Heike Tost

List of Publications by Citations

89 papers	4,929 citations	34 h-index	70 g-index
94 ext. papers	6,236 ext. citations	8.4 avg, IF	5.48 L-index

#	Paper	IF	Citations
89	City living and urban upbringing affect neural social stress processing in humans. *Nature*, **2011**, 474, 498-501	38.1	902
88	A common allele in the oxytocin receptor gene (OXTR) impacts prosocial temperament and human hypothalamic-limbic structure and function. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13936-41	11.5	428
87	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, 11678-83	11.5	427
86	Neural mechanisms of social risk for psychiatric disorders. *Nature Neuroscience*, **2012**, 15, 663-8	25.5	229
85	Test-retest reliability of evoked BOLD signals from a cognitive-emotive fMRI test battery. *NeuroImage*, **2012**, 60, 1746-58	7.9	216
84	Test-retest reliability of fMRI-based graph theoretical properties during working memory, emotion processing, and resting state. *NeuroImage*, **2014**, 84, 888-900	7.9	168
83	Environmental influence in the brain, human welfare and mental health. *Nature Neuroscience*, **2015**, 18, 1421-31	25.5	153
82	Acute D2 receptor blockade induces rapid, reversible remodeling in human cortical-striatal circuits. *Nature Neuroscience*, **2010**, 13, 920-2	25.5	133
81	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	11.5	109
80	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. *Molecular Autism*, **2017**, 8, 24	6.5	106
79	Brain structure correlates of urban upbringing, an environmental risk factor for schizophrenia. *Schizophrenia Bulletin*, **2015**, 41, 115-22	1.3	97
78	Dopamine and psychosis: theory, pathomechanisms and intermediate phenotypes. *Neuroscience and Biobehavioral Reviews*, **2010**, 34, 689-700	9	94
77	Neuroimaging evidence for a role of neural social stress processing in ethnic minority-associated environmental risk. *JAMA Psychiatry*, **2014**, 71, 672-80	14.5	92
76	Amygdala habituation: a reliable fMRI phenotype. *NeuroImage*, **2014**, 103, 383-390	7.9	88
75	From Maps to Multi-dimensional Network Mechanisms of Mental Disorders. *Neuron*, **2018**, 97, 14-31	13.9	84
74	Association of leptin with food cue-induced activation in human reward pathways. *Archives of General Psychiatry*, **2012**, 69, 529-37		76
73	Striatal response to reward anticipation: evidence for a systems-level intermediate phenotype for schizophrenia. *JAMA Psychiatry*, **2014**, 71, 531-9	14.5	74

72	Addiction Research Consortium: Losing and regaining control over drug intake (ReCoDe)-From trajectories to mechanisms and interventions. *Addiction Biology*, **2020**, 25, e12866	4.6	70
71	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. *Molecular Autism*, **2017**, 8, 27	6.5	69
70	Acute ketamine challenge increases resting state prefrontal-hippocampal connectivity in both humans and rats. *Psychopharmacology*, **2015**, 232, 4231-41	4.7	64
69	Application of high-frequency repetitive transcranial magnetic stimulation to the DLPFC alters human prefrontal-hippocampal functional interaction. *Journal of Neuroscience*, **2013**, 33, 7050-6	6.6	64
68	Neural correlates of individual differences in affective benefit of real-life urban green space exposure. *Nature Neuroscience*, **2019**, 22, 1389-1393	25.5	55
67	Brain connectivity in psychiatric imaging genetics. *NeuroImage*, **2012**, 62, 2250-60	7.9	52
66	Hippocampal and frontolimbic function as intermediate phenotype for psychosis: evidence from healthy relatives and a common risk variant in CACNA1C. *Biological Psychiatry*, **2014**, 76, 466-75	7.9	48
65	Effects of the BDNF Val66Met polymorphism on white matter microstructure in healthy adults. *Neuropsychopharmacology*, **2013**, 38, 525-32	8.7	48
64	Prefrontal-temporal gray matter deficits in bipolar disorder patients with persecutory delusions. *Journal of Affective Disorders*, **2010**, 120, 54-61	6.6	47
63	Microstructure of a three-way anatomical network predicts individual differences in response inhibition: a tractography study. *NeuroImage*, **2012**, 59, 1949-59	7.9	46
62	Fast sleep spindle reduction in schizophrenia and healthy first-degree relatives: association with impaired cognitive function and potential intermediate phenotype. *European Archives of Psychiatry and Clinical Neuroscience*, **2017**, 267, 213-224	5.1	44
61	Hippocampal-dorsolateral prefrontal coupling as a species-conserved cognitive mechanism: a human translational imaging study. *Neuropsychopharmacology*, **2015**, 40, 1674-81	8.7	42
60	Larger amygdala volume in first-degree relatives of patients with major depression. *NeuroImage: Clinical*, **2014**, 5, 62-8	5.3	41
59	Resilience and the brain: a key role for regulatory circuits linked to social stress and support. *Molecular Psychiatry*, **2020**, 25, 379-396	15.1	41
58	Puzzling over schizophrenia: schizophrenia, social environment and the brain. *Nature Medicine*, **2012**, 18, 211-3	50.5	39
57	Altered Functional Subnetwork During Emotional Face Processing: A Potential Intermediate Phenotype for Schizophrenia. *JAMA Psychiatry*, **2016**, 73, 598-605	14.5	38
56	Neural Correlates of the Cortisol Awakening Response in Humans. *Neuropsychopharmacology*, **2015** , 40, 2278-85	8.7	35
55	Functional connectivity measures as schizophrenia intermediate phenotypes: advances, limitations, and future directions. *Current Opinion in Neurobiology*, **2016**, 36, 7-14	7.6	31

