

# Svenja Caspers

## List of Publications by Year in descending order

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Version: 2024-02-01

98  
papers

8,642  
citations

126708

33  
h-index

49773

87  
g-index

108  
all docs

108  
docs citations

108  
times ranked

10659  
citing authors

#	ARTICLE	IF	CITATIONS
1	ALE meta-analysis of action observation and imitation in the human brain. <i>NeuroImage</i> , 2010, 50, 1148-1167.	2.1	1,168
2	Assignment of functional activations to probabilistic cytoarchitectonic areas revisited. <i>NeuroImage</i> , 2007, 36, 511-521.	2.1	881
3	The human inferior parietal cortex: Cytoarchitectonic parcellation and interindividual variability. <i>NeuroImage</i> , 2006, 33, 430-448.	2.1	570
4	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	6.0	450
5	Co-activation patterns distinguish cortical modules, their connectivity and functional differentiation. <i>NeuroImage</i> , 2011, 57, 938-949.	2.1	449
6	Neural correlates of action: Comparing meta-analyses of imagery, observation, and execution. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 94, 31-44.	2.9	440
7	The human inferior parietal lobule in stereotaxic space. <i>Brain Structure and Function</i> , 2008, 212, 481-495.	1.2	355
8	Meta-analytical definition and functional connectivity of the human vestibular cortex. <i>NeuroImage</i> , 2012, 60, 162-169.	2.1	352
9	Is There a "One" DLPFC in Cognitive Action Control? Evidence for Heterogeneity From Co-Activation-Based Parcellation. <i>Cerebral Cortex</i> , 2013, 23, 2677-2689.	1.6	350
10	Anatomical and Functional Connectivity of Cytoarchitectonic Areas within the Human Parietal Operculum. <i>Journal of Neuroscience</i> , 2010, 30, 6409-6421.	1.7	324
11	Characterization of the temporo-parietal junction by combining data-driven parcellation, complementary connectivity analyses, and functional decoding. <i>NeuroImage</i> , 2013, 81, 381-392.	2.1	250
12	Probabilistic fibre tract analysis of cytoarchitectonically defined human inferior parietal lobule areas reveals similarities to macaques. <i>NeuroImage</i> , 2011, 58, 362-380.	2.1	216
13	Organization of the Human Inferior Parietal Lobule Based on Receptor Architectonics. <i>Cerebral Cortex</i> , 2013, 23, 615-628.	1.6	192
14	ALE meta-analysis on facial judgments of trustworthiness and attractiveness. <i>Brain Structure and Function</i> , 2011, 215, 209-223.	1.2	146
15	Whole-Body MR Imaging in the German National Cohort: Rationale, Design, and Technical Background. <i>Radiology</i> , 2015, 277, 206-220.	3.6	137
16	The role of anterior midcingulate cortex in cognitive motor control. <i>Human Brain Mapping</i> , 2014, 35, 2741-2753.	1.9	136
17	Evaluation of non-negative matrix factorization of grey matter in age prediction. <i>NeuroImage</i> , 2018, 173, 394-410.	2.1	99
18	Across-study and within-subject functional connectivity of a right temporo-parietal junction subregion involved in stimulus "context integration. <i>NeuroImage</i> , 2012, 60, 2389-2398.	2.1	98

