

# Tobias U Hauser

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74  
papers

2,448  
citations

27  
h-index

48  
g-index

88  
ext. papers

3,482  
ext. citations

7.8  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
74	A checklist for assessing the methodological quality of concurrent tES-fMRI studies (ContES checklist): a consensus study and statement.. <i>Nature Protocols</i> , <b>2022</b> ,	18.8	1
73	Assigning the right credit to the wrong action: compulsivity in the general population is associated with augmented outcome-irrelevant value-based learning. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 564	8.6	
72	Children perform extensive information gathering when it is not costly. <i>Cognition</i> , <b>2021</b> , 208, 104535	3.5	2
71	I know better! Emerging metacognition allows adolescents to ignore false advice. <i>Developmental Science</i> , <b>2021</b> , 24, e13101	4.5	7
70	White matter microstructure and its relation to clinical features of obsessive-compulsive disorder: findings from the ENIGMA OCD Working Group. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 173	8.6	11
69	Obsessive-compulsive symptoms and information seeking during the Covid-19 pandemic. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 309	8.6	8
68	Preference uncertainty accounts for developmental effects on susceptibility to peer influence in adolescence. <i>Nature Communications</i> , <b>2021</b> , 12, 3823	17.4	1
67	Decision-making ability, psychopathology, and brain connectivity. <i>Neuron</i> , <b>2021</b> , 109, 2025-2040.e7	13.9	4
66	Reliability of web-based affective auditory stimulus presentation. <i>Behavior Research Methods</i> , <b>2021</b> , 1	6.1	2
65	Human complex exploration strategies are enriched by noradrenaline-modulated heuristics. <i>ELife</i> , <b>2021</b> , 10,	8.9	6
64	Social training reconfigures prediction errors to shape Self-Other boundaries. <i>Nature Communications</i> , <b>2020</b> , 11, 3030	17.4	2
63	Bringing Development Into the Equation. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2020</b> , 5, 935-936	3.4	
62	The value of what's to come: Neural mechanisms coupling prediction error and the utility of anticipation. <i>Science Advances</i> , <b>2020</b> , 6, eaba3828	14.3	20
61	Conservative and disruptive modes of adolescent change in human brain functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 3248-3253	11.5	52
60	Beyond a Cognitive Dichotomy: Can Multiple Decision Systems Prove Useful to Distinguish Compulsive and Impulsive Symptom Dimensions?. <i>Biological Psychiatry</i> , <b>2020</b> , 88, e49-e51	7.9	5
59	Towards a computational psychiatry of juvenile obsessive-compulsive disorder. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 118, 631-642	9	3
58	Confidence drives a neural confirmation bias. <i>Nature Communications</i> , <b>2020</b> , 11, 2634	17.4	34

57	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brain-Behavior Relationships. <i>Biological Psychiatry</i> , <b>2020</b> , 87, 368-376	7.9	11
56	Structural neuroimaging biomarkers for obsessive-compulsive disorder in the ENIGMA-OCD consortium: medication matters. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 342	8.6	11
55	Compulsivity is linked to reduced adolescent development of goal-directed control and frontostriatal functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 25911-25922	11.5	9
54	Mapping Cortical and Subcortical Asymmetry in Obsessive-Compulsive Disorder: Findings From the ENIGMA Consortium. <i>Biological Psychiatry</i> , <b>2020</b> , 87, 1022-1034	7.9	34
53	Distinct Processing of Aversive Experience in Amygdala Subregions. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2020</b> , 5, 291-300	3.4	18
52	The role of dopamine in dynamic effort-reward integration. <i>Neuropsychopharmacology</i> , <b>2020</b> , 45, 1448-1453	5.3	7
51	Childhood socio-economic disadvantage predicts reduced myelin growth across adolescence and young adulthood. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 3392-3402	5.9	16
50	Endogenous fluctuations in the dopaminergic midbrain drive behavioral choice variability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18732-18737	11.5	16
49	Compulsivity and impulsivity traits linked to attenuated developmental frontostriatal myelination trajectories. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 992-999	25.5	51
48	Fractionation of impulsive and compulsive trans-diagnostic phenotypes and their longitudinal associations. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2019</b> , 53, 896-907	2.6	21
47	Distinct Roles of Dopamine and Noradrenaline in Incidental Memory. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 7715-7721	6.6	9
46	Computational mechanisms of curiosity and goal-directed exploration. <i>ELife</i> , <b>2019</b> , 8,	8.9	61
45	Author response: Computational mechanisms of curiosity and goal-directed exploration <b>2019</b> ,		2
44	Improving the reliability of model-based decision-making estimates in the two-stage decision task with reaction-times and drift-diffusion modeling. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1006803	5	49
43	Credit assignment to state-independent task representations and its relationship with model-based decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15871-15876	11.5	23
42	Annual Research Review: Developmental computational psychiatry. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , <b>2019</b> , 60, 412-426	7.9	19
41	Beta-Blocker Propranolol Modulates Decision Urgency During Sequential Information Gathering. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 7170-7178	6.6	18
40	Computation in Psychotherapy, or How Computational Psychiatry Can Aid Learning-Based Psychological Therapies. <i>Computational Psychiatry</i> , <b>2018</b> , 2, 50-73	3.8	27