54	State-Dependent Cross-Brain Information Flow in Borderline Personality Disorder. *JAMA Psychiatry*, **2017**, 74, 949-957	14.5	31
53	D2 antidopaminergic modulation of frontal lobe function in healthy human subjects. *Biological Psychiatry*, **2006**, 60, 1196-205	7.9	31
52	Replication of brain function effects of a genome-wide supported psychiatric risk variant in the CACNA1C gene and new multi-locus effects. *NeuroImage*, **2014**, 94, 147-154	7.9	28
51	Oleoylethanolamide and human neural responses to food stimuli in obesity. *JAMA Psychiatry*, **2014**, 71, 1254-61	14.5	28
50	Working memory genetics in schizophrenia and related disorders: An RDoC perspective. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2016**, 171B, 121-31	3.5	28
49	Exercise versus Nonexercise Activity: E-diaries Unravel Distinct Effects on Mood. *Medicine and Science in Sports and Exercise*, **2017**, 49, 763-773	1.2	26
48	Neuroimaging and plasticity in schizophrenia. *Restorative Neurology and Neuroscience*, **2014**, 32, 119-27	2.8	26
47	Altered DLPFC-Hippocampus Connectivity During Working Memory: Independent Replication and Disorder Specificity of a Putative Genetic Risk Phenotype for Schizophrenia. *Schizophrenia Bulletin*, **2017**, 43, 1114-1122	1.3	21
46	Studying the impact of built environments on human mental health in everyday life: methodological developments, state-of-the-art and technological frontiers. *Current Opinion in Psychology*, **2020**, 32, 158-164	6.2	20
45	Reproducible grey matter patterns index a multivariate, global alteration of brain structure in schizophrenia and bipolar disorder. *Translational Psychiatry*, **2019**, 9, 12	8.6	19
44	Association of a Reproducible Epigenetic Risk Profile for Schizophrenia With Brain Methylation and Function. *JAMA Psychiatry*, **2020**, 77, 628-636	14.5	19
43	Effects of neuregulin 3 genotype on human prefrontal cortex physiology. *Journal of Neuroscience*, **2014**, 34, 1051-6	6.6	19
42	Deficient Amygdala Habituation to Threatening Stimuli in Borderline Personality Disorder Relates to Adverse Childhood Experiences. *Biological Psychiatry*, **2019**, 86, 930-938	7.9	18
41	Ketamine Suppresses the Ventral Striatal Response to Reward Anticipation: A Cross-Species Translational Neuroimaging Study. *Neuropsychopharmacology*, **2016**, 41, 1386-94	8.7	18
40	Bidirectional signal exchanges and their mechanisms during joint attention interaction - A hyperscanning fMRI study. *NeuroImage*, **2019**, 198, 242-254	7.9	17
39	Patterns of co-altered brain structure and function underlying neurological soft signs in schizophrenia spectrum disorders. *Human Brain Mapping*, **2019**, 40, 5029-5041	5.9	17
38	The 5-HTTLPR Polymorphism Affects Network-Based Functional Connectivity in the Visual-Limbic System in Healthy Adults. *Neuropsychopharmacology*, **2018**, 43, 406-414	8.7	16
37	Theory of mind network activity is altered in subjects with familial liability for schizophrenia. *Social Cognitive and Affective Neuroscience*, **2016**, 11, 299-307	4	12

