

Svenja Caspers

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

8,642
citations

126907
33
h-index

49909
87
g-index

108
all docs

108
docs citations

108
times ranked

10659
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. Human Brain Mapping, 2022, 43, 300-328. | 3.6 | 30 |
| 2 | Long-term air pollution, noise, and structural measures of the Default Mode Network in the brain: Results from the 1000BRAINS cohort. International Journal of Hygiene and Environmental Health, 2022, 239, 113867. | 4.3 | 3 |
| 3 | An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling. Science Advances, 2022, 8, eabg9471. | 10.3 | 13 |
| 4 | Additional fiber orientations in the sagittal stratum – noise or anatomical fine structure?. Brain Structure and Function, 2022, 227, 1331-1345. | 2.3 | 5 |
| 5 | Multimodal investigation of the association between shift work and the brain in a population-based sample of older adults. Scientific Reports, 2022, 12, 2969. | 3.3 | 3 |
| 6 | Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432. | 14.8 | 75 |
| 7 | Cytoarchitecture, probability maps and segregation of the human insula. NeuroImage, 2022, 260, 119453. | 4.2 | 9 |
| 8 | When your brain looks older than expected: combined lifestyle risk and BrainAGE. Brain Structure and Function, 2021, 226, 621-645. | 2.3 | 47 |
| 9 | Genetic factors influencing a neurobiological substrate for psychiatric disorders. Translational Psychiatry, 2021, 11, 192. | 4.8 | 4 |
| 10 | Occipital Intralobar fasciculi: a description, through tractography, of three forgotten tracts. Communications Biology, 2021, 4, 433. | 4.4 | 6 |
| 11 | 1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182. | 4.8 | 24 |
| 12 | Vitamin D and white matter hyperintensities: results of the population-based Heinz Nixdorf Recall Study and 1000BRAINS. European Journal of Neurology, 2021, 28, 1849-1858. | 3.3 | 6 |
| 13 | Generalizing Longitudinal Age Effects on Brain Structure – A Two-Study Comparison Approach. Frontiers in Human Neuroscience, 2021, 15, 635687. | 2.0 | 3 |
| 14 | The role of thickness inhomogeneities in hierarchical cortical folding. NeuroImage, 2021, 231, 117779. | 4.2 | 6 |
| 15 | A linguistic complexity pattern that defies aging: The processing of multiple negations. Journal of Neurolinguistics, 2021, 58, 100982. | 1.1 | 2 |
| 16 | Lesion-Function Analysis from Multimodal Imaging and Normative Brain Atlases for Prediction of Cognitive Deficits in Glioma Patients. Cancers, 2021, 13, 2373. | 3.7 | 8 |
| 17 | Functional parcellation of human and macaque striatum reveals human-specific connectivity in the dorsal caudate. NeuroImage, 2021, 235, 118006. | 4.2 | 29 |
| 18 | Deep characterization of individual brain-phenotype relations using a multilevel atlas. Current Opinion in Behavioral Sciences, 2021, 40, 153-160. | 3.9 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | 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. | 2.8 | 3 |
| 20 | The MRI posterior drawer test to assess posterior cruciate ligament functionality and knee joint laxity. <i>Scientific Reports</i> , 2021, 11, 19687. | 3.3 | 2 |
| 21 | 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. | 2.7 | 7 |
| 22 | Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602. | 7.9 | 49 |
| 23 | 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. | 11.0 | 54 |
| 24 | Somatosensory area 3b is selectively unaffected in corticobasal syndrome: combining MRI and histology. <i>Neurobiology of Aging</i> , 2020, 94, 89-100. | 3.1 | 1 |
| 25 | 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. | 3.4 | 17 |
| 26 | Joint Multi-modal Parcellation of the Human Striatum: Functions and Clinical Relevance. <i>Neuroscience Bulletin</i> , 2020, 36, 1123-1136. | 2.9 | 14 |
| 27 | Hippocampus co-atrophy pattern in dementia deviates from covariance patterns across the lifespan. <i>Brain</i> , 2020, 143, 2788-2802. | 7.6 | 13 |
| 28 | 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. | 2.6 | 26 |
| 29 | Associations of Air Pollution and Noise with Local Brain Structure in a Cohort of Older Adults. <i>Environmental Health Perspectives</i> , 2020, 128, 67012. | 6.0 | 27 |
| 30 | 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. | 2.7 | 4 |
| 31 | 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. | 2.7 | 18 |
| 32 | Functional network reorganization in older adults: Graph-theoretical analyses of age, cognition and sex. <i>NeuroImage</i> , 2020, 214, 116756. | 4.2 | 76 |
| 33 | The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, . | 12.6 | 450 |
| 34 | A tutorial and tool for exploring feature similarity gradients with MRI data. <i>NeuroImage</i> , 2020, 221, 117140. | 4.2 | 26 |
| 35 | Cytoarchitectonic Characterization and Functional Decoding of Four New Areas in the Human Lateral Orbitofrontal Cortex. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 2. | 1.7 | 15 |
| 36 | Functional Characterization of Atrophy Patterns Related to Cognitive Impairment. <i>Frontiers in Neurology</i> , 2020, 11, 18. | 2.4 | 12 |