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19	Studying variability in human brain aging in a population-based German cohort—rationale and design of 1000BRAINS. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 149.	1.7	97
20	Differentiated parietal connectivity of frontal regions for “what” and “where” memory. <i>Brain Structure and Function</i> , 2013, 218, 1551-1567.	1.2	86
21	Functional network reorganization in older adults: Graph-theoretical analyses of age, cognition and sex. <i>NeuroImage</i> , 2020, 214, 116756.	2.1	76
22	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	7.1	75
23	Cytoarchitecture, probability maps, and functions of the human supplementary and pre-supplementary motor areas. <i>Brain Structure and Function</i> , 2018, 223, 4169-4186.	1.2	74
24	The Right Dorsal Premotor Mosaic: Organization, Functions, and Connectivity. <i>Cerebral Cortex</i> , 2017, 27, bhw065.	1.6	66
25	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	6.0	54
26	Influence of age and cognitive performance on resting-state brain networks of older adults in a population-based cohort. <i>Cortex</i> , 2017, 89, 28-44.	1.1	53
27	Differential Patterns of Dysconnectivity in Mirror Neuron and Mentalizing Networks in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 1135-1148.	2.3	51
28	Age- and function-related regional changes in cortical folding of the default mode network in older adults. <i>Brain Structure and Function</i> , 2017, 222, 83-99.	1.2	50
29	Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602.	4.1	49
30	When your brain looks older than expected: combined lifestyle risk and BrainAGE. <i>Brain Structure and Function</i> , 2021, 226, 621-645.	1.2	47
31	Receptor architecture of visual areas in the face and word-form recognition region of the posterior fusiform gyrus. <i>Brain Structure and Function</i> , 2015, 220, 205-219.	1.2	43
32	Age-related decrease of functional connectivity additional to gray matter atrophy in a network for movement initiation. <i>Brain Structure and Function</i> , 2015, 220, 999-1012.	1.2	42
33	Combining lifestyle risks to disentangle brain structure and functional connectivity differences in older adults. <i>Nature Communications</i> , 2019, 10, 621.	5.8	42
34	Adult age-dependent differences in resting-state connectivity within and between visual-attention and sensorimotor networks. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 67.	1.7	41
35	Microstructural grey matter parcellation and its relevance for connectome analyses. <i>NeuroImage</i> , 2013, 80, 18-26.	2.1	40
36	Target sites for transcallosal fibers in human visual cortex—A combined diffusion and polarized light imaging study. <i>Cortex</i> , 2015, 72, 40-53.	1.1	37

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37	ANIMA: A data-sharing initiative for neuroimaging meta-analyses. <i>NeuroImage</i> , 2016, 124, 1245-1253.	2.1	37
38	On the integrity of functional brain networks in schizophrenia, Parkinson's disease, and advanced age: Evidence from connectivity-based single-subject classification. <i>Human Brain Mapping</i> , 2017, 38, 5845-5858.	1.9	35
39	Fiber length profiling: A novel approach to structural brain organization. <i>NeuroImage</i> , 2019, 186, 164-173.	2.1	35
40	A Complex Interplay of Vitamin B1 and B6 Metabolism with Cognition, Brain Structure, and Functional Connectivity in Older Adults. <i>Frontiers in Neuroscience</i> , 2017, 11, 596.	1.4	34
41	Microarchitecture and connectivity of the parietal lobe. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 151, 53-72.	1.0	34
42	Machine-learning identifies Parkinson's disease patients based on resting-state between-network functional connectivity. <i>British Journal of Radiology</i> , 2019, 92, 20180886.	1.0	34
43	Cytoarchitectonic segregation of human posterior intraparietal and adjacent parieto-occipital sulcus and its relation to visuomotor and cognitive functions. <i>Cerebral Cortex</i> , 2019, 29, 1305-1327.	1.6	32
44	Generalizing age effects on brain structure and cognition: A two-study comparison approach. <i>Human Brain Mapping</i> , 2019, 40, 2305-2319.	1.9	31
45	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , 2022, 43, 300-328.	1.9	30
46	Functional parcellation of human and macaque striatum reveals human-specific connectivity in the dorsal caudate. <i>NeuroImage</i> , 2021, 235, 118006.	2.1	29
47	An age-related shift of resting-state functional connectivity of the subthalamic nucleus: a potential mechanism for compensating motor performance decline in older adults. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 178.	1.7	27
48	Robust brain parcellation using sparse representation on resting-state fMRI. <i>Brain Structure and Function</i> , 2015, 220, 3565-3579.	1.2	27
49	Aging and response conflict solution: behavioural and functional connectivity changes. <i>Brain Structure and Function</i> , 2015, 220, 1739-1757.	1.2	27
50	Associations of Air Pollution and Noise with Local Brain Structure in a Cohort of Older Adults. <i>Environmental Health Perspectives</i> , 2020, 128, 67012.	2.8	27
51	Age-Related Changes of Peak Width Skeletonized Mean Diffusivity (PSMD) Across the Adult Lifespan: A Multi-Cohort Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 342.	1.3	26
52	A tutorial and tool for exploring feature similarity gradients with MRI data. <i>NeuroImage</i> , 2020, 221, 117140.	2.1	26
53	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	2.4	24
54	Bilingualism and "brain reserve": a matter of age. <i>Neurobiology of Aging</i> , 2019, 81, 157-165.	1.5	23

