

# Christoph P Kaller

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

3,030  
citations

147726

31  
h-index

189801

50  
g-index

88  
all docs

88  
docs citations

88  
times ranked

4393  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | “Within a minute” detection of focal cortical dysplasia. <i>Neuroradiology</i> , 2022, 64, 715-726.   | 1.1 | 6         |
| 2  | Fully automated detection of focal cortical dysplasia: Comparison of MPRAGE and MP2RAGE sequences. <i>Epilepsia</i> , 2022, 63, 75-85.  | 2.6 | 7         |
| 3  | Robust intra-individual estimation of structural connectivity by Principal Component Analysis. <i>NeuroImage</i> , 2021, 226, 117483.   | 2.1 | 1         |
| 4  | The rostro-caudal gradient in the prefrontal cortex and its modulation by subthalamic deep brain stimulation in Parkinson’s disease. <i>Scientific Reports</i> , 2021, 11, 2138.  | 1.6 | 2         |
| 5  | Interaction between cognitive reserve and age moderates effect of lesion load on stroke outcome. <i>Scientific Reports</i> , 2021, 11, 4478.  | 1.6 | 20        |
| 6  | SPECTRE – A novel dMRI visualization technique for the display of cerebral connectivity. <i>Human Brain Mapping</i> , 2021, 42, 2309-2321.  | 1.9 | 3         |
| 7  | The extreme capsule and aphasia: proof-of-concept of a new way relating structure to neurological symptoms. <i>Brain Communications</i> , 2021, 3, fcab040.   | 1.5 | 5         |
| 8  | A detailed analysis of anatomical plausibility of crossed and uncrossed streamline rendition of the dentato-rubro-thalamic tract (DRT(T)) in a commercial stereotactic planning system. <i>Acta Neurochirurgica</i> , 2021, 163, 2809-2824.     | 0.9 | 5         |
| 9  | Hippocampus-Avoidance Whole-Brain Radiation Therapy Is Efficient in the Long-Term Preservation of Hippocampal Volume. <i>Frontiers in Oncology</i> , 2021, 11, 714709.  | 1.3 | 11        |
| 10 | Anatomical correlates of recovery in apraxia: A longitudinal lesion-mapping study in stroke patients. <i>Cortex</i> , 2021, 142, 104-121.   | 1.1 | 8         |
| 11 | Hemodynamics of cerebral veins analyzed by 2d and 4d flow mri and ultrasound in healthy volunteers and patients with multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 205-217.                                      | 1.9 | 10        |
| 12 | Psychometric analyses of the Tower of London planning task reveal high reliability and feasibility in typically developing children and child patients with ASD and ADHD. <i>Child Neuropsychology</i> , 2020, 26, 257-273.                     | 0.8 | 6         |
| 13 | The correlation between apraxia and neglect in the right hemisphere: A voxel-based lesion-symptom mapping study in 138 acute stroke patients. <i>Cortex</i> , 2020, 132, 166-179.   | 1.1 | 11        |
| 14 | Accuracy and practical aspects of semi- and fully automatic segmentation methods for resected brain areas. <i>Neuroradiology</i> , 2020, 62, 1637-1648.   | 1.1 | 9         |
| 15 | Morphometric MRI Analysis: Improved Detection of Focal Cortical Dysplasia Using the MP2RAGE Sequence. <i>American Journal of Neuroradiology</i> , 2020, 41, 1009-1014.  | 1.2 | 19        |
| 16 | Dissociation of visual extinction and neglect in the left hemisphere. <i>Cortex</i> , 2020, 129, 211-222.   | 1.1 | 7         |
| 17 | Tractographic description of major subcortical projection pathways passing the anterior limb of the internal capsule. Corticopetal organization of networks relevant for psychiatric disorders. <i>NeuroImage: Clinical</i> , 2020, 25, 102165. | 1.4 | 52        |
| 18 | Dynamics of language reorganization after left temporo-parietal and frontal stroke. <i>Brain</i> , 2020, 143, 844-861.  | 3.7 | 102       |

