

Tobias H Donner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6012999/publications.pdf>

Version: 2024-02-01

64
papers

7,397
citations

134610

34
h-index

156644

58
g-index

96
all docs

96
docs citations

96
times ranked

8069
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional magnetic resonance imaging responses during perceptual decision-making at 3 and 7Â° in human cortex, striatum, and brainstem. <i>Human Brain Mapping</i> , 2022, 43, 1265-1279.	1.9	11
2	Coupling of pupil- and neuronal population dynamics reveals diverse influences of arousal on cortical processing. <i>ELife</i> , 2022, 11, .	2.8	29
3	Dynamic expressions of confidence within an evidence accumulation framework. <i>Cognition</i> , 2021, 207, 104522.	1.1	28
4	Decision making: How the past guides the future in the frontal cortex. <i>Current Biology</i> , 2021, 31, R303-R306.	1.8	3
5	Adaptive circuit dynamics across human cortex during evidence accumulation in changing environments. <i>Nature Neuroscience</i> , 2021, 24, 987-997.	7.1	43
6	Pupil Dilation and the Slow Wave ERP Reflect Surprise about Choice Outcome Resulting from Intrinsic Variability in Decision Confidence. <i>Cerebral Cortex</i> , 2021, 31, 3565-3578.	1.6	18
7	Choices change the temporal weighting of decision evidence. <i>Journal of Neurophysiology</i> , 2021, 125, 1468-1481.	0.9	12
8	Circuit mechanisms for the chemical modulation of cortex-wide network interactions and behavioral variability. <i>Science Advances</i> , 2021, 7, .	4.7	31
9	Large-scale dynamics of perceptual decision information across human cortex. <i>Nature Communications</i> , 2020, 11, 5109.	5.8	35
10	Post-training Load-Related Changes of Auditory Working Memory – An EEG Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 72.	1.0	2
11	Reinforcement biases subsequent perceptual decisions when confidence is low, a widespread behavioral phenomenon. <i>ELife</i> , 2020, 9, .	2.8	71
12	Pupil-linked phasic arousal predicts a reduction of choice bias across species and decision domains. <i>ELife</i> , 2020, 9, .	2.8	61
13	The Relationship between Trial-by-Trial Variability and Oscillations of Cortical Population Activity. <i>Scientific Reports</i> , 2019, 9, 16901.	1.6	13
14	Thalamus exhibits less sensory variability quenching than cortex. <i>Scientific Reports</i> , 2019, 9, 7590.	1.6	8
15	Confidence predicts speed-accuracy tradeoff for subsequent decisions. <i>ELife</i> , 2019, 8, .	2.8	62
16	Choice history biases subsequent evidence accumulation. <i>ELife</i> , 2019, 8, .	2.8	132
17	GABAergic Competition Boosts the Irrationality of Protracted Decisions. , 2019, , .		0
18	Our own choices generate biases for subsequent decisions. <i>TheScienceBreaker</i> , 2019, 05, .	0.0	0

#	ARTICLE	IF	CITATIONS
19	Adaptive History Biases Result from Confidence-Weighted Accumulation of past Choices. <i>Journal of Neuroscience</i> , 2018, 38, 2418-2429.	1.7	112
20	Task-evoked pupil responses reflect internal belief states. <i>Scientific Reports</i> , 2018, 8, 13702.	1.6	34
21	Confirmation Bias through Selective Overweighting of Choice-Consistent Evidence. <i>Current Biology</i> , 2018, 28, 3128-3135.e8.	1.8	115
22	Amplification and Suppression of Distinct Brainwide Activity Patterns by Catecholamines. <i>Journal of Neuroscience</i> , 2018, 38, 7476-7491.	1.7	26
23	Surprise About Sensory Event Timing Drives Cortical Transients in the Beta Frequency Band. <i>Journal of Neuroscience</i> , 2018, 38, 7600-7610.	1.7	6
24	Reading memory formation from the eyes. <i>European Journal of Neuroscience</i> , 2018, 47, 1525-1533.	1.2	19
25	Catecholamines alter the intrinsic variability of cortical population activity and perception. <i>PLoS Biology</i> , 2018, 16, e2003453.	2.6	64
26	L'impact instantané de la confiance sur la prise de décision. <i>Nature</i> , 2018, N° 101, 34-41.		0
27	Pupil-linked arousal is driven by decision uncertainty and alters serial choice bias. <i>Nature Communications</i> , 2017, 8, 14637.	5.8	303
28	Multiple Transient Signals in Human Visual Cortex Associated with an Elementary Decision. <i>Journal of Neuroscience</i> , 2017, 37, 5744-5757.	1.7	24
29	Dynamic modulation of decision biases by brainstem arousal systems. <i>ELife</i> , 2017, 6, .	2.8	218
30	Catecholaminergic Neuromodulation Shapes Intrinsic MRI Functional Connectivity in the Human Brain. <i>Journal of Neuroscience</i> , 2016, 36, 7865-7876.	1.7	75
31	The Relationship between Perceptual Decision Variables and Confidence in the Human Brain. <i>Cerebral Cortex</i> , 2016, 26, 118-130.	1.6	117
32	Perceptual choice boosts network stability: effect of neuromodulation?. <i>Trends in Cognitive Sciences</i> , 2015, 19, 362-364.	4.0	9
33	Top-down modulation in human visual cortex predicts the stability of a perceptual illusion. <i>Journal of Neurophysiology</i> , 2015, 113, 1063-1076.	0.9	66
34	Pupil size tracks perceptual content and surprise. <i>European Journal of Neuroscience</i> , 2015, 41, 1068-1078.	1.2	122
35	Action Planning and the Timescale of Evidence Accumulation. <i>PLoS ONE</i> , 2015, 10, e0129473.	1.1	19
36	Motion-Induced Blindness and Troxler Fading: Common and Different Mechanisms. <i>PLoS ONE</i> , 2014, 9, e92894.	1.1	35

