

# Heike Tost

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

7,024  
citations

94433

37  
h-index

64796

79  
g-index

94  
all docs

94  
docs citations

94  
times ranked

10456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective connectivity during face processing in major depression – distinguishing markers of pathology, risk, and resilience. <i>Psychological Medicine</i> , 2023, 53, 4139-4151.	4.5	8
2	Brain structural correlates of upward social mobility in ethnic minority individuals. <i>Social Psychiatry and Psychiatric Epidemiology</i> , 2022, 57, 2037-2047.	3.1	1
3	Literature Review Reveals a Global Access Inequity to Urban Green Spaces. <i>Sustainability</i> , 2022, 14, 1062.	3.2	13
4	Real-time individual benefit from social interactions before and during the lockdown: the crucial role of personality, neurobiology and genes. <i>Translational Psychiatry</i> , 2022, 12, 28.	4.8	4
5	Mobile Data Collection of Cognitive-Behavioral Tasks in Substance Use Disorders: Where Are We Now?. <i>Neuropsychobiology</i> , 2022, 81, 438-450.	1.9	5
6	Directed coupling in multi-brain networks underlies generalized synchrony during social exchange. <i>NeuroImage</i> , 2022, 252, 119038.	4.2	10
7	The association of stress and physical activity: Mind the ecological fallacy. <i>German Journal of Exercise and Sport Research</i> , 2022, 52, 282.	1.2	7
8	Generative network models of altered structural brain connectivity in schizophrenia. <i>NeuroImage</i> , 2021, 225, 117510.	4.2	24
9	Identifying multimodal signatures underlying the somatic comorbidity of psychosis: the COMMITMENT roadmap. <i>Molecular Psychiatry</i> , 2021, 26, 722-724.	7.9	7
10	Hyper-Coordinated DNA Methylation is Altered in Schizophrenia and Associated with Brain Function. <i>Schizophrenia Bulletin Open</i> , 2021, 2, .	1.7	0
11	Structural alterations in brainstem, basal ganglia and thalamus associated with parkinsonism in schizophrenia spectrum disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 1455-1464.	3.2	6
12	A neurodevelopmental signature of parkinsonism in schizophrenia. <i>Schizophrenia Research</i> , 2021, 231, 54-60.	2.0	11
13	Brain network dynamics during working memory are modulated by dopamine and diminished in schizophrenia. <i>Nature Communications</i> , 2021, 12, 3478.	12.8	69
14	Cortical morphology and illness insight in patients with schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, , 1.	3.2	4
15	White matter microstructure alterations in cortico-striatal networks are associated with parkinsonism in schizophrenia spectrum disorders. <i>European Neuropsychopharmacology</i> , 2021, 50, 64-74.	0.7	6
16	Ambulatory assessment for precision psychiatry: Foundations, current developments and future avenues. <i>Experimental Neurology</i> , 2021, 345, 113807.	4.1	16
17	Translational medicine in psychiatry: challenges and imaging biomarkers. , 2021, , 203-223.		0
18	Studying the impact of built environments on human mental health in everyday life: methodological developments, state-of-the-art and technological frontiers. <i>Current Opinion in Psychology</i> , 2020, 32, 158-164.	4.9	32