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55	Decoding the microstructural correlate of diffusion MRI. <i>NMR in Biomedicine</i> , 2019, 32, e3779.	1.6	23
56	Posterior Parietal Cortex. , 2012, , 1036-1055.		20
57	Activation shift in elderly subjects across functional systems: an fMRI study. <i>Brain Structure and Function</i> , 2014, 219, 707-718.	1.2	20
58	Cross-cultural consistency and diversity in intrinsic functional organization of Broca's Region. <i>NeuroImage</i> , 2017, 150, 177-190.	2.1	20
59	Chimpanzee brain morphometry utilizing standardized MRI preprocessing and macroanatomical annotations. <i>ELife</i> , 2020, 9, .	2.8	20
60	Task- and resting-state functional connectivity of brain regions related to affection and susceptible to concurrent cognitive demand. <i>NeuroImage</i> , 2013, 72, 69-82.	2.1	19
61	Moral Concepts Set Decision Strategies to Abstract Values. <i>PLoS ONE</i> , 2011, 6, e18451.	1.1	18
62	On the Neuroanatomy and Functional Role of the Inferior Parietal Lobule and Intraparietal Sulcus. , 2016, , 35-47.		18
63	Searching for behavior relating to grey matter volume in a-priori defined right dorsal premotor regions: Lessons learned. <i>NeuroImage</i> , 2017, 157, 144-156.	2.1	18
64	Role of the default mode resting-state network for cognitive functioning in malignant glioma patients following multimodal treatment. <i>NeuroImage: Clinical</i> , 2020, 27, 102287.	1.4	18
65	Quantitative, Organ-Specific Interscanner and Intrascanner Variability for 3 T Whole-Body Magnetic Resonance Imaging in a Multicenter, Multivendor Study. <i>Investigative Radiology</i> , 2016, 51, 255-265.	3.5	17
66	White Matter Microstructure Underlies the Effects of Sleep Quality and Life Stress on Depression Symptomatology in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 578037.	1.7	17
67	Cytoarchitectonic Characterization and Functional Decoding of Four New Areas in the Human Lateral Orbitofrontal Cortex. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 2.	0.9	15
68	Joint Multi-modal Parcellation of the Human Striatum: Functions and Clinical Relevance. <i>Neuroscience Bulletin</i> , 2020, 36, 1123-1136.	1.5	14
69	Longitudinal changes in brains of patients with fluent primary progressive aphasia. <i>Brain and Language</i> , 2014, 131, 11-19.	0.8	13
70	Hippocampus co-atrophy pattern in dementia deviates from covariance patterns across the lifespan. <i>Brain</i> , 2020, 143, 2788-2802.	3.7	13
71	An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling. <i>Science Advances</i> , 2022, 8, eabg9471.	4.7	13
72	Functional Characterization of Atrophy Patterns Related to Cognitive Impairment. <i>Frontiers in Neurology</i> , 2020, 11, 18.	1.1	12

