

# 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	City living and urban upbringing affect neural social stress processing in humans. <i>Nature</i> , 2011, 474, 498-501.	27.8	1,189
2	Dynamic reconfiguration of frontal brain networks during executive cognition in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11678-11683.	7.1	651
3	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
4	Neural mechanisms of social risk for psychiatric disorders. <i>Nature Neuroscience</i> , 2012, 15, 663-668.	14.8	276
5	Test-retest reliability of evoked BOLD signals from a cognitive-emotive fMRI test battery. <i>NeuroImage</i> , 2012, 60, 1746-1758.	4.2	268
6	Environmental influence in the brain, human welfare and mental health. <i>Nature Neuroscience</i> , 2015, 18, 1421-1431.	14.8	234
7	Test-retest reliability of fMRI-based graph theoretical properties during working memory, emotion processing, and resting state. <i>NeuroImage</i> , 2014, 84, 888-900.	4.2	211
8	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
9	Dynamic brain network reconfiguration as a potential schizophrenia genetic risk mechanism modulated by NMDA receptor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12568-12573.	7.1	161
10	Acute D2 receptor blockade induces rapid, reversible remodeling in human cortical-striatal circuits. <i>Nature Neuroscience</i> , 2010, 13, 920-922.	14.8	152
11	From Maps to Multi-dimensional Network Mechanisms of Mental Disorders. <i>Neuron</i> , 2018, 97, 14-31.	8.1	146
12	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
13	Dopamine and psychosis: Theory, pathomechanisms and intermediate phenotypes. <i>Neuroscience and Biobehavioral Reviews</i> , 2010, 34, 689-700.	6.1	132
14	Brain Structure Correlates of Urban Upbringing, an Environmental Risk Factor for Schizophrenia. <i>Schizophrenia Bulletin</i> , 2015, 41, 115-122.	4.3	127
15	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017, 8, 27.	4.9	126
16	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
17	Neuroimaging Evidence for a Role of Neural Social Stress Processing in Ethnic Minority-Associated Environmental Risk. <i>JAMA Psychiatry</i> , 2014, 71, 672.	11.0	124
18	Amygdala habituation: A reliable fMRI phenotype. <i>NeuroImage</i> , 2014, 103, 383-390.	4.2	119

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19	Striatal Response to Reward Anticipation. <i>JAMA Psychiatry</i> , 2014, 71, 531.	11.0	96
20	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
21	Association of Leptin With Food Cue-Induced Activation in Human Reward Pathways. <i>Archives of General Psychiatry</i> , 2012, 69, 529.	12.3	87
22	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
23	Acute ketamine challenge increases resting state prefrontal-hippocampal connectivity in both humans and rats. <i>Psychopharmacology</i> , 2015, 232, 4231-4241.	3.1	76
24	Brain network dynamics during working memory are modulated by dopamine and diminished in schizophrenia. <i>Nature Communications</i> , 2021, 12, 3478.	12.8	69
25	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
26	Brain connectivity in psychiatric imaging genetics. <i>NeuroImage</i> , 2012, 62, 2250-2260.	4.2	62
27	Altered Functional Subnetwork During Emotional Face Processing. <i>JAMA Psychiatry</i> , 2016, 73, 598.	11.0	59
28	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
29	Larger amygdala volume in first-degree relatives of patients with major depression. <i>NeuroImage: Clinical</i> , 2014, 5, 62-68.	2.7	57
30	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
31	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
32	Puzzling over schizophrenia: Schizophrenia, social environment and the brain. <i>Nature Medicine</i> , 2012, 18, 211-213.	30.7	53
33	Effects of the BDNF Val66Met Polymorphism on White Matter Microstructure in Healthy Adults. <i>Neuropsychopharmacology</i> , 2013, 38, 525-532.	5.4	52
34	Hippocampal-Dorsolateral Prefrontal Coupling as a Species-Conserved Cognitive Mechanism: A Human Translational Imaging Study. <i>Neuropsychopharmacology</i> , 2015, 40, 1674-1681.	5.4	49
35	Association of a Reproducible Epigenetic Risk Profile for Schizophrenia With Brain Methylation and Function. <i>JAMA Psychiatry</i> , 2020, 77, 628.	11.0	46
36	Multiparametric mapping of white matter microstructure in catatonia. <i>Neuropsychopharmacology</i> , 2020, 45, 1750-1757.	5.4	44