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19	Resilience and the brain: a key role for regulatory circuits linked to social stress and support. <i>Molecular Psychiatry</i> , 2020, 25, 379-396.	7.9	90
20	Data-Driven Approaches to Neuroimaging Analysis to Enhance Psychiatric Diagnosis and Therapy. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 780-790.	1.5	17
21	Cortical Surfaces Mediate the Relationship Between Polygenic Scores for Intelligence and General Intelligence. <i>Cerebral Cortex</i> , 2020, 30, 2708-2719.	2.9	24
22	Addiction Research Consortium: Losing and regaining control over drug intake (ReCoDe) – From trajectories to mechanisms and interventions. <i>Addiction Biology</i> , 2020, 25, e12866.	2.6	135
23	Relationships between incidental physical activity, exercise, and sports with subsequent mood in adolescents. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2234-2250.	2.9	11
24	A neural mechanism for affective well-being: Subgenual cingulate cortex mediates real-life effects of nonexercise activity on energy. <i>Science Advances</i> , 2020, 6, .	10.3	19
25	Multiparametric mapping of white matter microstructure in catatonia. <i>Neuropsychopharmacology</i> , 2020, 45, 1750-1757.	5.4	44
26	A Neural Signature of Parkinsonism in Patients With Schizophrenia Spectrum Disorders: A Multimodal MRI Study Using Parallel ICA. <i>Schizophrenia Bulletin</i> , 2020, 46, 999-1008.	4.3	20
27	Association of a Reproducible Epigenetic Risk Profile for Schizophrenia With Brain Methylation and Function. <i>JAMA Psychiatry</i> , 2020, 77, 628.	11.0	46
28	Neural responses to social evaluative threat in the absence of negative investigator feedback and provoked performance failures. <i>Human Brain Mapping</i> , 2020, 41, 2092-2103.	3.6	8
29	Identification of Reproducible BCL11A Alterations in Schizophrenia Through Individual-Level Prediction of Coexpression. <i>Schizophrenia Bulletin</i> , 2020, 46, 1165-1171.	4.3	8
30	Patterns of co-altered brain structure and function underlying neurological soft signs in schizophrenia spectrum disorders. <i>Human Brain Mapping</i> , 2019, 40, 5029-5041.	3.6	28
31	Neural network-based alterations during repetitive heat pain stimulation in major depression. <i>European Neuropsychopharmacology</i> , 2019, 29, 1033-1040.	0.7	7
32	Neural correlates of individual differences in affective benefit of real-life urban green space exposure. <i>Nature Neuroscience</i> , 2019, 22, 1389-1393.	14.8	125
33	MAOA <sup>uVNTR</sup> genotype affects structural and functional connectivity in distributed brain networks. <i>Human Brain Mapping</i> , 2019, 40, 5202-5212.	3.6	14
34	Reproducible grey matter patterns index a multivariate, global alteration of brain structure in schizophrenia and bipolar disorder. <i>Translational Psychiatry</i> , 2019, 9, 12.	4.8	35
35	Deficient Amygdala Habituation to Threatening Stimuli in Borderline Personality Disorder Relates to Adverse Childhood Experiences. <i>Biological Psychiatry</i> , 2019, 86, 930-938.	1.3	34
36	Bidirectional signal exchanges and their mechanisms during joint attention interaction – A hyperscanning fMRI study. <i>NeuroImage</i> , 2019, 198, 242-254.	4.2	36

