

Christian G Habeck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2376219/publications.pdf>

Version: 2024-02-01

106
papers

5,198
citations

94433

37
h-index

102487

66
g-index

115
all docs

115
docs citations

115
times ranked

7124
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-awareness for financial decision making abilities is linked to right temporal cortical thickness in older adults. <i>Brain Imaging and Behavior</i> , 2022, 16, 1139-1147.	2.1	5
2	Prevalence Estimates of Amyloid Abnormality Across the Alzheimer Disease Clinical Spectrum. <i>JAMA Neurology</i> , 2022, 79, 228.	9.0	97
3	Effects of white matter hyperintensities distribution and clustering on late-life cognitive impairment. <i>Scientific Reports</i> , 2022, 12, 1955.	3.3	7
4	Transfer learning for cognitive reserve quantification. <i>NeuroImage</i> , 2022, 258, 119353.	4.2	2
5	Classifying multiple sclerosis patients on the basis of SDMT performance using machine learning. <i>Multiple Sclerosis Journal</i> , 2021, 27, 107-116.	3.0	19
6	Task-based functional connectivity in aging: How task and connectivity methodology affect discovery of age effects. <i>Brain and Behavior</i> , 2021, 11, e01954.	2.2	15
7	Reference Ability Neural Network-selective functional connectivity across the lifespan. <i>Human Brain Mapping</i> , 2021, 42, 644-659.	3.6	1
8	Distinct cortical thickness patterns link disparate cerebral cortex regions to select mobility domains. <i>Scientific Reports</i> , 2021, 11, 6600.	3.3	11
9	Segregation of functional networks is associated with cognitive resilience in Alzheimer's disease. <i>Brain</i> , 2021, 144, 2176-2185.	7.6	66
10	Predictive utility of task-related functional connectivity vs. voxel activation. <i>PLoS ONE</i> , 2021, 16, e0249947.	2.5	1
11	A framework for identification of a resting-bold connectome associated with cognitive reserve. <i>NeuroImage</i> , 2021, 232, 117875.	4.2	16
12	Age-related disintegration in functional connectivity: Evidence from Reference Ability Neural Network (RANN) cohort. <i>Neuropsychologia</i> , 2021, 156, 107856.	1.6	2
13	Quantifying Age-Related Changes in Brain and Behavior: A Longitudinal versus Cross-Sectional Approach. <i>ENeuro</i> , 2021, 8, ENEURO.0273-21.2021.	1.9	3
14	Detecting biological heterogeneity patterns in ADNI amnesic mild cognitive impairment based on volumetric MRI. <i>Brain Imaging and Behavior</i> , 2020, 14, 1792-1804.	2.1	24
15	Predicting Amyloid- β^2 Levels in Amnesic Mild Cognitive Impairment Using Machine Learning Techniques. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1211-1219.	2.6	27
16	Benfotiamine and Cognitive Decline in Alzheimer's Disease: Results of a Randomized Placebo-Controlled Phase IIa Clinical Trial. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 989-1010.	2.6	52
17	Cortical thickness and its associations with age, total cognition and education across the adult lifespan. <i>PLoS ONE</i> , 2020, 15, e0230298.	2.5	30
18	Optimized prediction of cognition based on brain morphometry across the adult life span. <i>Neurobiology of Aging</i> , 2020, 93, 16-24.	3.1	2

