

# Juergen Dukart

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

3,760  
citations

159585

30  
h-index

149698

56  
g-index

102  
all docs

102  
docs citations

102  
times ranked

7671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	27.8	634
2	Social brain, social dysfunction and social withdrawal. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 97, 10-33.	6.1	216
3	Age Correction in Dementia – Matching to a Healthy Brain. <i>PLoS ONE</i> , 2011, 6, e22193.	2.5	161
4	The 16p11.2 locus modulates brain structures common to autism, schizophrenia and obesity. <i>Molecular Psychiatry</i> , 2015, 20, 140-147.	7.9	160
5	Electroconvulsive therapy-induced brain plasticity determines therapeutic outcome in mood disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1156-1161.	7.1	141
6	Structural brain plasticity in Parkinson's disease induced by balance training. <i>Neurobiology of Aging</i> , 2014, 35, 232-239.	3.1	135
7	Combined Evaluation of FDG-PET and MRI Improves Detection and Differentiation of Dementia. <i>PLoS ONE</i> , 2011, 6, e18111.	2.5	129
8	Differential effects of global and cerebellar normalization on detection and differentiation of dementia in FDG-PET studies. <i>NeuroImage</i> , 2010, 49, 1490-1495.	4.2	118
9	Patients with autism spectrum disorders display reproducible functional connectivity alterations. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	115
10	Meta-analysis based SVM classification enables accurate detection of Alzheimer's disease across different clinical centers using FDG-PET and MRI. <i>Psychiatry Research - Neuroimaging</i> , 2013, 212, 230-236.	1.8	107
11	Cerebellar Transcranial Direct Current Stimulation Modulates Verbal Working Memory. <i>Brain Stimulation</i> , 2013, 6, 649-653.	1.6	95
12	<scp>JuSpace</scp>: A tool for spatial correlation analyses of magnetic resonance imaging data with nuclear imaging derived neurotransmitter maps. <i>Human Brain Mapping</i> , 2021, 42, 555-566.	3.6	95
13	How early can we predict Alzheimer's disease using computational anatomy?. <i>Neurobiology of Aging</i> , 2013, 34, 2815-2826.	3.1	90
14	Brain tissue properties differentiate between motor and limbic basal ganglia circuits. <i>Human Brain Mapping</i> , 2014, 35, 5083-5092.	3.6	82
15	Cerebral blood flow predicts differential neurotransmitter activity. <i>Scientific Reports</i> , 2018, 8, 4074.	3.3	78
16	Disentangling in vivo the effects of iron content and atrophy on the ageing human brain. <i>NeuroImage</i> , 2014, 103, 280-289.	4.2	68
17	Generative FDG-PET and MRI Model of Aging and Disease Progression in Alzheimer's Disease. <i>PLoS Computational Biology</i> , 2013, 9, e1002987.	3.2	67
18	Relationship between imaging biomarkers, age, progression and symptom severity in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2013, 3, 84-94.	2.7	63