36	A Neural Signature of Parkinsonism in Patients With Schizophrenia Spectrum Disorders: A Multimodal MRI Study Using Parallel ICA. *Schizophrenia Bulletin*, **2020**, 46, 999-1008	1.3	12
35	Mood Dimensions Show Distinct Within-Subject Associations With Non-exercise Activity in Adolescents: An Ambulatory Assessment Study. *Frontiers in Psychology*, **2018**, 9, 268	3.4	12
34	Novelty modulates human striatal activation and prefrontal-striatal effective connectivity during working memory encoding. *Brain Structure and Function*, **2018**, 223, 3121-3132	4	12
33	Brain network dynamics during working memory are modulated by dopamine and diminished in schizophrenia. *Nature Communications*, **2021**, 12, 3478	17.4	12
32	Sex-Dependent Association of Perigenual Anterior Cingulate Cortex Volume and Migration Background, an Environmental Risk Factor for Schizophrenia. *Schizophrenia Bulletin*, **2017**, 43, 925-934	1.3	12
31	A comparison of temporal and location-based sampling strategies for global positioning system-triggered electronic diaries. *Geospatial Health*, **2016**, 11, 473	2.2	11
30	Multiparametric mapping of white matter microstructure in catatonia. *Neuropsychopharmacology*, **2020**, 45, 1750-1757	8.7	11
29	Cortical surface-based threshold-free cluster enhancement and cortexwise mediation. *Human Brain Mapping*, **2017**, 38, 2795-2807	5.9	10
28	Neuroimaging Intermediate Phenotypes of Executive Control Dysfunction in Schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2016**, 1, 218-229	3.4	9
27	MAOA-VNTR genotype affects structural and functional connectivity in distributed brain networks. *Human Brain Mapping*, **2019**, 40, 5202-5212	5.9	8
26	Brain state stability during working memory is explained by network control theory, modulated by dopamine D1/D2 receptor function, and diminished in schizophrenia		8
25	Data-Driven Approaches to Neuroimaging Analysis to Enhance Psychiatric Diagnosis and Therapy. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2020**, 5, 780-790	3.4	8
24	Cortical Surfaces Mediate the Relationship Between Polygenic Scores for Intelligence and General Intelligence. *Cerebral Cortex*, **2020**, 30, 2707-2718	5.1	8
23	A neural mechanism for affective well-being: Subgenual cingulate cortex mediates real-life effects of nonexercise activity on energy. *Science Advances*, **2020**, 6,	14.3	6
22	Resting-state brain network features associated with short-term skill learning ability in humans and the influence of -methyl-d-aspartate receptor antagonism. *Network Neuroscience*, **2018**, 2, 464-480	5.6	6
21	The influence of MIR137 on white matter fractional anisotropy and cortical surface area in individuals with familial risk for psychosis. *Schizophrenia Research*, **2018**, 195, 190-196	3.6	5
20	Identification of Reproducible BCL11A Alterations in Schizophrenia Through Individual-Level Prediction of Coexpression. *Schizophrenia Bulletin*, **2020**,	1.3	5
19	Relationships between incidental physical activity, exercise, and sports with subsequent mood in adolescents. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 2234-2250	4.6	5

18	A neurodevelopmental signature of parkinsonism in schizophrenia. *Schizophrenia Research*, **2021**, 231, 54-60	3.6	5
17	Neural responses to social evaluative threat in the absence of negative investigator feedback and provoked performance failures. *Human Brain Mapping*, **2020**, 41, 2092-2103	5.9	3
16	Neural network-based alterations during repetitive heat pain stimulation in major depression. *European Neuropsychopharmacology*, **2019**, 29, 1033-1040	1.2	3
15	No association between cardiometabolic risk and neural reactivity to acute psychosocial stress. *NeuroImage: Clinical*, **2018**, 20, 1115-1122	5.3	3
14	Structural alterations in brainstem, basal ganglia and thalamus associated with parkinsonism in schizophrenia spectrum disorders. *European Archives of Psychiatry and Clinical Neuroscience*, **2021**, 271, 1455-1464	5.1	2
13	Generative network models of altered structural brain connectivity in schizophrenia. *NeuroImage*, **2021**, 225, 117510	7.9	2
12	White matter microstructure alterations in cortico-striatal networks are associated with parkinsonism in schizophrenia spectrum disorders. *European Neuropsychopharmacology*, **2021**, 50, 64-74	1.2	2
11	Directed coupling in multi-brain networks underlies generalized synchrony during social exchange.. *NeuroImage*, **2022**, 119038	7.9	2
10	A new, blue gene highlights glutamate and hippocampus in depression. *Neuron*, **2011**, 70, 171-2	13.9	1
9	Literature Review Reveals a Global Access Inequity to Urban Green Spaces. *Sustainability*, **2022**, 14, 1062	3.6	0
8	Real-time individual benefit from social interactions before and during the lockdown: the crucial role of personality, neurobiology and genes.. *Translational Psychiatry*, **2022**, 12, 28	8.6	0
7	Brain structural correlates of upward social mobility in ethnic minority individuals. *Social Psychiatry and Psychiatric Epidemiology*, **2021**, 1	4.5	0
6	Cortical morphology and illness insight in patients with schizophrenia. *European Archives of Psychiatry and Clinical Neuroscience*, **2021**, 1	5.1	0
5	Ambulatory assessment for precision psychiatry: Foundations, current developments and future avenues. *Experimental Neurology*, **2021**, 345, 113807	5.7	0
4	Mobile Data Collection of Cognitive-Behavioral Tasks in Substance Use Disorders: Where Are We Now?. *Neuropsychobiology*, **2022**, 1-13	4	0
3	Effective connectivity during face processing in major depression - distinguishing markers of pathology, risk, and resilience.. *Psychological Medicine*, **2022**, 1-13	6.9	0
2	The association of stress and physical activity: Mind the ecological fallacy. *German Journal of Exercise and Sport Research*, **2022**, 52, 282	1.2	0
1	Translational medicine in psychiatry: challenges and imaging biomarkers **2021**, 203-223		