Dorothee Saur

List of Publications by Year
in descending order

83 papers	5,600 citations	159585 30 h-index	85541 71 g-index
91 all docs	91 docs citations	91 times ranked	5584 citing authors

#	Article	IF	Citations
1	Ventral and dorsal pathways for language. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18035-18040.	7.1	1,306
2	Dynamics of language reorganization after stroke. Brain, 2006, 129, 1371-1384.	7.6	945
3	Combining functional and anatomical connectivity reveals brain networks for auditory language comprehension. NeuroImage, 2010, 49, 3187-3197.	4.2	246
4	Damage to ventral and dorsal language pathways in acute aphasia. Brain, 2013, 136, 619-629.	7.6	229
5	Neuroimaging of stroke recovery from aphasia â€" Insights into plasticity of the human language network. NeuroImage, 2019, 190, 14-31.	4.2	168
6	Structural Connectivity for Visuospatial Attention: Significance of Ventral Pathways. Cerebral Cortex, 2010, 20, 121-129.	2.9	155
7	How the ventral pathway got lost â€" And what its recovery might mean. Brain and Language, 2011, 118, 29-39.	1.6	147
8	Assessment of ^{18}F-PI-2620 as a Biomarker in Progressive Supranuclear Palsy. JAMA Neurology, 2020, 77, 1408.	9.0	145
9	Perturbation of the left inferior frontal gyrus triggers adaptive plasticity in the right homologous area during speech production. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16402-16407.	7.1	122
10	Early functional magnetic resonance imaging activations predict language outcome after stroke. Brain, 2010, 133, 1252-1264.	7.6	113
11	Dynamics of language reorganization after left temporo-parietal and frontal stroke. Brain, 2020, 143, 844-861.	7.6	102
12	Neurobiology of Language Recovery After Stroke: Lessons From Neuroimaging Studies. Archives of Physical Medicine and Rehabilitation, 2012, 93, S15-S25.	0.9	94
13	Dissociating Parieto-Frontal Networks for Phonological and Semantic Word Decisions: A Condition-and-Perturb TMS Study. Cerebral Cortex, 2016, 26, 2590-2601.	2.9	93
14	Network modulation during complex syntactic processing. NeuroImage, 2012, 59, 815-823.	4.2	90
15	Acute visual neglect and extinction: distinct functional state of the visuospatial attention system. Brain, 2011, 134, 3310-3325.	7.6	85
16	Connecting and merging fibres: Pathway extraction by combining probability maps. NeuroImage, 2008, 43, 81-89.	4.2	64
17	Ventral and dorsal fiber systems for imagined and executed movement. Experimental Brain Research, 2012, 219, 203-216.	1.5	64
18	Please donâ€™t underestimate the ventral pathway in language. Trends in Cognitive Sciences, 2009, 13, 369-370.	7.8	60

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19	Iomazenil-Single-Photon Emission Computed Tomography Reveals Selective Neuronal Loss in Magnetic Resonance-Defined Mismatch Areas. Stroke, 2006, 37, 2713-2719.	2.0	58
20	Model-oriented naming therapy in semantic dementia: A single-case fMRI study. Aphasiology, 2010, 24, 1537-1558.	2.2	57
21	Simultaneous PET/Mri in Stroke: A Case Series. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1421-1425.	4.3	57
22	The longitudinal changes of BOLD response and cerebral hemodynamics from acute to subacute stroke. A fMRI and TCD study. BMC Neuroscience, 2009, 10, 151.	1.9	55
23	Resting-state functional connectivity: An emerging method for the study of language networks in post-stroke aphasia. Brain and Cognition, 2019, 131, 22-33.	1.8	54
24	Extraction of prefronto-amygdalar pathways by combining probability maps. Psychiatry Research - Neuroimaging, 2009, 174, 217-222.	1.8	52
25	Rapid short-term reorganization in the language network. ELife, 2017, 6, .	6.0	49
26	Word order processing in the bilingual brain. Neuropsychologia, 2009, 47, 158-168.	1.6	47
27	The Dual-Loop Model and the Human Mirror Neuron System: an Exploratory Combined fMRI and DTI Study of the Inferior Frontal Gyrus. Cerebral Cortex, 2016, 26, 2215-2224.	2.9	47
28	Neuroimaging in aphasia treatment research: Consensus and practical guidelines for data analysis. NeuroImage, 2013, 73, 215-224.	4.2	46
29	Reduced interhemispheric structural connectivity between anterior cingulate cortices in borderline personality disorder. Psychiatry Research - Neuroimaging, 2010, 181, 151-154.	1.8	43
30	Early-phase [18F]PI-2620 tau-PET imaging as a surrogate marker of neuronal injury. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2911-2922.	6.4	36
31	Increased Facilitatory Connectivity from the Pre-SMA to the Left Dorsal Premotor Cortex during Pseudoword Repetition. Journal of Cognitive Neuroscience, 2013, 25, 580-594.	2.3	31
32	Fiber pathways connecting cortical areas relevant for spatial orienting and exploration. Human Brain Mapping, 2014, 35, 1031-1043.	3.6	31
33	Correct and erroneous picture naming responses in healthy subjects. Neuroscience Letters, 2009, 463, 167-171.	2.1	30
34	The neuronal network involved in self-attribution of an artificial hand: A lesion network-symptom-mapping study. NeuroImage, 2018, 166, 317-324.	4.2	30
35	Binding characteristics of [18F]PI-2620 distinguish the clinically predicted tau isoform in different tauopathies by PET. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2957-2972.	4.3	30
36	Functional role of ipsilateral motor areas in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 578-583.	1.9	26

