A Retrospective Cohort Study. <i>World Neurosurgery: X</i> , 2019, 4, 100057.	0.6	10
62	Shared hippocampal abnormalities in sporadic temporal lobe epilepsy patients and their siblings. <i>Epilepsia</i> , 2020, 61, 735-746.	2.6	10
63	Enhancing the estimation of fiber orientation distributions using convolutional neural networks. <i>Computers in Biology and Medicine</i> , 2021, 135, 104643.	3.9	10
64	Detection of covert lesions in focal epilepsy using computational analysis of multimodal magnetic resonance imaging data. <i>Epilepsia</i> , 2021, 62, 807-816.	2.6	9
65	The Open-Access European Prevention of Alzheimer's Dementia (EPAD) MRI dataset and processing workflow. <i>NeuroImage: Clinical</i> , 2022, 35, 103106.	1.4	9
66	Computer-assisted planning for minimally invasive anterior two-thirds laser corpus callosotomy: A feasibility study with probabilistic tractography validation. <i>NeuroImage: Clinical</i> , 2020, 25, 102174.	1.4	8
67	Evaluation of prospective motion correction of high-resolution 3D-T2-FLAIR acquisitions in epilepsy patients. <i>Journal of Neuroradiology</i> , 2018, 45, 368-373.	0.6	7
68	FLAIR-only joint volumetric analysis of brain lesions and atrophy in clinically isolated syndrome (CIS) suggestive of multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021, 29, 102542.	1.4	6
69	Resection of the piriform cortex for temporal lobe epilepsy: a Novel approach on imaging segmentation and surgical application. <i>British Journal of Neurosurgery</i> , 2021, , 1-6.	0.4	6
70	Effect of Anti-seizure Medications on Functional Anatomy of Language: A Perspective From Language Functional Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2021, 15, 787272.	1.4	6
71	Increased facial asymmetry in focal epilepsies associated with unilateral lesions. <i>Brain Communications</i> , 2021, 3, fcab068.	1.5	5
72	Volumetric analysis of the piriform cortex in temporal lobe epilepsy. <i>Epilepsy Research</i> , 2022, 185, 106971.	0.8	5

#	ARTICLE	IF	CITATIONS
73	Volumetric and structural connectivity abnormalities co-localise in TLE. <i>NeuroImage: Clinical</i> , 2022, 35, 103105.	1.4	5
74	Patient-specific prediction of SEEG electrode bending for stereotactic neurosurgical planning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 789-798.	1.7	4
75	Intraoperative overlay of optic radiation tractography during anteromesial temporal resection: a prospective validation study. <i>Journal of Neurosurgery</i> , 2022, 136, 543-552.	0.9	4
76	Non-parametric combination of multimodal MRI for lesion detection in focal epilepsy. <i>NeuroImage: Clinical</i> , 2021, 32, 102837.	1.4	3
77	A generative model of hyperelastic strain energy density functions for multiple tissue brain deformation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 141-150.	1.7	2
78	Diffusion Magnetic Resonance Imaging and Fiber Tractography. <i>PET Clinics</i> , 2013, 8, 279-293.	1.5	1
79	P3â€422: PROTOCOL HARMONISATION AND INâ€VIVO COMPARISON OF ARTERIAL SPIN LABELLING PERFUSION MRI FOR MULTICENTER CLINICAL TRIALS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1269.	0.4	0
80	ExploreQC: A toolbox for MRI quality control in the EPAD multicentre study. <i>Alzheimer's and Dementia</i> , 2020, 16, e041952.	0.4	0
81	Neuroimagingâ€derived phenotypes in the European Prevention of Alzheimer Dementia (EPAD) Cohort Study. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0