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|----|---|-----|-----------|
| 19 | Frontal white matter architecture predicts efficacy of deep brain stimulation in major depression. <i>Translational Psychiatry</i> , 2019, 9, 197.  | 2.4 | 32        |
| 20 | Cognitive reserve impacts on disability and cognitive deficits in acute stroke. <i>Journal of Neurology</i> , 2019, 266, 2495-2504.   | 1.8 | 51        |
| 21 | The impact of physiological noise on hemodynamic-derived estimates of directed functional connectivity. <i>Brain Structure and Function</i> , 2019, 224, 3145-3157.   | 1.2 | 4         |
| 22 | Modulation of creativity by transcranial direct current stimulation. <i>Brain Stimulation</i> , 2019, 12, 1213-1221.  | 0.7 | 39        |
| 23 | Neural correlates of acute apraxia: Evidence from lesion data and functional MRI in stroke patients. <i>Cortex</i> , 2019, 120, 1-21.   | 1.1 | 8         |
| 24 | Dissociating frontal and temporal correlates of phonological and semantic fluency in a large sample of left hemisphere stroke patients. <i>NeuroImage: Clinical</i> , 2019, 23, 101840.   | 1.4 | 43        |
| 25 | Dissociation among preserved resistance to proactive interference and impaired behavioral inhibition in a patient with bilateral lesions in the inferior frontal gyrus: A single-case study. <i>Cortex</i> , 2019, 119, 111-127.                                      | 1.1 | 3         |
| 26 | Assessing Planning Ability Across the Adult Life Span in a Large Population-Representative Sample: Reliability Estimates and Normative Data for the Tower of London (TOL-F) Task. <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 520-529. | 1.2 | 11        |
| 27 | Probing the reproducibility of quantitative estimates of structural connectivity derived from global tractography. <i>NeuroImage</i> , 2018, 175, 215-229.  | 2.1 | 35        |
| 28 | Cross-sectional and longitudinal voxel-based grey matter asymmetries in Huntington's disease. <i>NeuroImage: Clinical</i> , 2018, 17, 312-324.  | 1.4 | 23        |
| 29 | The anatomy of the human medial forebrain bundle: Ventral tegmental area connections to reward-associated subcortical and frontal lobe regions. <i>NeuroImage: Clinical</i> , 2018, 18, 770-783.  | 1.4 | 93        |
| 30 | T2* Relaxometry in Patients with Parkinson's Disease. <i>Clinical Neuroradiology</i> , 2018, 28, 63-67.   | 1.0 | 6         |
| 31 | Distinct Contributions of Dorsal and Ventral Streams to Imitation of Tool-Use and Communicative Gestures. <i>Cerebral Cortex</i> , 2018, 28, 474-492.   | 1.6 | 42        |
| 32 | Real-world navigation in amnesic mild cognitive impairment: The relation to visuospatial memory and volume of hippocampal subregions. <i>Neuropsychologia</i> , 2018, 109, 86-94.   | 0.7 | 21        |
| 33 | Inferior Frontal Gyrus Volume Loss Distinguishes Between Autism and (Comorbid) Attention-Deficit/Hyperactivity Disorder – A FreeSurfer Analysis in Children. <i>Frontiers in Psychiatry</i> , 2018, 9, 521.   | 1.3 | 17        |
| 34 | Large Vessel Occlusion in Acute Stroke. <i>Stroke</i> , 2018, 49, 2323-2329.  | 1.0 | 61        |
| 35 | Brain Aging and APOE $\epsilon$ 4 Interact to Reveal Potential Neuronal Compensation in Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 74.  | 1.7 | 24        |
| 36 | Data on the test-retest reproducibility of streamline counts as a measure of structural connectivity. <i>Data in Brief</i> , 2018, 19, 1361-1381.   | 0.5 | 3         |