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|----|--|------|-----------|
| 37 | Chimpanzee brain morphometry utilizing standardized MRI preprocessing and macroanatomical annotations. <i>ELife</i> , 2020, 9, . | 6.0 | 20 |
| 38 | 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. | 1.7 | 6 |
| 39 | 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. | 2.9 | 11 |
| 40 | Generalizing age effects on brain structure and cognition: A two-study comparison approach. <i>Human Brain Mapping</i> , 2019, 40, 2305-2319. | 3.6 | 31 |
| 41 | Bilingualism and "brain reserve": a matter of age. <i>Neurobiology of Aging</i> , 2019, 81, 157-165. | 3.1 | 23 |
| 42 | Evaluating Metabolic Risk Factors That Affect Brain Structure. <i>Radiology</i> , 2019, 291, 772-773. | 7.3 | 0 |
| 43 | Machine-learning identifies Parkinson's disease patients based on resting-state between-network functional connectivity. <i>British Journal of Radiology</i> , 2019, 92, 20180886. | 2.2 | 34 |
| 44 | Combining lifestyle risks to disentangle brain structure and functional connectivity differences in older adults. <i>Nature Communications</i> , 2019, 10, 621. | 12.8 | 42 |
| 45 | 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. | 2.9 | 32 |
| 46 | Resting-State Functional Connectivity in Subjective Cognitive Impairment: Impairment prior to Alzheimer Disease. <i>Radiology</i> , 2019, 290, 177-178. | 7.3 | 0 |
| 47 | Fiber length profiling: A novel approach to structural brain organization. <i>NeuroImage</i> , 2019, 186, 164-173. | 4.2 | 35 |
| 48 | Decoding the microstructural correlate of diffusion MRI. <i>NMR in Biomedicine</i> , 2019, 32, e3779. | 2.8 | 23 |
| 49 | Evaluation of non-negative matrix factorization of grey matter in age prediction. <i>NeuroImage</i> , 2018, 173, 394-410. | 4.2 | 99 |
| 50 | Cytoarchitecture, probability maps, and functions of the human supplementary and pre-supplementary motor areas. <i>Brain Structure and Function</i> , 2018, 223, 4169-4186. | 2.3 | 74 |
| 51 | Neural correlates of action: Comparing meta-analyses of imagery, observation, and execution. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 94, 31-44. | 6.1 | 440 |
| 52 | 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. | 1.8 | 34 |
| 53 | The Right Dorsal Premotor Mosaic: Organization, Functions, and Connectivity. <i>Cerebral Cortex</i> , 2017, 27, bhw065. | 2.9 | 66 |
| 54 | 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. | 2.3 | 50 |

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|----|--|-----|-----------|
| 55 | 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. | 2.4 | 53 |
| 56 | Cross-cultural consistency and diversity in intrinsic functional organization of Broca's Region. <i>NeuroImage</i> , 2017, 150, 177-190. | 4.2 | 20 |
| 57 | 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. | 4.2 | 18 |
| 58 | 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. | 3.6 | 35 |
| 59 | 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. | 2.8 | 34 |
| 60 | On the Neuroanatomy and Functional Role of the Inferior Parietal Lobule and Intraparietal Sulcus. , 2016,, 35-47. | | 18 |
| 61 | 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. | 6.2 | 17 |
| 62 | Differential Patterns of Dysconnectivity in Mirror Neuron and Mentalizing Networks in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 1135-1148. | 4.3 | 51 |
| 63 | ANIMA: A data-sharing initiative for neuroimaging meta-analyses. <i>NeuroImage</i> , 2016, 124, 1245-1253. | 4.2 | 37 |
| 64 | Whole-Body MR Imaging in the German National Cohort: Rationale, Design, and Technical Background. <i>Radiology</i> , 2015, 277, 206-220. | 7.3 | 137 |
| 65 | Robust brain parcellation using sparse representation on resting-state fMRI. <i>Brain Structure and Function</i> , 2015, 220, 3565-3579. | 2.3 | 27 |
| 66 | Target sites for transcallosal fibers in human visual cortex – A combined diffusion and polarized light imaging study. <i>Cortex</i> , 2015, 72, 40-53. | 2.4 | 37 |
| 67 | 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. | 2.3 | 42 |
| 68 | 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. | 2.3 | 43 |
| 69 | Aging and response conflict solution: behavioural and functional connectivity changes. <i>Brain Structure and Function</i> , 2015, 220, 1739-1757. | 2.3 | 27 |
| 70 | 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. | 3.4 | 97 |
| 71 | 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. | 3.4 | 27 |
| 72 | The role of anterior midcingulate cortex in cognitive motor control. <i>Human Brain Mapping</i> , 2014, 35, 2741-2753. | 3.6 | 136 |