39	Cortical Abnormalities Associated With Pediatric and Adult Obsessive-Compulsive Disorder: Findings From the ENIGMA Obsessive-Compulsive Disorder Working Group. <i>American Journal of Psychiatry</i> , <b>2018</b> , 175, 453-462	11.9	117
38	Increased decision thresholds enhance information gathering performance in juvenile Obsessive-Compulsive Disorder (OCD). <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005440	5	37
37	Metacognitive impairments extend perceptual decision making weaknesses in compulsivity. <i>Scientific Reports</i> , <b>2017</b> , 7, 6614	4.9	40
36	Separate mesocortical and mesolimbic pathways encode effort and reward learning signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E7395-E7404	11.5	62
35	The PhysIO Toolbox for Modeling Physiological Noise in fMRI Data. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 276, 56-72	3	135
34	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 1497-1514	4.1	87
33	Increased decision thresholds trigger extended information gathering across the compulsivity spectrum. <i>Translational Psychiatry</i> , <b>2017</b> , 7, 1296	8.6	29
32	Noradrenaline blockade specifically enhances metacognitive performance. <i>ELife</i> , <b>2017</b> , 6,	8.9	44
31	Neural Mechanisms of Harm-Avoidance Learning: A Model for Obsessive-Compulsive Disorder?. <i>JAMA Psychiatry</i> , <b>2016</b> , 73, 1196-1197	14.5	18
30	Adolescence is associated with genomically patterned consolidation of the hubs of the human brain connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9105-10	11.5	255
29	Neurocognitive Effects of Transcranial Direct Current Stimulation in Arithmetic Learning and Performance: A Simultaneous tDCS-fMRI Study. <i>Brain Stimulation</i> , <b>2016</b> , 9, 850-858	5.1	22
28	Unexpected arousal modulates the influence of sensory noise on confidence. <i>ELife</i> , <b>2016</b> , 5,	8.9	99
27	Author response: Unexpected arousal modulates the influence of sensory noise on confidence <b>2016</b> ,		4
26	Learning in Development and Education – A Mechanistic Understanding Is Needed. <i>Zeitschrift Fur Psychologie / Journal of Psychology</i> , <b>2016</b> , 224, 307-308	1.8	1
25	Computational Psychiatry of ADHD: Neural Gain Impairments across Marrian Levels of Analysis. <i>Trends in Neurosciences</i> , <b>2016</b> , 39, 63-73	13.3	64
24	Striatal structure and function predict individual biases in learning to avoid pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 4812-7	11.5	45
23	Classifying adolescent attention-deficit/hyperactivity disorder (ADHD) based on functional and structural imaging. <i>European Child and Adolescent Psychiatry</i> , <b>2015</b> , 24, 1279-89	5.5	36
22	Temporally Dissociable Contributions of Human Medial Prefrontal Subregions to Reward-Guided Learning. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 11209-20	6.6	28

21	Transcranial direct current stimulation of the posterior parietal cortex modulates arithmetic learning. <i>European Journal of Neuroscience</i> , <b>2015</b> , 42, 1667-74	3.5	24
20	When problem size matters: differential effects of brain stimulation on arithmetic problem solving and neural oscillations. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120665	3.7	20
19	Cognitive flexibility in adolescence: neural and behavioral mechanisms of reward prediction error processing in adaptive decision making during development. <i>NeuroImage</i> , <b>2015</b> , 104, 347-54	7.9	91
18	Conflict monitoring and error processing: new insights from simultaneous EEG-fMRI. <i>NeuroImage</i> , <b>2015</b> , 105, 395-407	7.9	115
17	Imaging genetics in obsessive-compulsive disorder: linking genetic variations to alterations in neuroimaging. <i>Progress in Neurobiology</i> , <b>2014</b> , 121, 114-24	10.9	26
16	Role of the medial prefrontal cortex in impaired decision making in juvenile attention-deficit/hyperactivity disorder. <i>JAMA Psychiatry</i> , <b>2014</b> , 71, 1165-73	14.5	88
15	The feedback-related negativity (FRN) revisited: new insights into the localization, meaning and network organization. <i>NeuroImage</i> , <b>2014</b> , 84, 159-68	7.9	261
14	Wie biologisch sind Zwangsstörungen?. <i>Kindheit Und Entwicklung (discontinued)</i> , <b>2014</b> , 23, 75-85	0.3	5
13	Enhancing performance in numerical magnitude processing and mental arithmetic using transcranial Direct Current Stimulation (tDCS). <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 244	3.3	55
12	Neuroimaging of cognitive brain function in paediatric obsessive compulsive disorder: a review of literature and preliminary meta-analysis. <i>Journal of Neural Transmission</i> , <b>2012</b> , 119, 1425-48	4.3	52
11	Do propranolol and amisulpride modulate confidence in risk-taking?. <i>Wellcome Open Research</i> , <b>7</b> , 23	4.8	
10	Computational and Behavioral Markers of Model-based Decision Making in Childhood		3
9	I know better! Emerging metacognition allows adolescents to ignore false advice		2
8	Metacognitive impairments extend perceptual decision making weaknesses in compulsivity		1
7	A Selective Increase in OC Symptoms is Driving Information Seeking and Guideline Adherence During the Covid-19 Pandemic		2
6	Noradrenaline modulates decision urgency during sequential information gathering		2
5	Compulsivity and impulsivity are linked to distinct aberrant developmental trajectories of fronto-striatal myelination		4
4	Computational mechanisms of curiosity and goal-directed exploration		2

3	The value of what's to come: neural mechanisms coupling prediction error and reward anticipation	4
2	Childhood socio-economic disadvantage predicts reduced myelin growth across adolescence and young adulthood	2
1	White Matter Microstructure and its Relation to Clinical Features of Obsessive-Compulsive Disorder: Findings from the ENIGMA OCD Working Group	5