#	ARTICLE	IF	CITATIONS
19	fMRI-guided white matter connectivity in fluid and crystallized cognitive abilities in healthy adults. <i>NeuroImage</i> , 2020, 215, 116809.	4.2	4
20	Towards an ontology of cognitive processes and their neural substrates: A structural equation modeling approach. <i>PLoS ONE</i> , 2020, 15, e0228167.	2.5	5
21	Tolcapone Treatment for Cognitive and Behavioral Symptoms in Behavioral Variant Frontotemporal Dementia: A Placebo-Controlled Crossover Study. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 1391-1403.	2.6	9
22	Optimizing Machine Learning Methods to Improve Predictive Models of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 1027-1036.	2.6	26
23	The relationship between white matter hyperintensities and cognitive reference abilities across the life span. <i>Neurobiology of Aging</i> , 2019, 83, 31-41.	3.1	24
24	Brain biomarkers and cognition across adulthood. <i>Human Brain Mapping</i> , 2019, 40, 3832-3842.	3.6	27
25	Mechanisms underlying resilience in ageing. <i>Nature Reviews Neuroscience</i> , 2019, 20, 246-246.	10.2	34
26	White Matter Regions With Low Microstructure in Young Adults Spatially Coincide With White Matter Hyperintensities in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 345.	3.4	1
27	Occupational Patterns of Structural Brain Health: Independent Contributions Beyond Education, Gender, Intelligence, and Age. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 449.	2.0	10
28	The Effect of Aging on Resting State Connectivity of Predefined Networks in the Brain. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 234.	3.4	130
29	Between-network Functional Connectivity Is Modified by Age and Cognitive Task Domain. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 607-622.	2.3	29
30	Gray matter volume covariance patterns associated with gait speed in older adults: a multi-cohort MRI study. <i>Brain Imaging and Behavior</i> , 2019, 13, 446-460.	2.1	38
31	Reference ability neural networks and behavioral performance across the adult life span. <i>NeuroImage</i> , 2018, 172, 51-63.	4.2	10
32	A task-invariant cognitive reserve network. <i>NeuroImage</i> , 2018, 178, 36-45.	4.2	94
33	Cortical thickness and metacognition in cognitively diverse older adults. <i>Neuropsychology</i> , 2018, 32, 700-710.	1.3	29
34	Cognitive neuroscience neuroimaging repository for the adult lifespan. <i>NeuroImage</i> , 2017, 144, 294-298.	4.2	15
35	A dopamine receptor genetic variant enhances perceptual speed in cognitive healthy subjects. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 254-261.	3.7	5
36	Metabolic connectivity: methods and applications. <i>Current Opinion in Neurology</i> , 2017, 30, 677-685.	3.6	101

#	ARTICLE	IF	CITATIONS
37	The Indirect Effect of Age Group on Switch Costs via Gray Matter Volume and Task-Related Brain Activity. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 162.	3.4	14
38	Selective association between cortical thickness and reference abilities in normal aging. <i>NeuroImage</i> , 2016, 142, 293-300.	4.2	18
39	Brain reserve against physical disability progression over 5 years in multiple sclerosis. <i>Neurology</i> , 2016, 86, 2006-2009.	1.1	31
40	Functional brain and age-related changes associated with congruency in task switching. <i>Neuropsychologia</i> , 2016, 91, 211-221.	1.6	18
41	White matter integrity as a mediator in the relationship between dietary nutrients and cognition in the elderly. <i>Annals of Neurology</i> , 2016, 79, 1014-1025.	5.3	79
42	β -Amyloid Deposition Is Associated with Decreased Right Prefrontal Activation during Task Switching among Cognitively Normal Elderly. <i>Journal of Neuroscience</i> , 2016, 36, 1962-1970.	3.6	26
43	Differences between chronological and brain age are related to education and self-reported physical activity. <i>Neurobiology of Aging</i> , 2016, 40, 138-144.	3.1	198
44	White matter tract covariance patterns predict age-declining cognitive abilities. <i>NeuroImage</i> , 2016, 125, 53-60.	4.2	36
45	The Reference Ability Neural Network Study: Life-time stability of reference-ability neural networks derived from task maps of young adults. <i>NeuroImage</i> , 2016, 125, 693-704.	4.2	45
46	Insight from uncertainty: bootstrap-derived diffusion metrics differentially predict memory function among older adults. <i>Brain Structure and Function</i> , 2016, 221, 507-514.	2.3	5
47	The right insula contributes to memory awareness in cognitively diverse older adults. <i>Neuropsychologia</i> , 2015, 75, 163-169.	1.6	69
48	Making Cognitive Latent Variables Manifest: Distinct Neural Networks for Fluid Reasoning and Processing Speed. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1249-1258.	2.3	16
49	Functional network mediates age-related differences in reaction time: a replication and extension study. <i>Brain and Behavior</i> , 2015, 5, e00324.	2.2	3
50	Deconstructing Racial Differences: The Effects of Quality of Education and Cerebrovascular Risk Factors. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2015, 70, 545-556.	3.9	35
51	Mediterranean diet and brain structure in a multiethnic elderly cohort. <i>Neurology</i> , 2015, 85, 1744-1751.	1.1	182
52	β -related hyperactivation in frontoparietal control regions in cognitively normal elderly. <i>Neurobiology of Aging</i> , 2015, 36, 3247-3254.	3.1	29
53	Breadth and age-dependency of relations between cortical thickness and cognition. <i>Neurobiology of Aging</i> , 2015, 36, 3020-3028.	3.1	47
54	The Role of Education and Verbal Abilities in Altering the Effect of Age-Related Gray Matter Differences on Cognition. <i>PLoS ONE</i> , 2014, 9, e91196.	2.5	41

