Christoph P Kaller

List of Publications by Year
in descending order

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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	Dissociable Contributions of Left and Right Dorsolateral Prefrontal Cortex in Planning. Cerebral Cortex, 2011, 21, 307-317.	1.6	177
2	Structural Connectivity for Visuospatial Attention: Significance of Ventral Pathways. Cerebral Cortex, 2010, 20, 121-129.	1.6	155
3	Gray matter asymmetries in aging and neurodegeneration: A review and metaâ€analysis. Human Brain Mapping, 2017, 38, 5890-5904.	1.9	132
4	The role of shifting, updating, and inhibition in prospective memory performance in young and older adults.. Developmental Psychology, 2013, 49, 1544-1553.	1.2	130
5	Neural bases of imitation and pantomime in acute stroke patients: distinct streams for praxis. Brain, 2014, 137, 2796-2810.	3.7	130
6	Revisiting the Functional Specialization of Left Inferior Frontal Gyrus in Phonological and Semantic Fluency: The Crucial Role of Task Demands and Individual Ability. Journal of Neuroscience, 2013, 33, 7837-7845.	1.7	117
7	Dynamics of language reorganization after left temporo-parietal and frontal stroke. Brain, 2020, 143, 844-861.	3.7	102
8	The anatomy of the human medial forebrain bundle: Ventral tegmental area connections to reward-associated subcortical and frontal lobe regions. NeuroImage: Clinical, 2018, 18, 770-783.	1.4	93
9	Acute visual neglect and extinction: distinct functional state of the visuospatial attention system. Brain, 2011, 134, 3310-3325.	3.7	85
10	The impact of problem structure on planning: insights from the Tower of London task. Cognitive Brain Research, 2004, 20, 462-472.	3.3	74
11	The ventral fiber pathway for pantomime of object use. NeuroImage, 2015, 106, 252-263.	2.1	70
12	Reviewing the impact of problem structure on planning: A software tool for analyzing tower tasks. Behavioural Brain Research, 2011, 216, 1-8.	1.2	65
13	Thinking around the corner: The development of planning abilities. Brain and Cognition, 2008, 67, 360-370.	0.8	64
14	Assessing planning ability with the Tower of London task: Psychometric properties of a structurally balanced problem set.. Psychological Assessment, 2012, 24, 46-53.	1.2	62
15	Large Vessel Occlusion in Acute Stroke. Stroke, 2018, 49, 2323-2329.	1.0	61
16	Differential Roles of Ventral and Dorsal Streams for Conceptual and Production-Related Components of Tool Use in Acute Stroke Patients. Cerebral Cortex, 2016, 26, 3754-3771.	1.6	59
17	Predictors and signatures of recovery from neglect in acute stroke. Annals of Neurology, 2016, 79, 673-686.	2.8	55
18	A Metaâ€analysis on the neural basis of planning: Activation likelihood estimation of functional brain imaging results in the Tower of London task. Human Brain Mapping, 2017, 38, 396-413.	1.9	54

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19	Tractographic description of major subcortical projection pathways passing the anterior limb of the internal capsule. Corticopetal organization of networks relevant for psychiatric disorders. NeuroImage: Clinical, 2020, 25, 102165.	1.4	52
20	Cognitive reserve impacts on disability and cognitive deficits in acute stroke. Journal of Neurology, 2019, 266, 2495-2504.	1.8	51
21	Action semantics and movement characteristics engage distinct processing streams during the observation of tool use. Experimental Brain Research, 2013, 229, 243-260.	0.7	44
22	Dissociating frontal and temporal correlates of phonological and semantic fluency in a large sample of left hemisphere stroke patients. NeuroImage: Clinical, 2019, 23, 101840.	1.4	43
23	Distinct Contributions of Dorsal and Ventral Streams to Imitation of Tool-Use and Communicative Gestures. Cerebral Cortex, 2018, 28, 474-492.	1.6	42
24	Distinct white matter alterations following severe stroke. Neurology, 2017, 88, 1546-1555.	1.5	40
25	Modulation of creativity by transcranial direct current stimulation. Brain Stimulation, 2019, 12, 1213-1221.	0.7	39
26	Eye movements and visuospatial problem solving: Identifying separable phases of complex cognition. Psychophysiology, 2009, 46, 818-830.	1.2	38
27	Brain activity underlying tool-related and imitative skills after major left hemisphere stroke. Brain, 2016, 139, 1497-1516.	3.7	38
28	Visual neglect after left-hemispheric lesions: a voxel-based lesionâ€“symptom mapping study in 121 acute stroke patients. Experimental Brain Research, 2017, 235, 83-95.	0.7	38
29	Differential impact of continuous thetaâ€burst stimulation over left and right DLPFC on planning. Human Brain Mapping, 2013, 34, 36-51.	1.9	36
30	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. Neuropsychologia, 2017, 99, 148-155.	0.7	35
31	Probing the reproducibility of quantitative estimates of structural connectivity derived from global tractography. NeuroImage, 2018, 175, 215-229.	2.1	35
32	Testâ€“retest reliability of the Tower of London Planning Task (TOL-F).. Psychological Assessment, 2015, 27, 925-931.	1.2	32
33	Frontal white matter architecture predicts efficacy of deep brain stimulation in major depression. Translational Psychiatry, 2019, 9, 197.	2.4	32
34	Transcranial direct current stimulation over left and right DLPFC: Lateralized effects on planning performance and related eye movements. Biological Psychology, 2014, 102, 130-140.	1.1	29
35	Category and design fluency in mild cognitive impairment: Performance, strategy use, and neural correlates. Neuropsychologia, 2016, 93, 21-29.	0.7	29
36	Assessment of planning performance in clinical samples: Reliability and validity of the Tower of London task (TOL-F). Neuropsychologia, 2015, 75, 646-655.	0.7	28