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37	Feasibility and acceptance of simultaneous amyloid PET/MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2236-2243.	6.4	25
38	When less is more: Structural correlates of core executive functions in young adults â€" A VBM and cortical thickness study. NeuroImage, 2019, 189, 896-903.	4.2	25
39	Fronto-parietal dorsal and ventral pathways in the context of different linguistic manipulations. Brain and Language, 2013, 127, 241-250.	1.6	24
40	Delayed Post-hypoxic Leukoencephalopathy (DPHL)â€"An Uncommon Variant of Hypoxic Brain Damage in Adults. Frontiers in Neurology, 2018, 9, 708.	2.4	24
41	Reduced Precuneus Deactivation during Object Naming in Patients with Mild Cognitive Impairment, Alzheimerâ€™s Disease, and Frontotemporal Lobar Degeneration. Dementia and Geriatric Cognitive Disorders, 2010, 30, 334-343.	1.5	23
42	Hippocampal diaschisis contributes to anosognosia for hemiplegia: Evidence from lesion network-symptom-mapping. NeuroImage, 2020, 208, 116485.	4.2	22
43	Feasibility of short imaging protocols for [18F]PI-2620 tau-PET in progressive supranuclear palsy. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3872-3885.	6.4	22
44	Short-term modulation of the lesioned language network. ELife, 2020, 9, .	6.0	21
45	Integration demands modulate effective connectivity in a fronto-temporal network for contextual sentence integration. NeuroImage, 2017, 147, 812-824.	4.2	20
46	Dual Time-Point [18F]Florbetaben PET Delivers Dual Biomarker Information in Mild Cognitive Impairment and Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 66, 1105-1116.	2.6	20
47	On the Detection of Direct Directed Information Flow in fMRI. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 965-974.	10.8	19
48	Fully automated classification of HARDI in vivo data using a support vector machine. NeuroImage, 2009, 46, 642-651.	4.2	19
49	Age-Dependent Contribution of Domain-General Networks to Semantic Cognition. Cerebral Cortex, 2022, 32, 870-890.	2.9	19
50	Pathological laughter and crying: insights from lesion network-symptom-mapping. Brain, 2021, 144, 3264-3276.	7.6	17
51	Recent progress in translational research on neurovascular and neurodegenerative disorders. Restorative Neurology and Neuroscience, 2017, 35, 87-103.	0.7	16
52	Uncertaintyâ€aware Visualization in Medical Imaging â€•A Survey. Computer Graphics Forum, 2021, 40, 665-689.	3.0	16
53	Activation changes in sensorimotor cortex during improvement due to CIMT in chronic stroke. Restorative Neurology and Neuroscience, 2011, 29, 299-310.	0.7	15
54	Insights into early language recovery: from basic principles to practical applications. Aphasiology, 2016, 30, 517-541.	2.2	15