#	ARTICLE	IF	CITATIONS
55	Neuroimaging explanations of age-related differences in task performance. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 46.	3.4	21
56	Functional connectivity of the posterior hippocampus is more dominant as we age. <i>Cognitive Neuroscience</i> , 2014, 5, 150-159.	1.4	33
57	Shared space, separate processes: Neural activation patterns for auditory description and visual object naming in healthy adults. <i>Human Brain Mapping</i> , 2014, 35, 2507-2520.	3.6	29
58	Unilateral disruptions in the default network with aging in native space. <i>Brain and Behavior</i> , 2014, 4, 143-157.	2.2	37
59	Covarying alterations in A β deposition, glucose metabolism, and gray matter volume in cognitively normal elderly. <i>Human Brain Mapping</i> , 2014, 35, 297-308.	3.6	88
60	The Reference Ability Neural Network Study: Motivation, design, and initial feasibility analyses. <i>NeuroImage</i> , 2014, 103, 139-151.	4.2	84
61	Cerebral blood flow and gray matter volume covariance patterns of cognition in aging. <i>Human Brain Mapping</i> , 2013, 34, 3267-3279.	3.6	43
62	Structural brain imaging and multivariate analysis enable virtual lumbar punctures. <i>Neurology</i> , 2013, 80, 126-127.	1.1	0
63	Metabolic network as a progression biomarker of premanifest Huntington's disease. <i>Journal of Clinical Investigation</i> , 2013, 123, 4076-4088.	8.2	91
64	Extended Remediation of Sleep Deprived-Induced Working Memory Deficits Using fMRI-guided Transcranial Magnetic Stimulation. <i>Sleep</i> , 2013, 36, 857-871.	1.1	57
65	Neural Correlates of People's Hypercorrection of Their False Beliefs. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1571-1583.	2.3	30
66	Age differences of multivariate network expressions during task-switching and their associations with behavior. <i>Neuropsychologia</i> , 2012, 50, 3509-3518.	1.6	30
67	Dual-tasking alleviated sleep deprivation disruption in visuomotor tracking: An fMRI study. <i>Brain and Cognition</i> , 2012, 78, 248-256.	1.8	10
68	Can the default-mode network be described with one spatial-covariance network?. <i>Brain Research</i> , 2012, 1468, 38-51.	2.2	15
69	Genetic architecture of resilience of executive functioning. <i>Brain Imaging and Behavior</i> , 2012, 6, 621-633.	2.1	22
70	Voxel and surface-based topography of memory and executive deficits in mild cognitive impairment and Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2012, 6, 551-567.	2.1	66
71	Relationship between baseline brain metabolism measured using [18F]FDG PET and memory and executive function in prodromal and early Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2012, 6, 568-583.	2.1	47
72	Age-Related Changes in Task Related Functional Network Connectivity. <i>PLoS ONE</i> , 2012, 7, e44421.	2.5	42

#	ARTICLE	IF	CITATIONS
73	Task difficulty modulates young-old differences in network expression. <i>Brain Research</i> , 2012, 1435, 130-145.	2.2	39
74	Contrasting visual working memory for verbal and non-verbal material with multivariate analysis of fMRI. <i>Brain Research</i> , 2012, 1467, 27-41.	2.2	21
75	Neural networks associated with the speed-accuracy tradeoff: Evidence from the response signal method. <i>Behavioural Brain Research</i> , 2011, 224, 397-402.	2.2	9
76	Intrinsic Functional-Connectivity Networks for Diagnosis: Just Beautiful Pictures?. <i>Brain Connectivity</i> , 2011, 1, 99-103.	1.7	18
77	Volumetric Correlates of Spatiotemporal Working and Recognition Memory Impairment in Aged Rhesus Monkeys. <i>Cerebral Cortex</i> , 2011, 21, 1559-1573.	2.9	68
78	Multivariate Data Analysis for Neuroimaging Data: Overview and Application to Alzheimer's Disease. <i>Cell Biochemistry and Biophysics</i> , 2010, 58, 53-67.	1.8	110
79	Neural mechanisms of repetition priming of familiar and globally unfamiliar visual objects. <i>Brain Research</i> , 2010, 1343, 122-134.	2.2	22
80	Mapping Brain Function Using a 30-Day Interval between Baseline and Activation: A Novel Arterial Spin Labeling fMRI Approach. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1721-1733.	4.3	23
81	Increased sensorimotor network activity in DYT1 dystonia: a functional imaging study. <i>Brain</i> , 2010, 133, 690-700.	7.6	88
82	Performance degradation and altered cerebral activation during dual performance: Evidence for a bottom-up attentional system. <i>Behavioural Brain Research</i> , 2010, 210, 229-239.	2.2	24
83	Examining the multifactorial nature of cognitive aging with covariance analysis of positron emission tomography data. <i>Journal of the International Neuropsychological Society</i> , 2009, 15, 973-981.	1.8	8
84	Reduction in cerebral blood flow in areas appearing as white matter hyperintensities on magnetic resonance imaging. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 117-120.	1.8	130
85	Separating function from structure in perfusion imaging of the aging brain. <i>Human Brain Mapping</i> , 2009, 30, 2927-2935.	3.6	93
86	A forward application of age associated gray and white matter networks. <i>Human Brain Mapping</i> , 2008, 29, 1139-1146.	3.6	26
87	Multivariate and Univariate Analysis of Continuous Arterial Spin Labeling Perfusion MRI in Alzheimer's Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 725-736.	4.3	153
88	Multivariate and univariate neuroimaging biomarkers of Alzheimer's disease. <i>NeuroImage</i> , 2008, 40, 1503-1515.	4.2	151
89	A Common Neural Network for Cognitive Reserve in Verbal and Object Working Memory in Young but not Old. <i>Cerebral Cortex</i> , 2008, 18, 959-967.	2.9	113
90	The response-signal method reveals age-related changes in object working memory.. <i>Psychology and Aging</i> , 2008, 23, 315-329.	1.6	13