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19	Applying Automated MR-Based Diagnostic Methods to the Memory Clinic: A Prospective Study. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 939-954.	2.6	63
20	Accurate Prediction of Conversion to Alzheimer's Disease using Imaging, Genetic, and Neuropsychological Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2016, 49, 1143-1159.	2.6	61
21	Dissociating Memory Networks in Early Alzheimer's Disease and Frontotemporal Lobar Degeneration - A Combined Study of Hypometabolism and Atrophy. <i>PLoS ONE</i> , 2013, 8, e55251.	2.5	59
22	When Structure Affects Function – The Need for Partial Volume Effect Correction in Functional and Resting State Magnetic Resonance Imaging Studies. <i>PLoS ONE</i> , 2014, 9, e114227.	2.5	58
23	Partial-Volume Effect Correction Improves Quantitative Analysis of <sup>18</sup> F-Florbetaben $\beta$ -Amyloid PET Scans. <i>Journal of Nuclear Medicine</i> , 2016, 57, 198-203.	5.0	58
24	Progressive Decline in Gray and White Matter Integrity in de novo Parkinson's Disease: An Analysis of Longitudinal Parkinson Progression Markers Initiative Diffusion Tensor Imaging Data. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 318.	3.4	58
25	Bidirectional gray matter changes after complex motor skill learning. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 37.	2.5	54
26	Test-retest reliability of task-based and resting-state blood oxygen level dependence and cerebral blood flow measures. <i>PLoS ONE</i> , 2018, 13, e0206583.	2.5	53
27	Intrinsic Connectivity Patterns of Task-Defined Brain Networks Allow Individual Prediction of Cognitive Symptom Dimension of Schizophrenia and Are Linked to Molecular Architecture. <i>Biological Psychiatry</i> , 2021, 89, 308-319.	1.3	42
28	Longitudinal characterization of biomarkers for spinal muscular atrophy. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 292-304.	3.7	40
29	Neural Control of Vascular Reactions: Impact of Emotion and Attention. <i>Journal of Neuroscience</i> , 2014, 34, 4251-4259.	3.6	37
30	Sembragiline in Moderate Alzheimer's Disease: Results of a Randomized, Double-Blind, Placebo-Controlled Phase II Trial (MAYFLOWER RoAD). <i>Journal of Alzheimer's Disease</i> , 2017, 58, 1217-1228.	2.6	33
31	Identifying the Neural Correlates of Executive Functions in Early Cerebral Microangiopathy: A Combined VBM and DTI Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1869-1878.	4.3	32
32	Age-related brain structural alterations as an intermediate phenotype of psychosis. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 307-319.	2.4	32
33	Increased cerebral blood flow after single dose of antipsychotics in healthy volunteers depends on dopamine D2 receptor density profiles. <i>NeuroImage</i> , 2019, 188, 774-784.	4.2	30
34	Comparison of local spectral modulation, and temporal correlation, of simultaneously recorded EEG/fMRI signals during ketamine and midazolam sedation. <i>Psychopharmacology</i> , 2018, 235, 3479-3493.	3.1	28
35	An investigation of regional cerebral blood flow and tissue structure changes after acute administration of antipsychotics in healthy male volunteers. <i>Human Brain Mapping</i> , 2018, 39, 319-331.	3.6	27
36	Reference Cluster Normalization Improves Detection of Frontotemporal Lobar Degeneration by Means of FDG-PET. <i>PLoS ONE</i> , 2013, 8, e55415.	2.5	25

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37	Regional volumetric change in Parkinson's disease with cognitive decline. <i>Journal of the Neurological Sciences</i> , 2017, 373, 88-94.	0.6	24
38	Relating constructs of attention and working memory to social withdrawal in Alzheimer's disease and schizophrenia: issues regarding paradigm selection. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 97, 47-69.	6.1	22
39	Decreased Cortical Thickness in the Anterior Cingulate Cortex in Adults with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2019, 49, 1402-1409.	2.7	20
40	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis. <i>Molecular Autism</i> , 2022, 13, 22.	4.9	20
41	Effects of ketamine and midazolam on resting state connectivity and comparison with ENIGMA connectivity deficit patterns in schizophrenia. <i>Human Brain Mapping</i> , 2020, 41, 767-778.	3.6	19
42	Neural correlates of the DemTect in Alzheimer's disease and frontotemporal lobar degeneration – A combined MRI & FDG-PET study. <i>NeuroImage: Clinical</i> , 2013, 2, 746-758.	2.7	18
43	Metabolic Connectivity as Index of Verbal Working Memory. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1122-1126.	4.3	18
44	Temporal dynamics of the pharmacological MRI response to subanaesthetic ketamine in healthy volunteers: A simultaneous EEG/fMRI study. <i>Journal of Psychopharmacology</i> , 2019, 33, 219-229.	4.0	18
45	The Combination of DAT-SPECT, Structural and Diffusion MRI Predicts Clinical Progression in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 57.	3.4	18
46	Early identification of postpartum depression using demographic, clinical, and digital phenotyping. <i>Translational Psychiatry</i> , 2021, 11, 121.	4.8	18
47	Rate of $^{125}$ I-amyloid accumulation varies with baseline amyloid burden: Implications for anti-amyloid drug trials. <i>Alzheimer's and Dementia</i> , 2018, 14, 1387-1396.	0.8	16
48	Exploring Test-Retest Reliability and Longitudinal Stability of Digital Biomarkers for Parkinson Disease in the m-Power Data Set: Cohort Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e26608.	4.3	15
49	Modulation of simultaneously collected hemodynamic and electrophysiological functional connectivity by ketamine and midazolam. <i>Human Brain Mapping</i> , 2020, 41, 1472-1494.	3.6	14
50	Towards increasing the clinical applicability of machine learning biomarkers in psychiatry. <i>Nature Human Behaviour</i> , 2021, 5, 431-432.	12.0	14
51	Distinct Role of Striatal Functional Connectivity and Dopaminergic Loss in Parkinson's Symptoms. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 151.	3.4	13
52	Sleep deprivation and Modafinil affect cortical sources of resting state electroencephalographic rhythms in healthy young adults. <i>Clinical Neurophysiology</i> , 2019, 130, 1488-1498.	1.5	10
53	Haematological effects of oral administration of bitopertin, a glycine transport inhibitor, in patients with non-transfusion-dependent $^{125}$ I-thalassaemia. <i>British Journal of Haematology</i> , 2021, 194, 474-477.	2.5	10
54	Longitudinal Analysis of Multiple Neurotransmitter Metabolites in Cerebrospinal Fluid in Early Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 1972-1978.	3.9	10