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73	Pathway-Specific Genetic Risk for Alzheimer's Disease Differentiates Regional Patterns of Cortical Atrophy in Older Adults. <i>Cerebral Cortex</i> , 2019, 30, 801-811.	1.6	11
74	Neuropsychological and Brain Volume Differences in Patients with Left- and Right-Beginning Corticobasal Syndrome. <i>PLoS ONE</i> , 2014, 9, e110326.	1.1	10
75	Dissociated Neural Processing for Decisions in Managers and Non-Managers. <i>PLoS ONE</i> , 2012, 7, e43537.	1.1	9
76	Cytoarchitecture, probability maps and segregation of the human insula. <i>NeuroImage</i> , 2022, 260, 119453.	2.1	9
77	Lesion-Function Analysis from Multimodal Imaging and Normative Brain Atlases for Prediction of Cognitive Deficits in Glioma Patients. <i>Cancers</i> , 2021, 13, 2373.	1.7	8
78	Association of Blood Pressure, Its Treatment, and Treatment Efficacy With Volume of White Matter Hyperintensities in the Population-Based 1000BRAINS Study. <i>Hypertension</i> , 2021, 78, 1490-1501.	1.3	7
79	Evaluating a visualization of uncertainty in probabilistic tractography. , 2010, , .		6
80	Occipital Intralobar fasciculi: a description, through tractography, of three forgotten tracts. <i>Communications Biology</i> , 2021, 4, 433.	2.0	6
81	Vitamin D and white matter hyperintensities: results of the population-based Heinz Nixdorf Recall Study and 1000BRAINS. <i>European Journal of Neurology</i> , 2021, 28, 1849-1858.	1.7	6
82	The role of thickness inhomogeneities in hierarchical cortical folding. <i>NeuroImage</i> , 2021, 231, 117779.	2.1	6
83	The Effects of Domestication on the Brain and Behavior of the Chicken in the Light of Evolution. <i>Brain, Behavior and Evolution</i> , 2020, 95, 287-301.	0.9	6
84	Additional fiber orientations in the sagittal stratum "noise or anatomical fine structure?. <i>Brain Structure and Function</i> , 2022, 227, 1331-1345.	1.2	5
85	Prevalence and psychosocial correlates of subjectively perceived decline in five cognitive domains: Results from a population-based cohort study in Germany. <i>International Journal of Geriatric Psychiatry</i> , 2020, 35, 1219-1227.	1.3	4
86	Genetic factors influencing a neurobiological substrate for psychiatric disorders. <i>Translational Psychiatry</i> , 2021, 11, 192.	2.4	4
87	Deep characterization of individual brain-phenotype relations using a multilevel atlas. <i>Current Opinion in Behavioral Sciences</i> , 2021, 40, 153-160.	2.0	4
88	Generalizing Longitudinal Age Effects on Brain Structure " A Two-Study Comparison Approach. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 635687.	1.0	3
89	Case Report: Disruption of Resting-State Networks and Cognitive Deficits After Whole Brain Irradiation for Singular Brain Metastasis. <i>Frontiers in Neuroscience</i> , 2021, 15, 738708.	1.4	3
90	Long-term air pollution, noise, and structural measures of the Default Mode Network in the brain: Results from the 1000BRAINS cohort. <i>International Journal of Hygiene and Environmental Health</i> , 2022, 239, 113867.	2.1	3

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91	Multimodal investigation of the association between shift work and the brain in a population-based sample of older adults. <i>Scientific Reports</i> , 2022, 12, 2969.	1.6	3
92	A linguistic complexity pattern that defies aging: The processing of multiple negations. <i>Journal of Neurolinguistics</i> , 2021, 58, 100982.	0.5	2
93	The MRI posterior drawer test to assess posterior cruciate ligament functionality and knee joint laxity. <i>Scientific Reports</i> , 2021, 11, 19687.	1.6	2
94	Somatosensory area 3b is selectively unaffected in corticobasal syndrome: combining MRI and histology. <i>Neurobiology of Aging</i> , 2020, 94, 89-100.	1.5	1
95	Leadership and adult development: Towards a unified neuro-psycho-economic approach.. <i>Behavioral Development Bulletin</i> , 2014, 19, 83-90.	0.4	0
96	Evaluating Metabolic Risk Factors That Affect Brain Structure. <i>Radiology</i> , 2019, 291, 772-773.	3.6	0
97	Resting-State Functional Connectivity in Subjective Cognitive Impairment: Impairment prior to Alzheimer Disease. <i>Radiology</i> , 2019, 290, 177-178.	3.6	0
98	Tool zur integrierten Analyse von Struktur, Funktion und Konnektivität: SPM Anatomy Toolbox. , 2013, , 779-797.		0