

# 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	Naturalizing psychopathologyâ€”towards a quantitative real-world psychiatry. <i>Molecular Psychiatry</i> , 2022, 27, 781-783.	7.9	8
2	Smartphone-Based Digital Biomarkers for Parkinsonâ€™s Disease in a Remotely-Administered Setting. <i>IEEE Access</i> , 2022, 10, 28361-28384.	4.2	4
3	Thalamic altered spontaneous activity and connectivity in obstructive sleep apnea syndrome. <i>Journal of Neuroimaging</i> , 2022, 32, 314-327.	2.0	4
4	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis. <i>Molecular Autism</i> , 2022, 13, 22.	4.9	20
5	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
6	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
7	<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
8	Early identification of postpartum depression using demographic, clinical, and digital phenotyping. <i>Translational Psychiatry</i> , 2021, 11, 121.	4.8	18
9	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
10	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
11	Haematological effects of oral administration of bitopertin, a glycine transport inhibitor, in patients with nonâ€transfusionâ€dependent Î²â€thalassaemia. <i>British Journal of Haematology</i> , 2021, 194, 474-477.	2.5	10
12	Towards increasing the clinical applicability of machine learning biomarkers in psychiatry. <i>Nature Human Behaviour</i> , 2021, 5, 431-432.	12.0	14
13	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
14	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
15	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
16	High Amplitude Bold Fluctuations Correlate With EEG Power in Human Simultaneous EEG/fMRI. <i>Biological Psychiatry</i> , 2021, 89, S332.	1.3	0
17	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
18	Examining early structural and functional brain alterations in postpartum depression through multimodal neuroimaging. <i>Scientific Reports</i> , 2021, 11, 13551.	3.3	10

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19	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
20	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
21	Aberrant Brain Activity in Individuals With Psychopathy Links to Receptor Distribution, Gene Expression, and Behavior. <i>Biological Psychiatry</i> , 2021, , .	1.3	1
22	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
23	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
24	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
25	Accurate Early Identification of Postpartum Depression Using Demographic, Clinical and Digital Phenotyping. <i>Biological Psychiatry</i> , 2020, 87, S138.	1.3	0
26	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	27.8	634
27	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
28	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
29	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
30	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
31	Patients with autism spectrum disorders display reproducible functional connectivity alterations. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	115
32	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
33	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
34	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
35	Social brain, social dysfunction and social withdrawal. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 97, 10-33.	6.1	216
36	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.. <i>Schizophrenia Bulletin</i> , 2018, 44, S83-S84.	4.3	0

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37	Cerebral blood flow predicts differential neurotransmitter activity. <i>Scientific Reports</i> , 2018, 8, 4074.	3.3	78
38	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
39	P2â€101: AÎ²/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. <i>Alzheimer's and Dementia</i> , 2018, 14, P707.	0.8	0
40	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
41	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
42	Progressive Decline in Gray and White Matter Integrity in de novo Parkinsonâ€™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
43	Rate of Î²â€amyloid accumulation varies with baseline amyloid burden: Implications for antiâ€amyloid drug trials. <i>Alzheimer's and Dementia</i> , 2018, 14, 1387-1396.	0.8	16
44	Functional Magnetic Resonance Imaging in Alzheimerâ€™ Disease Drug Development. <i>Methods in Molecular Biology</i> , 2018, 1750, 159-163.	0.9	4
45	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
46	Longitudinal characterization of biomarkers for spinal muscular atrophy. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 292-304.	3.7	40
47	Regional volumetric change in Parkinson's disease with cognitive decline. <i>Journal of the Neurological Sciences</i> , 2017, 373, 88-94.	0.6	24
48	[P4â€160]: BACKâ€TRANSLATION OF EEG/ERP MARKERS FROM AMNESTIC MCI PATIENTS TO HEALTHY YOUNG VOLUNTEERS IN THE PHARMACOG PROJECT. <i>Alzheimer's and Dementia</i> , 2017, 13, P1321.	0.8	0
49	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
50	Sembragiline in Moderate Alzheimerâ€™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
51	Distinct Role of Striatal Functional Connectivity and Dopaminergic Loss in Parkinsonâ€™s Symptoms. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 151.	3.4	13
52	Accurate Prediction of Conversion to Alzheimerâ€™s Disease using Imaging, Genetic, and Neuropsychological Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2016, 49, 1143-1159.	2.6	61
53	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
54	P3â€057: Association Between EEG/ERP and CSF Markers in Prodromal Alzheimerâ€™s Disease in the Pharmacog Project. <i>Alzheimer's and Dementia</i> , 2016, 12, P838.	0.8	0

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55	O1â€10â€01: Gantenerumab Treatment Reduces Biomarkers of Neuronal and Synaptic Degeneration in Alzheimer's Disease. <i>Alzheimer's and Dementia</i> , 2016, 12, P198.	0.8	3
56	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
57	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
58	P2-176: Are cortical sources of auditory oddball event-related potentials an early diagnostic marker of Alzheimer's disease?. , 2015, 11, P559-P559.		0
59	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
60	The 16p11.2 locus modulates brain structures common to autism, schizophrenia and obesity. <i>Molecular Psychiatry</i> , 2015, 20, 140-147.	7.9	160
61	Basic Concepts of Image Classification Algorithms Applied to Study Neurodegenerative Diseases. , 2015, , 641-646.		1
62	Metabolic Connectivity as Index of Verbal Working Memory. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1122-1126.	4.3	18
63	Nuclear medicine and radiology. , 2015, , 113-122.		1
64	When Structure Affects Function â€“ 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
65	Neural Control of Vascular Reactions: Impact of Emotion and Attention. <i>Journal of Neuroscience</i> , 2014, 34, 4251-4259.	3.6	37
66	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
67	Brain tissue properties differentiate between motor and limbic basal ganglia circuits. <i>Human Brain Mapping</i> , 2014, 35, 5083-5092.	3.6	82
68	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
69	Structural brain plasticity in Parkinson's disease induced by balance training. <i>Neurobiology of Aging</i> , 2014, 35, 232-239.	3.1	135
70	P1-215: CORTICAL SOURCES OF RESTING STATE EYES CLOSED EEG RHYTHMS ARE CORRELATED TO CEREBROSPINAL FLUID $\beta$ AMYLOID IN AMNESTIC MCI SUBJECTS. , 2014, 10, P382-P383.		0
71	How early can we predict Alzheimer's disease using computational anatomy?. <i>Neurobiology of Aging</i> , 2013, 34, 2815-2826.	3.1	90
72	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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73	Cerebellar Transcranial Direct Current Stimulation Modulates Verbal Working Memory. <i>Brain Stimulation</i> , 2013, 6, 649-653.	1.6	95
74	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
75	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
76	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
77	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
78	Reference Cluster Normalization Improves Detection of Frontotemporal Lobar Degeneration by Means of FDG-PET. <i>PLoS ONE</i> , 2013, 8, e55415.	2.5	25
79	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
80	Skeleton-based gyri sulci separation for improved assessment of cortical thickness. , 2012, , .		1
81	Bidirectional gray matter changes after complex motor skill learning. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 37.	2.5	54
82	Combined Evaluation of FDG-PET and MRI Improves Detection and Differentiation of Dementia. <i>PLoS ONE</i> , 2011, 6, e18111.	2.5	129
83	Age Correction in Dementia – Matching to a Healthy Brain. <i>PLoS ONE</i> , 2011, 6, e22193.	2.5	161
84	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