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55	Examining early structural and functional brain alterations in postpartum depression through multimodal neuroimaging. <i>Scientific Reports</i> , 2021, 11, 13551.	3.3	10
56	Recovery-Associated Resting-State Activity and Connectivity Alterations in Anorexia Nervosa. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 1023-1033.	1.5	8
57	Naturalizing psychopathologyâ€”towards a quantitative real-world psychiatry. <i>Molecular Psychiatry</i> , 2022, 27, 781-783.	7.9	8
58	JTrack: A Digital Biomarker Platform for Remote Monitoring of Daily-Life Behaviour in Health and Disease. <i>Frontiers in Public Health</i> , 2021, 9, 763621.	2.7	8
59	Proof-of-Mechanism Study of the Phosphodiesterase 10 Inhibitor RG7203 in Patients With Schizophrenia and Negative Symptoms. <i>Biological Psychiatry Global Open Science</i> , 2021, 1, 70-77.	2.2	6
60	JuSpace: A Tool for Spatial Correlation Analyses of Functional and Structural Magnetic Resonance Imaging Data With Positron Emission Tomography Derived Receptor Maps. <i>Biological Psychiatry</i> , 2020, 87, S190.	1.3	4
61	The effect of risperidone on rewardâ€­related brain activity is robust to drugâ€­induced vascular changes. <i>Human Brain Mapping</i> , 2021, 42, 2766-2777.	3.6	4
62	Functional Magnetic Resonance Imaging in Alzheimerâ€™ Disease Drug Development. <i>Methods in Molecular Biology</i> , 2018, 1750, 159-163.	0.9	4
63	Smartphone-Based Digital Biomarkers for Parkinsonâ€™s Disease in a Remotely-Administered Setting. <i>IEEE Access</i> , 2022, 10, 28361-28384.	4.2	4
64	Thalamic altered spontaneous activity and connectivity in obstructive sleep apnea syndrome. <i>Journal of Neuroimaging</i> , 2022, 32, 314-327.	2.0	4
65	System Comparison for Gait and Balance Monitoring Used for the Evaluation of a Home-Based Training. <i>Sensors</i> , 2022, 22, 4975.	3.8	4
66	Olâ€­10â€­01: Gantenerumab Treatment Reduces Biomarkers of Neuronal and Synaptic Degeneration in Alzheimerâ€™s Disease. <i>Alzheimer's and Dementia</i> , 2016, 12, P198.	0.8	3
67	Effects of Ketamine and Midazolam on Simultaneous EEG/fMRI Data During Working Memory Processes. <i>Brain Topography</i> , 2021, 34, 863-880.	1.8	3
68	Resting-State Alterations in Behavioral Variant Frontotemporal Dementia are Related to the Distribution of Monoamine and GABA Neurotransmitter Systems. <i>Biological Psychiatry</i> , 2021, 89, S177.	1.3	2
69	Functional MRI Derived Resting-State Alterations in Huntingtonâ€™s Disease are Associated With the Distribution of Serotonergic and Dopaminergic Neurotransmitter Systems. <i>Biological Psychiatry</i> , 2021, 89, S172.	1.3	2
70	Phase 2 Clinical Trial Results for Bitopertin, an Oral Glycine Transporter 1 Inhibitor, in Patients with Non-Transfusion Dependent Beta-Thalassemia. <i>Blood</i> , 2018, 132, 3635-3635.	1.4	2
71	Skeleton-based gyri sulci separation for improved assessment of cortical thickness. , 2012, , .		1
72	Basic Concepts of Image Classification Algorithms Applied to Study Neurodegenerative Diseases. , 2015, , 641-646.		1