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|----|---|-----|-----------|
| 73 | Activation shift in elderly subjects across functional systems: an fMRI study. Brain Structure and Function, 2014, 219, 707-718. | 2.3 | 20 |
| 74 | Longitudinal changes in brains of patients with fluent primary progressive aphasia. Brain and Language, 2014, 131, 11-19. | 1.6 | 13 |
| 75 | Leadership and adult development: Towards a unified neuro-psycho-economic approach.. Behavioral Development Bulletin, 2014, 19, 83-90. | 0.5 | 0 |
| 76 | Neuropsychological and Brain Volume Differences in Patients with Left- and Right-Beginning Corticobasal Syndrome. PLoS ONE, 2014, 9, e110326. | 2.5 | 10 |
| 77 | Differentiated parietal connectivity of frontal regions for "what" and "where" memory. Brain Structure and Function, 2013, 218, 1551-1567. | 2.3 | 86 |
| 78 | Task- and resting-state functional connectivity of brain regions related to affection and susceptible to concurrent cognitive demand. NeuroImage, 2013, 72, 69-82. | 4.2 | 19 |
| 79 | Microstructural grey matter parcellation and its relevance for connectome analyses. NeuroImage, 2013, 80, 18-26. | 4.2 | 40 |
| 80 | Characterization of the temporo-parietal junction by combining data-driven parcellation, complementary connectivity analyses, and functional decoding. NeuroImage, 2013, 81, 381-392. | 4.2 | 250 |
| 81 | Organization of the Human Inferior Parietal Lobule Based on Receptor Architectonics. Cerebral Cortex, 2013, 23, 615-628. | 2.9 | 192 |
| 82 | Is There "One" DLPFC in Cognitive Action Control? Evidence for Heterogeneity From Co-Activation-Based Parcellation. Cerebral Cortex, 2013, 23, 2677-2689. | 2.9 | 350 |
| 83 | Adult age-dependent differences in resting-state connectivity within and between visual-attention and sensorimotor networks. Frontiers in Aging Neuroscience, 2013, 5, 67. | 3.4 | 41 |
| 84 | Tool zur integrierten Analyse von Struktur, Funktion und Konnektivität: SPM Anatomy Toolbox. , 2013, , 779-797. | | 0 |
| 85 | Meta-analytical definition and functional connectivity of the human vestibular cortex. NeuroImage, 2012, 60, 162-169. | 4.2 | 352 |
| 86 | Across-study and within-subject functional connectivity of a right temporo-parietal junction subregion involved in stimulus" context integration. NeuroImage, 2012, 60, 2389-2398. | 4.2 | 98 |
| 87 | Dissociated Neural Processing for Decisions in Managers and Non-Managers. PLoS ONE, 2012, 7, e43537. | 2.5 | 9 |
| 88 | Posterior Parietal Cortex. , 2012, , 1036-1055. | | 20 |
| 89 | Co-activation patterns distinguish cortical modules, their connectivity and functional differentiation. NeuroImage, 2011, 57, 938-949. | 4.2 | 449 |
| 90 | Probabilistic fibre tract analysis of cytoarchitectonically defined human inferior parietal lobule areas reveals similarities to macaques. NeuroImage, 2011, 58, 362-380. | 4.2 | 216 |

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|----|--|-----|-----------|
| 91 | Moral Concepts Set Decision Strategies to Abstract Values. PLoS ONE, 2011, 6, e18451. | 2.5 | 18 |
| 92 | ALE meta-analysis on facial judgments of trustworthiness and attractiveness. Brain Structure and Function, 2011, 215, 209-223. | 2.3 | 146 |
| 93 | Evaluating a visualization of uncertainty in probabilistic tractography. , 2010, , . | | 6 |
| 94 | Anatomical and Functional Connectivity of Cytoarchitectonic Areas within the Human Parietal Operculum. Journal of Neuroscience, 2010, 30, 6409-6421. | 3.6 | 324 |
| 95 | ALE meta-analysis of action observation and imitation in the human brain. NeuroImage, 2010, 50, 1148-1167. | 4.2 | 1,168 |
| 96 | The human inferior parietal lobule in stereotaxic space. Brain Structure and Function, 2008, 212, 481-495. | 2.3 | 355 |
| 97 | Assignment of functional activations to probabilistic cytoarchitectonic areas revisited. NeuroImage, 2007, 36, 511-521. | 4.2 | 881 |
| 98 | The human inferior parietal cortex: Cytoarchitectonic parcellation and interindividual variability. NeuroImage, 2006, 33, 430-448. | 4.2 | 570 |