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|----|--|-----|-----------|
| 37 | APOE moderates compensatory recruitment of neuronal resources during working memory processing in healthy older adults. <i>Neurobiology of Aging</i> , 2017, 56, 127-137.  | 1.5 | 20        |
| 38 | Distinct white matter alterations following severe stroke. <i>Neurology</i> , 2017, 88, 1546-1555.   | 1.5 | 40        |
| 39 | Are semantic and phonological fluency based on the same or distinct sets of cognitive processes? Insights from factor analyses in healthy adults and stroke patients. <i>Neuropsychologia</i> , 2017, 99, 148-155.       | 0.7 | 35        |
| 40 | Gray matter asymmetries in aging and neurodegeneration: A review and meta-analysis. <i>Human Brain Mapping</i> , 2017, 38, 5890-5904.  | 1.9 | 132       |
| 41 | A Meta-analysis on the neural basis of planning: Activation likelihood estimation of functional brain imaging results in the Tower of London task. <i>Human Brain Mapping</i> , 2017, 38, 396-413.                       | 1.9 | 54        |
| 42 | Visual neglect after left-hemispheric lesions: a voxel-based lesion-symptom mapping study in 121 acute stroke patients. <i>Experimental Brain Research</i> , 2017, 235, 83-95.   | 0.7 | 38        |
| 43 | Biological Factors Contributing to the Response to Cognitive Training in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 333-345.   | 1.2 | 13        |
| 44 | Assessing Planning Ability Across the Adult Life Span: Population-Representative and Age-Adjusted Reliability Estimates for the Tower of London (TOL-F). <i>Archives of Clinical Neuropsychology</i> , 2016, 31, acv088. | 0.3 | 27        |
| 45 | Contribution of the Cholinergic System to Verbal Memory Performance in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 991-1001.  | 1.2 | 26        |
| 46 | Predictors and signatures of recovery from neglect in acute stroke. <i>Annals of Neurology</i> , 2016, 79, 673-686.  | 2.8 | 55        |
| 47 | Training of resistance to proactive interference and working memory in older adults: a randomized double-blind study. <i>International Psychogeriatrics</i> , 2016, 28, 453-467.   | 0.6 | 10        |
| 48 | Analyses of Rule Breaks and Errors During Planning in Computerized Tower Tasks: Insights From Neurological Patients. <i>Archives of Clinical Neuropsychology</i> , 2016, 31, 738-753.                                    | 0.3 | 7         |
| 49 | Category and design fluency in mild cognitive impairment: Performance, strategy use, and neural correlates. <i>Neuropsychologia</i> , 2016, 93, 21-29.   | 0.7 | 29        |
| 50 | Assessment of planning ability: Psychometric analyses on the unidimensionality and construct validity of the Tower of London Task (TOL-F).. <i>Neuropsychology</i> , 2016, 30, 346-360.                                  | 1.0 | 13        |
| 51 | Componential Network for the Recognition of Tool-Associated Actions: Evidence from Voxel-based Lesion-Symptom Mapping in Acute Stroke Patients. <i>Cerebral Cortex</i> , 2016, 27, 4139-4152.                            | 1.6 | 13        |
| 52 | Large-scale brain network abnormalities in Huntington's disease revealed by structural covariance. <i>Human Brain Mapping</i> , 2016, 37, 67-80.   | 1.9 | 15        |
| 53 | Development of Planning in Children with High-Functioning Autism Spectrum Disorders and/or Attention Deficit/Hyperactivity Disorder. <i>Autism Research</i> , 2016, 9, 739-751.  | 2.1 | 20        |
| 54 | Planning Decrements in Healthy Aging: Mediation Effects of Fluid Reasoning and Working Memory Capacity. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2016, 71, 230-242.        | 2.4 | 10        |

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|----|--|-----|-----------|
| 55 | Brain activity underlying tool-related and imitative skills after major left hemisphere stroke. <i>Brain</i> , 2016, 139, 1497-1516.   | 3.7 | 38        |
| 56 | Age differences in behavioral and neural correlates of proactive interference: Disentangling the role of overall working memory performance. <i>NeuroImage</i> , 2016, 127, 376-386.   | 2.1 | 8         |
| 57 | Differential Roles of Ventral and Dorsal Streams for Conceptual and Production-Related Components of Tool Use in Acute Stroke Patients. <i>Cerebral Cortex</i> , 2016, 26, 3754-3771.  | 1.6 | 59        |
| 58 | Test-retest reliability of the Tower of London Planning Task (TOL-F).. <i>Psychological Assessment</i> , 2015, 27, 925-931.  | 1.2 | 32        |
| 59 | Detection of Motor Changes in Huntington's Disease Using Dynamic Causal Modeling. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 634.   | 1.0 | 8         |
| 60 | The ventral fiber pathway for pantomime of object use. <i>NeuroImage</i> , 2015, 106, 252-263.   | 2.1 | 70        |
| 61 | Predicting Planning Performance from Structural Connectivity Between Left and Right Mid-Dorsolateral Prefrontal Cortex: Moderating Effects of Age During Postadolescence and Midadulthood. <i>Cerebral Cortex</i> , 2015, 25, 869-883. | 1.6 | 20        |
| 62 | Assessment of planning performance in clinical samples: Reliability and validity of the Tower of London task (TOL-F). <i>Neuropsychologia</i> , 2015, 75, 646-655.   | 0.7 | 28        |
| 63 | Processing of bilateral versus unilateral conditions: Evidence for the functional contribution of the ventral attention network. <i>Cortex</i> , 2015, 66, 91-102.   | 1.1 | 17        |
| 64 | Looking ahead from age 6 to 13: A deeper insight into the development of planning ability. <i>British Journal of Psychology</i> , 2015, 106, 46-67.  | 1.2 | 14        |
| 65 | Spatial mapping of dynamic cerebral autoregulation by multichannel near-infrared spectroscopy in high-grade carotid artery disease. <i>Journal of Biomedical Optics</i> , 2014, 19, 097005.  | 1.4 | 23        |
| 66 | Neural bases of imitation and pantomime in acute stroke patients: distinct streams for praxis. <i>Brain</i> , 2014, 137, 2796-2810.  | 3.7 | 130       |
| 67 | Transcranial direct current stimulation over left and right DLPFC: Lateralized effects on planning performance and related eye movements. <i>Biological Psychology</i> , 2014, 102, 130-140.   | 1.1 | 29        |
| 68 | Working Memory in Schizophrenia: Behavioral and Neural Evidence for Reduced Susceptibility to Item-Specific Proactive Interference. <i>Biological Psychiatry</i> , 2014, 76, 486-494.  | 0.7 | 26        |
| 69 | Development of planning abilities in normal aging: Differential effects of specific cognitive demands.. <i>Developmental Psychology</i> , 2014, 50, 293-303.   | 1.2 | 24        |
| 70 | O3-07-06: LTP-LIKE CORTICAL PLASTICITY IS ASSOCIATED WITH VERBAL LEARNING AND SLEEP QUALITY IN MILD COGNITIVE IMPAIRMENT. , 2014, 10, P223-P223.   |     | 0         |
| 71 | Differential impact of continuous theta-burst stimulation over left and right DLPFC on planning. <i>Human Brain Mapping</i> , 2013, 34, 36-51.   | 1.9 | 36        |
| 72 | Action semantics and movement characteristics engage distinct processing streams during the observation of tool use. <i>Experimental Brain Research</i> , 2013, 229, 243-260.  | 0.7 | 44        |