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37	From Maps to Multi-dimensional Network Mechanisms of Mental Disorders. <i>Neuron</i> , 2018, 97, 14-31.	8.1	146
38	Resting-state brain network features associated with short-term skill learning ability in humans and the influence of N-methyl-D-aspartate receptor antagonism. <i>Network Neuroscience</i> , 2018, 2, 464-480.	2.6	14
39	The 5-HTTLPR Polymorphism Affects Network-Based Functional Connectivity in the Visual-Limbic System in Healthy Adults. <i>Neuropsychopharmacology</i> , 2018, 43, 406-414.	5.4	22
40	The influence of MIR137 on white matter fractional anisotropy and cortical surface area in individuals with familial risk for psychosis. <i>Schizophrenia Research</i> , 2018, 195, 190-196.	2.0	6
41	No association between cardiometabolic risk and neural reactivity to acute psychosocial stress. <i>NeuroImage: Clinical</i> , 2018, 20, 1115-1122.	2.7	8
42	Mood Dimensions Show Distinct Within-Subject Associations With Non-exercise Activity in Adolescents: An Ambulatory Assessment Study. <i>Frontiers in Psychology</i> , 2018, 9, 268.	2.1	17
43	Novelty modulates human striatal activation and prefrontal striatal effective connectivity during working memory encoding. <i>Brain Structure and Function</i> , 2018, 223, 3121-3132.	2.3	16
44	Sex-Dependent Association of Perigenual Anterior Cingulate Cortex Volume and Migration Background, an Environmental Risk Factor for Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017, 43, sbw138.	4.3	15
45	Exercise versus Nonexercise Activity. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 763-773.	0.4	37
46	Cortical surface-based threshold-free cluster enhancement and cortexwise mediation. <i>Human Brain Mapping</i> , 2017, 38, 2795-2807.	3.6	18
47	State-Dependent Cross-Brain Information Flow in Borderline Personality Disorder. <i>JAMA Psychiatry</i> , 2017, 74, 949.	11.0	43
48	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. <i>Molecular Autism</i> , 2017, 8, 24.	4.9	183
49	Altered DLPFC-Hippocampus Connectivity During Working Memory: Independent Replication and Disorder Specificity of a Putative Genetic Risk Phenotype for Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017, 43, 1114-1122.	4.3	32
50	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017, 8, 27.	4.9	126
51	Fast sleep spindle reduction in schizophrenia and healthy first-degree relatives: association with impaired cognitive function and potential intermediate phenotype. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 213-224.	3.2	66
52	A comparison of temporal and location-based sampling strategies for global positioning system-triggered electronic diaries. <i>Geospatial Health</i> , 2016, 11, 473.	0.8	15
53	Altered Functional Subnetwork During Emotional Face Processing. <i>JAMA Psychiatry</i> , 2016, 73, 598.	11.0	59
54	Working memory genetics in schizophrenia and related disorders: An RDoC perspective. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2016, 171, 121-131.	1.7	36

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55	Dynamic brain network reconfiguration as a potential schizophrenia genetic risk mechanism modulated by NMDA receptor function. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12568-12573.	7.1	161
56	Neuroimaging Intermediate Phenotypes of Executive Control Dysfunction in Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 218-229.	1.5	14
57	Functional connectivity measures as schizophrenia intermediate phenotypes: advances, limitations, and future directions. Current Opinion in Neurobiology, 2016, 36, 7-14.	4.2	42
58	Ketamine Suppresses the Ventral Striatal Response to Reward Anticipation: A Cross-Species Translational Neuroimaging Study. Neuropsychopharmacology, 2016, 41, 1386-1394.	5.4	28
59	Theory of mind network activity is altered in subjects with familial liability for schizophrenia. Social Cognitive and Affective Neuroscience, 2016, 11, 299-307.	3.0	18
60	Hippocampalâ€Dorsolateral Prefrontal Coupling as a Species-Conserved Cognitive Mechanism: A Human Translational Imaging Study. Neuropsychopharmacology, 2015, 40, 1674-1681.	5.4	49
61	Acute ketamine challenge increases resting state prefrontal-hippocampal connectivity in both humans and rats. Psychopharmacology, 2015, 232, 4231-4241.	3.1	76
62	Neural Correlates of the Cortisol Awakening Response in Humans. Neuropsychopharmacology, 2015, 40, 2278-2285.	5.4	43
63	Environmental influence in the brain, human welfare and mental health. Nature Neuroscience, 2015, 18, 1421-1431.	14.8	234
64	Dynamic reconfiguration of frontal brain networks during executive cognition in humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11678-11683.	7.1	651
65	Brain Structure Correlates of Urban Upbringing, an Environmental Risk Factor for Schizophrenia. Schizophrenia Bulletin, 2015, 41, 115-122.	4.3	127
66	Effects of Neuregulin 3 Genotype on Human Prefrontal Cortex Physiology. Journal of Neuroscience, 2014, 34, 1051-1056.	3.6	25
67	Neuroimaging and plasticity in schizophrenia. Restorative Neurology and Neuroscience, 2014, 32, 119-127.	0.7	29
68	Amygdala habituation: A reliable fMRI phenotype. NeuroImage, 2014, 103, 383-390.	4.2	119
69	Striatal Response to Reward Anticipation. JAMA Psychiatry, 2014, 71, 531.	11.0	96
70	Oleylethanolamide and Human Neural Responses to Food Stimuli in Obesity. JAMA Psychiatry, 2014, 71, 1254.	11.0	31
71	Neuroimaging Evidence for a Role of Neural Social Stress Processing in Ethnic Minorityâ€Associated Environmental Risk. JAMA Psychiatry, 2014, 71, 672.	11.0	124
72	Testâ€retest reliability of fMRI-based graph theoretical properties during working memory, emotion processing, and resting state. NeuroImage, 2014, 84, 888-900.	4.2	211