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37	Neural Correlates of the Cortisol Awakening Response in Humans. <i>Neuropsychopharmacology</i> , 2015, 40, 2278-2285.	5.4	43
38	State-Dependent Cross-Brain Information Flow in Borderline Personality Disorder. <i>JAMA Psychiatry</i> , 2017, 74, 949.	11.0	43
39	Functional connectivity measures as schizophrenia intermediate phenotypes: advances, limitations, and future directions. <i>Current Opinion in Neurobiology</i> , 2016, 36, 7-14.	4.2	42
40	D2 Antidopaminergic Modulation of Frontal Lobe Function in Healthy Human Subjects. <i>Biological Psychiatry</i> , 2006, 60, 1196-1205.	1.3	37
41	Exercise versus Nonexercise Activity. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 763-773.	0.4	37
42	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
43	Bidirectional signal exchanges and their mechanisms during joint attention interaction – A hyperscanning fMRI study. <i>NeuroImage</i> , 2019, 198, 242-254.	4.2	36
44	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
45	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
46	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
47	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
48	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
49	Oleylethanolamide and Human Neural Responses to Food Stimuli in Obesity. <i>JAMA Psychiatry</i> , 2014, 71, 1254.	11.0	31
50	Neuroimaging and plasticity in schizophrenia. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 119-127.	0.7	29
51	Ketamine Suppresses the Ventral Striatal Response to Reward Anticipation: A Cross-Species Translational Neuroimaging Study. <i>Neuropsychopharmacology</i> , 2016, 41, 1386-1394.	5.4	28
52	Patterns of 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
53	Effects of Neuregulin 3 Genotype on Human Prefrontal Cortex Physiology. <i>Journal of Neuroscience</i> , 2014, 34, 1051-1056.	3.6	25
54	Cortical Surfaces Mediate the Relationship Between Polygenic Scores for Intelligence and General Intelligence. <i>Cerebral Cortex</i> , 2020, 30, 2708-2719.	2.9	24

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55	Generative network models of altered structural brain connectivity in schizophrenia. <i>NeuroImage</i> , 2021, 225, 117510.	4.2	24
56	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
57	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
58	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
59	Theory of mind network activity is altered in subjects with familial liability for schizophrenia. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 299-307.	3.0	18
60	Cortical surface-based threshold-free cluster enhancement and cortexwise mediation. <i>Human Brain Mapping</i> , 2017, 38, 2795-2807.	3.6	18
61	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
62	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
63	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
64	Ambulatory assessment for precision psychiatry: Foundations, current developments and future avenues. <i>Experimental Neurology</i> , 2021, 345, 113807.	4.1	16
65	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
66	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
67	Neuroimaging Intermediate Phenotypes of Executive Control Dysfunction in Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 218-229.	1.5	14
68	Resting-state brain network features associated with short-term skill learning ability in humans and the influence of <i>N</i> -methyl-D-aspartate receptor antagonism. <i>Network Neuroscience</i> , 2018, 2, 464-480.	2.6	14
69	MAOA-VNTR genotype affects structural and functional connectivity in distributed brain networks. <i>Human Brain Mapping</i> , 2019, 40, 5202-5212.	3.6	14
70	Literature Review Reveals a Global Access Inequity to Urban Green Spaces. <i>Sustainability</i> , 2022, 14, 1062.	3.2	13
71	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
72	A neurodevelopmental signature of parkinsonism in schizophrenia. <i>Schizophrenia Research</i> , 2021, 231, 54-60.	2.0	11

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73	Directed coupling in multi-brain networks underlies generalized synchrony during social exchange. <i>NeuroImage</i> , 2022, 252, 119038.	4.2	10
74	No association between cardiometabolic risk and neural reactivity to acute psychosocial stress. <i>NeuroImage: Clinical</i> , 2018, 20, 1115-1122.	2.7	8
75	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
76	Identification of Reproducible BCL11A Alterations in Schizophrenia Through Individual-Level Prediction of Coexpression. <i>Schizophrenia Bulletin</i> , 2020, 46, 1165-1171.	4.3	8
77	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
78	Neural network-based alterations during repetitive heat pain stimulation in major depression. <i>European Neuropsychopharmacology</i> , 2019, 29, 1033-1040.	0.7	7
79	Identifying multimodal signatures underlying the somatic comorbidity of psychosis: the COMMITMENT roadmap. <i>Molecular Psychiatry</i> , 2021, 26, 722-724.	7.9	7
80	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
81	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
82	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
83	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
84	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
85	Cortical morphology and illness insight in patients with schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, , 1.	3.2	4
86	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
87	Time to go green?. , 0, , .		3
88	A New, Blue Gene Highlights Glutamate and Hippocampus in Depression. <i>Neuron</i> , 2011, 70, 171-172.	8.1	1
89	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
90	Hyper-Coordinated DNA Methylation is Altered in Schizophrenia and Associated with Brain Function. <i>Schizophrenia Bulletin Open</i> , 2021, 2, .	1.7	0

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91	Translational medicine in psychiatry: challenges and imaging biomarkers. , 2021, , 203-223.		0