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|----|---|-----|-----------|
| 73 | Revisiting the Functional Specialization of Left Inferior Frontal Gyus in Phonological and Semantic Fluency: The Crucial Role of Task Demands and Individual Ability. <i>Journal of Neuroscience</i> , 2013, 33, 7837-7845. | 1.7 | 117       |
| 74 | The role of shifting, updating, and inhibition in prospective memory performance in young and older adults.. <i>Developmental Psychology</i> , 2013, 49, 1544-1553.   | 1.2 | 130       |
| 75 | Planning Steps Forward in Development: In Girls Earlier than in Boys. <i>PLoS ONE</i> , 2013, 8, e80772.  | 1.1 | 10        |
| 76 | Linking planning performance and gray matter density in mid-dorsolateral prefrontal cortex: Moderating effects of age and sex. <i>NeuroImage</i> , 2012, 63, 1454-1463.   | 2.1 | 22        |
| 77 | Dissociable stages of problem solving (II): First evidence for process-contingent temporal order of activation in dorsolateral prefrontal cortex. <i>Brain and Cognition</i> , 2012, 80, 170-176.                           | 0.8 | 23        |
| 78 | Dissociable stages of problem solving (I): Temporal characteristics revealed by eye-movement analyses. <i>Brain and Cognition</i> , 2012, 80, 160-169.  | 0.8 | 19        |
| 79 | Assessing planning ability with the Tower of London task: Psychometric properties of a structurally balanced problem set.. <i>Psychological Assessment</i> , 2012, 24, 46-53.   | 1.2 | 62        |
| 80 | Differential Patterns of Planning Impairments in Parkinson's Disease and Sub-Clinical Signs of Dementia? A Latent-Class Model-Based Approach. <i>PLoS ONE</i> , 2012, 7, e38855.  | 1.1 | 14        |
| 81 | Reviewing the impact of problem structure on planning: A software tool for analyzing tower tasks. <i>Behavioural Brain Research</i> , 2011, 216, 1-8.   | 1.2 | 65        |
| 82 | Acute visual neglect and extinction: distinct functional state of the visuospatial attention system. <i>Brain</i> , 2011, 134, 3310-3325.   | 3.7 | 85        |
| 83 | Dissociable Contributions of Left and Right Dorsolateral Prefrontal Cortex in Planning. <i>Cerebral Cortex</i> , 2011, 21, 307-317.   | 1.6 | 177       |
| 84 | Structural Connectivity for Visuospatial Attention: Significance of Ventral Pathways. <i>Cerebral Cortex</i> , 2010, 20, 121-129.   | 1.6 | 155       |
| 85 | Assessing Cognitive Impairment in Parkinson's Disease: A Comparison of Two Tower Tasks. <i>Applied Neuropsychology</i> , 2009, 16, 177-185.   | 1.5 | 12        |
| 86 | Eye movements and visuospatial problem solving: Identifying separable phases of complex cognition. <i>Psychophysiology</i> , 2009, 46, 818-830.   | 1.2 | 38        |
| 87 | Thinking around the corner: The development of planning abilities. <i>Brain and Cognition</i> , 2008, 67, 360-370.  | 0.8 | 64        |
| 88 | The impact of problem structure on planning: insights from the Tower of London task. <i>Cognitive Brain Research</i> , 2004, 20, 462-472.   | 3.3 | 74        |