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55	Quantification of Internal Carotid Artery Stenosis with 3D Ultrasound Angiography. Ultraschall in Der Medizin, 2015, 36, 487-493.	1.5	14
56	Failure to confirm benefit of acetyl-dl-leucine in degenerative cerebellar ataxia: a case series. Journal of Neurology, 2015, 262, 1373-1375.	3.6	14
57	Long-term cognitive impairment after ICU treatment: a prospective longitudinal cohort study (Cog-I-CU). Scientific Reports, 2020, 10, 15518.	3.3	14
58	Componential Network for the Recognition of Tool-Associated Actions: Evidence from Voxel-based Lesion-Symptom Mapping in Acute Stroke Patients. Cerebral Cortex, 2016, 27, 4139-4152.	2.9	13
59	Evaluation of Freehand B-Mode and Power-Mode 3D Ultrasound for Visualisation and Grading of Internal Carotid Artery Stenosis. PLoS ONE, 2017, 12, e0167500.	2.5	13
60	The Cerebral Surfactant System and Its Alteration in Hydrocephalic Conditions. PLoS ONE, 2016, 11, e0160680.	2.5	13
61	Involuntary attentional capture by speech and non-speech deviations: A combined behavioral–event-related potential study. Brain Research, 2013, 1490, 153-160.	2.2	12
62	Visualizing Multimodal Deep Learning for Lesion Prediction. IEEE Computer Graphics and Applications, 2021, 41, 90-98.	1.2	12
63	Resolution of diaschisis contributes to early recovery from post-stroke aphasia. NeuroImage, 2022, 251, 119001.	4.2	12
64	Differential spatial representation of precision and power grasps in the human motor system. NeuroImage, 2017, 158, 58-69.	4.2	11
65	Evaluation Of freehand high-resolution 3-dimensional ultrasound of the median nerve. Muscle and Nerve, 2017, 55, 206-212.	2.2	9
66	Association of Lesion Location and Depressive Symptoms Poststroke. Stroke, 2021, 52, 830-837.	2.0	9
67	Multicenter 18F-PI-2620 PET for In Vivo Braak Staging of Tau Pathology in Alzheimer's Disease. Biomolecules, 2022, 12, 458.	4.0	9
68	Fronto-temporal interactions are functionally relevant for semantic control in language processing. PLoS ONE, 2017, 12, e0177753.	2.5	8
69	How to deal with Uncertainty in Machine Learning for Medical Imaging?. , 2021, , .		8
70	Combined PET/MRI. Neurology, 2016, 86, 1926-1927.	1.1	7
71	Reply to Yamada: The extreme capsule is the ventral pathway for language. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, .	7.1	5
72	Multiparametric 3D Contrast-Enhanced Ultrasound to Assess Internal Carotid Artery Stenosis: A Pilot Study. Journal of Neuroimaging, 2020, 30, 82-89.	2.0	5

#	ARTICLE	IF	CITATIONS
73	Definition of Primary and Secondary Glioblastomaâ€"Letter. Clinical Cancer Research, 2014, 20, 2011-2012.	7.0	4
74	Neurophysiological examination combined with functional intraoperative navigation using TMS in patients with brain tumor near the central regionâ€"a pilot study. Acta Neurochirurgica, 2019, 161, 1853-1864.	1.7	4
75	Hippocampal gray matter volume in the long-term course after transient global amnesia. NeuroImage: Clinical, 2021, 30, 102586.	2.7	4
76	Evaluation of the interrater and intermethod agreement of the German multiparametric ultrasound criteria for the grading of internal carotid artery stenosis. Neuroradiology, 2021, 63, 519-528.	2.2	3
77	PET/MRI Delivers Multimodal Brain Signature in Alzheimerâ€™s Disease with De Novo PSEN1 Mutation. Current Alzheimer Research, 2021, 18, 178-184.	1.4	3
78	Status of clinical research in neurology in Germanyâ€"A national survey. European Journal of Neurology, 2021, 28, 1446-1452.	3.3	2
79	Recovery from aphasia: lessons from imaging studies. , 0, , 125-132.		1
80	Successful systemic thrombolysis with rtPA in a patient with history of a life-threatening rtPA-associated orolingual angioedema. ENeurologicalSci, 2017, 8, 36-37.	1.3	1
81	Bildgebende Verfahren â€" Aktivierungsstudien mit fMRT und PET. , 2009, , 238-250.		1
82	Commentary on Bajada et al., (2015). Cortex, 2016, 75, 247-248.	2.4	0
83	OUP accepted manuscript. Brain, 2022, , .	7.6	0