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37	Assessing Planning Ability Across the Adult Life Span: Population-Representative and Age-Adjusted Reliability Estimates for the Tower of London (TOL-F). Archives of Clinical Neuropsychology, 2016, 31, acv088.	0.3	27
38	Working Memory in Schizophrenia: Behavioral and Neural Evidence for Reduced Susceptibility to Item-Specific Proactive Interference. Biological Psychiatry, 2014, 76, 486-494.	0.7	26
39	Contribution of the Cholinergic System toÂVerbal Memory Performance in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2016, 53, 991-1001.	1.2	26
40	Development of planning abilities in normal aging: Differential effects of specific cognitive demands.. Developmental Psychology, 2014, 50, 293-303.	1.2	24
41	Brain Aging and APOE Îµ4 Interact to Reveal Potential Neuronal Compensation in Healthy Older Adults. Frontiers in Aging Neuroscience, 2018, 10, 74.	1.7	24
42	Dissociable stages of problem solving (II): First evidence for process-contingent temporal order of activation in dorsolateral prefrontal cortex. Brain and Cognition, 2012, 80, 170-176.	0.8	23
43	Spatial mapping of dynamic cerebral autoregulation by multichannel near-infrared spectroscopy in high-grade carotid artery disease. Journal of Biomedical Optics, 2014, 19, 097005.	1.4	23
44	Cross-sectional and longitudinal voxel-based grey matter asymmetries in Huntington's disease. NeuroImage: Clinical, 2018, 17, 312-324.	1.4	23
45	Linking planning performance and gray matter density in mid-dorsolateral prefrontal cortex: Moderating effects of age and sex. NeuroImage, 2012, 63, 1454-1463.	2.1	22
46	Real-world navigation in amnestic mild cognitive impairment: The relation to visuospatial memory and volume of hippocampal subregions. Neuropsychologia, 2018, 109, 86-94.	0.7	21
47	Predicting Planning Performance from Structural Connectivity Between Left and Right Mid-Dorsolateral Prefrontal Cortex: Moderating Effects of Age During Postadolescence and Midadulthood. Cerebral Cortex, 2015, 25, 869-883.	1.6	20
48	Development of Planning in Children with Highâ€Functioning Autism Spectrum Disorders and/or Attention Deficit/Hyperactivity Disorder. Autism Research, 2016, 9, 739-751.	2.1	20
49	APOE moderates compensatory recruitment of neuronal resources during working memory processing in healthy older adults. Neurobiology of Aging, 2017, 56, 127-137.	1.5	20
50	Interaction between cognitive reserve and age moderates effect of lesion load on stroke outcome. Scientific Reports, 2021, 11, 4478.	1.6	20
51	Dissociable stages of problem solving (I): Temporal characteristics revealed by eye-movement analyses. Brain and Cognition, 2012, 80, 160-169.	0.8	19
52	Morphometric MRI Analysis: Improved Detection of Focal Cortical Dysplasia Using the MP2RAGE Sequence. American Journal of Neuroradiology, 2020, 41, 1009-1014.	1.2	19
53	Processing of bilateral versus unilateral conditions: Evidence for the functional contribution of the ventral attention network. Cortex, 2015, 66, 91-102.	1.1	17
54	Inferior Frontal Gyrus Volume Loss Distinguishes Between Autism and (Comorbid) Attention-Deficit/Hyperactivity Disorderâ€"A FreeSurfer Analysis in Children. Frontiers in Psychiatry, 2018, 9, 521.	1.3	17