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73	Replication of brain function effects of a genome-wide supported psychiatric risk variant in the CACNA1C gene and new multi-locus effects. <i>NeuroImage</i> , 2014, 94, 147-154.	4.2	32
74	Hippocampal and Frontolimbic Function as Intermediate Phenotype for Psychosis: Evidence from Healthy Relatives and a Common Risk Variant in CACNA1C. <i>Biological Psychiatry</i> , 2014, 76, 466-475.	1.3	57
75	Larger amygdala volume in first-degree relatives of patients with major depression. <i>NeuroImage: Clinical</i> , 2014, 5, 62-68.	2.7	57
76	Application of High-Frequency Repetitive Transcranial Magnetic Stimulation to the DLPFC Alters Human Prefrontal-Hippocampal Functional Interaction. <i>Journal of Neuroscience</i> , 2013, 33, 7050-7056.	3.6	78
77	Effects of the BDNF Val66Met Polymorphism on White Matter Microstructure in Healthy Adults. <i>Neuropsychopharmacology</i> , 2013, 38, 525-532.	5.4	52
78	Puzzling over schizophrenia: Schizophrenia, social environment and the brain. <i>Nature Medicine</i> , 2012, 18, 211-213.	30.7	53
79	Association of Leptin With Food Cue-Induced Activation in Human Reward Pathways. <i>Archives of General Psychiatry</i> , 2012, 69, 529.	12.3	87
80	Microstructure of a three-way anatomical network predicts individual differences in response inhibition: A tractography study. <i>NeuroImage</i> , 2012, 59, 1949-1959.	4.2	54
81	Brain connectivity in psychiatric imaging genetics. <i>NeuroImage</i> , 2012, 62, 2250-2260.	4.2	62
82	Test-retest reliability of evoked BOLD signals from a cognitive-emotive fMRI test battery. <i>NeuroImage</i> , 2012, 60, 1746-1758.	4.2	268
83	Neural mechanisms of social risk for psychiatric disorders. <i>Nature Neuroscience</i> , 2012, 15, 663-668.	14.8	276
84	City living and urban upbringing affect neural social stress processing in humans. <i>Nature</i> , 2011, 474, 498-501.	27.8	1,189
85	A New, Blue Gene Highlights Glutamate and Hippocampus in Depression. <i>Neuron</i> , 2011, 70, 171-172.	8.1	1
86	Prefrontal-temporal gray matter deficits in bipolar disorder patients with persecutory delusions. <i>Journal of Affective Disorders</i> , 2010, 120, 54-61.	4.1	56
87	Dopamine and psychosis: Theory, pathomechanisms and intermediate phenotypes. <i>Neuroscience and Biobehavioral Reviews</i> , 2010, 34, 689-700.	6.1	132
88	Acute D2 receptor blockade induces rapid, reversible remodeling in human cortical-striatal circuits. <i>Nature Neuroscience</i> , 2010, 13, 920-922.	14.8	152
89	A common allele in the oxytocin receptor gene ( <i>OXTR</i> ) impacts prosocial temperament and human hypothalamic-limbic structure and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13936-13941.	7.1	504
90	D2 Antidopaminergic Modulation of Frontal Lobe Function in Healthy Human Subjects. <i>Biological Psychiatry</i> , 2006, 60, 1196-1205.	1.3	37

#	ARTICLE	IF	CITATIONS
91	Time to go green?. , 0 , , .		3