#	ARTICLE	IF	CITATIONS
91	Structural MRI covariance patterns associated with normal aging and neuropsychological functioning. <i>Neurobiology of Aging</i> , 2007, 28, 284-295.	3.1	134
92	Imaging markers of mild cognitive impairment: Multivariate analysis of CBF SPECT. <i>Neurobiology of Aging</i> , 2007, 28, 1062-1069.	3.1	63
93	Neural network approaches and their reproducibility in the study of verbal working memory and Alzheimer's disease. <i>Clinical Neuroscience Research</i> , 2007, 6, 381-390.	0.8	22
94	Reciprocal Benefits of Mass-Univariate and Multivariate Modeling in Brain Mapping: Applications to Event-Related Functional MRI, H215O-, and FDG-PET. <i>International Journal of Biomedical Imaging</i> , 2006, 2006, 1-13.	3.9	27
95	An event-related fMRI study of the neural networks underlying repetition suppression and reaction time priming in implicit visual memory. <i>Brain Research</i> , 2006, 1075, 133-141.	2.2	19
96	PET Network Abnormalities and Cognitive Decline in Patients with Mild Cognitive Impairment. <i>Neuropsychopharmacology</i> , 2006, 31, 1327-1334.	5.4	34
97	An event-related fMRI study of the neural networks underlying the encoding, maintenance, and retrieval phase in a delayed-match-to-sample task. <i>Cognitive Brain Research</i> , 2005, 23, 207-220.	3.0	118
98	A New Approach to Spatial Covariance Modeling of Functional Brain Imaging Data: Ordinal Trend Analysis. <i>Neural Computation</i> , 2005, 17, 1602-1645.	2.2	109
99	Brain Networks Associated with Cognitive Reserve in Healthy Young and Old Adults. <i>Cerebral Cortex</i> , 2005, 15, 394-402.	2.9	341
100	An event-related fMRI study of the neurobehavioral impact of sleep deprivation on performance of a delayed-match-to-sample task. <i>Cognitive Brain Research</i> , 2004, 18, 306-321.	3.0	147
101	Covariance PET patterns in early Alzheimer's disease and subjects with cognitive impairment but no dementia: utility in group discrimination and correlations with functional performance. <i>NeuroImage</i> , 2004, 23, 35-45.	4.2	101
102	Imaging cognitive reserve. <i>International Journal of Psychology</i> , 2004, 39, 18-26.	2.8	7
103	Relation of cognitive reserve and task performance to expression of regional covariance networks in an event-related fMRI study of nonverbal memory. <i>NeuroImage</i> , 2003, 20, 1723-1733.	4.2	70
104	Association of Life Activities With Cerebral Blood Flow in Alzheimer Disease. <i>Archives of Neurology</i> , 2003, 60, 359.	4.5	234
105	APOE Genotype and Cerebral Blood Flow in Healthy Young Individuals. <i>JAMA - Journal of the American Medical Association</i> , 2003, 290, 1581-1582.	7.4	50
106	Age-Specific Activation Patterns and Inter-Subject Similarity During Verbal Working Memory Maintenance and Cognitive Reserve. <i>Frontiers in Psychology</i> , 0, 13, .	2.1	2