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55	Large-scale brain network abnormalities in Huntington's disease revealed by structural covariance. Human Brain Mapping, 2016, 37, 67-80.	1.9	15
56	Differential Patterns of Planning Impairments in Parkinson's Disease and Sub-Clinical Signs of Dementia? A Latent-Class Model-Based Approach. PLoS ONE, 2012, 7, e38855.	1.1	14
57	Looking ahead from age 6 to 13: A deeper insight into the development of planning ability. British Journal of Psychology, 2015, 106, 46-67.	1.2	14
58	Assessment of planning ability: Psychometric analyses on the unidimensionality and construct validity of the Tower of London Task (TOL-F).. Neuropsychology, 2016, 30, 346-360.	1.0	13
59	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.	1.6	13
60	Biological Factors Contributing to the Response to Cognitive Training in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2017, 61, 333-345.	1.2	13
61	Assessing Cognitive Impairment in Parkinson's Disease: A Comparison of Two Tower Tasks. Applied Neuropsychology, 2009, 16, 177-185.	1.5	12
62	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. Journal of the International Neuropsychological Society, 2019, 25, 520-529.	1.2	11
63	The correlation between apraxia and neglect in the right hemisphere: A voxel-based lesion-symptom mapping study in 138 acute stroke patients. Cortex, 2020, 132, 166-179.	1.1	11
64	Hippocampus-Avoidance Whole-Brain Radiation Therapy Is Efficient in the Long-Term Preservation of Hippocampal Volume. Frontiers in Oncology, 2021, 11, 714709.	1.3	11
65	Planning Steps Forward in Development: In Girls Earlier than in Boys. PLoS ONE, 2013, 8, e80772.	1.1	10
66	Training of resistance to proactive interference and working memory in older adults: a randomized double-blind study. International Psychogeriatrics, 2016, 28, 453-467.	0.6	10
67	Planning Decrements in Healthy Aging: Mediation Effects of Fluid Reasoning and Working Memory Capacity. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2016, 71, 230-242.	2.4	10
68	Hemodynamics of cerebral veins analyzed by 2d and 4d flow mri and ultrasound in healthy volunteers and patients with multiple sclerosis. Journal of Magnetic Resonance Imaging, 2020, 51, 205-217.	1.9	10
69	Accuracy and practical aspects of semi- and fully automatic segmentation methods for resected brain areas. Neuroradiology, 2020, 62, 1637-1648.	1.1	9
70	Detection of Motor Changes in Huntington's Disease Using Dynamic Causal Modeling. Frontiers in Human Neuroscience, 2015, 9, 634.	1.0	8
71	Age differences in behavioral and neural correlates of proactive interference: Disentangling the role of overall working memory performance. NeuroImage, 2016, 127, 376-386.	2.1	8
72	Neural correlates of acute apraxia: Evidence from lesion data and functional MRI in stroke patients. Cortex, 2019, 120, 1-21.	1.1	8

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73	Anatomical correlates of recovery in apraxia: A longitudinal lesion-mapping study in stroke patients. Cortex, 2021, 142, 104-121.	1.1	8
74	Analyses of Rule Breaks and Errors During Planning in Computerized Tower Tasks: Insights From Neurological Patients. Archives of Clinical Neuropsychology, 2016, 31, 738-753.	0.3	7
75	Dissociation of visual extinction and neglect in the left hemisphere. Cortex, 2020, 129, 211-222.	1.1	7
76	Fully automated detection of focal cortical dysplasia: Comparison of MPRAGE and MP2RAGE sequences. Epilepsia, 2022, 63, 75-85.	2.6	7
77	T2* Relaxometry in Patients with Parkinsonâ€™s Disease. Clinical Neuroradiology, 2018, 28, 63-67.	1.0	6
78	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. Child Neuropsychology, 2020, 26, 257-273.	0.8	6
79	â€œWithin a minuteâ€•detection of focal cortical dysplasia. Neuroradiology, 2022, 64, 715-726.	1.1	6
80	The extreme capsule and aphasia: proof-of-concept of a new way relating structure to neurological symptoms. Brain Communications, 2021, 3, fcab040.	1.5	5
81	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. Acta Neurochirurgica, 2021, 163, 2809-2824.	0.9	5
82	The impact of physiological noise on hemodynamic-derived estimates of directed functional connectivity. Brain Structure and Function, 2019, 224, 3145-3157.	1.2	4
83	Data on the test-retest reproducibility of streamline counts as a measure of structural connectivity. Data in Brief, 2018, 19, 1361-1381.	0.5	3
84	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. Cortex, 2019, 119, 111-127.	1.1	3
85	SPECTRE â€”A novel dMRI visualization technique for the display of cerebral connectivity. Human Brain Mapping, 2021, 42, 2309-2321.	1.9	3
86	The rostro-caudal gradient in the prefrontal cortex and its modulation by subthalamic deep brain stimulation in Parkinsonâ€™s disease. Scientific Reports, 2021, 11, 2138.	1.6	2
87	Robust intra-individual estimation of structural connectivity by Principal Component Analysis. NeuroImage, 2021, 226, 117483.	2.1	1
88	O3-07-06: LTP-LIKE CORTICAL PLASTICITY IS ASSOCIATED WITH VERBAL LEARNING AND SLEEP QUALITY IN MILD COGNITIVE IMPAIRMENT. , 2014, 10, P223-P223.		0