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73	P3-056: Back-Translation of EEG/ERP Markers from Amnestic MCI Patients to Healthy Young Volunteers in the Pharmacog Project. , 2016, 12, P837-P838.		1
74	Nuclear medicine and radiology. , 2015, , 113-122.		1
75	Aberrant Brain Activity in Individuals With Psychopathy Links to Receptor Distribution, Gene Expression, and Behavior. Biological Psychiatry, 2021, , .	1.3	1
76	P1-215: CORTICAL SOURCES OF RESTING STATE EYES CLOSED EEG RHYTHMS ARE CORRELATED TO CEREBROSPINAL FLUID $\beta$ 2 AMYLOID IN AMNESTIC MCI SUBJECTS. , 2014, 10, P382-P383.		0
77	P2-175: Are cortical sources of resting state eyes-closed electroencephalographic rhythms an early diagnostic marker of Alzheimer's disease?. , 2015, 11, P558-P559.		0
78	P2-176: Are cortical sources of auditory oddball event-related potentials an early diagnostic marker of Alzheimer's disease?. , 2015, 11, P559-P559.		0
79	P3-057: Association Between EEG/ERP and CSF Markers in Prodromal Alzheimer's Disease in the Pharmacog Project. Alzheimer's and Dementia, 2016, 12, P838.	0.8	0
80	[P4-160]: BACK-TRANSLATION OF EEG/ERP MARKERS FROM AMNESTIC MCI PATIENTS TO HEALTHY YOUNG VOLUNTEERS IN THE PHARMACOG PROJECT. Alzheimer's and Dementia, 2017, 13, P1321.	0.8	0
81	O4.3. INCREASED CEREBRAL BLOOD FLOW AFTER SINGLE DOSE OF ANTIPSYCHOTICS IN HEALTHY SUBJECTS DEPENDS ON DOPAMINE D2 RECEPTOR DENSITY PROFILES EVALUATED WITH PET AND MRNA EXPRESSION DATA.. Schizophrenia Bulletin, 2018, 44, S83-S84.	4.3	0
82	P2-101: $\beta$ 2/PHOSPHO TAU LOAD IN CSF IS RELATED TO CORTICAL EXCITABILITY AS REVEALED BY CORTICAL EEG BIOMARKERS IN PATIENTS WITH PRODROMAL ALZHEIMER'S DISEASE: THE PHARMACOG PROJECT. Alzheimer's and Dementia, 2018, 14, P707.	0.8	0
83	Accurate Early Identification of Postpartum Depression Using Demographic, Clinical and Digital Phenotyping. Biological Psychiatry, 2020, 87, S138.	1.3	0
84	High Amplitude Bold Fluctuations Correlate With EEG Power in Human Simultaneous EEG/fMRI. Biological Psychiatry, 2021, 89, S332.	1.3	0