#	ARTICLE	IF	CITATIONS
37	Decision-related pupil dilation reflects upcoming choice and individual bias. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E618-25.	3.3	297
38	Brain-wide gain modulation: the rich get richer. Nature Neuroscience, 2013, 16, 989-990.	7.1	15
39	GABA Shapes the Dynamics of Bistable Perception. Current Biology, 2013, 23, 823-827.	1.8	176
40	Retinotopic Patterns of Correlated Fluctuations in Visual Cortex Reflect the Dynamics of Spontaneous Perceptual Suppression. Journal of Neuroscience, 2013, 33, 2188-2198.	1.7	36
41	The Timescale of Perceptual Evidence Integration Can Be Adapted to the Environment. Current Biology, 2013, 23, 981-986.	1.8	141
42	Midfrontal conflict-related theta-band power reflects neural oscillations that predict behavior. Journal of Neurophysiology, 2013, 110, 2752-2763.	0.9	362
43	Prestimulus Oscillatory Activity over Motor Cortex Reflects Perceptual Expectations. Journal of Neuroscience, 2013, 33, 1400-1410.	1.7	226
44	Slow Cortical Dynamics and the Accumulation of Information over Long Timescales. Neuron, 2012, 76, 423-434.	3.8	470
45	Spectral fingerprints of large-scale neuronal interactions. Nature Reviews Neuroscience, 2012, 13, 121-134.	4.9	1,122
46	Human visual and parietal cortex encode visual choices independent of motor plans. NeuroImage, 2012, 63, 1393-1403.	2.1	59
47	A framework for local cortical oscillation patterns. Trends in Cognitive Sciences, 2011, 15, 191-199.	4.0	405
48	Inter-area correlations in the ventral visual pathway reflect feature integration. Journal of Vision, 2011, 11, 15-15.	0.1	41
49	Cortical Network Dynamics of Perceptual Decision-Making in the Human Brain. Frontiers in Human Neuroscience, 2011, 5, 21.	1.0	136
50	The visual attention network untangled. Nature Neuroscience, 2011, 14, 542-543.	7.1	5
51	Motion-induced blindness and microsaccades: Cause and effect. Journal of Vision, 2010, 10, 22-22.	0.1	42
52	4.1 Linking Band-Limited Cortical Activity to fMRI and Behavior. , 2010, , 271-294.		11
53	Buildup of Choice-Predictive Activity in Human Motor Cortex during Perceptual Decision Making. Current Biology, 2009, 19, 1581-1585.	1.8	434
54	Neuronal Synchronization along the Dorsal Visual Pathway Reflects the Focus of Spatial Attention. Neuron, 2008, 60, 709-719.	3.8	448

#	ARTICLE	IF	CITATIONS
55	Opposite Neural Signatures of Motion-Induced Blindness in Human Dorsal and Ventral Visual Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 10298-10310.	1.7	99
56	High-Frequency Activity in Human Visual Cortex Is Modulated by Visual Motion Strength. <i>Cerebral Cortex</i> , 2007, 17, 732-741.	1.6	131
57	Population Activity in the Human Dorsal Pathway Predicts the Accuracy of Visual Motion Detection. <i>Journal of Neurophysiology</i> , 2007, 98, 345-359.	0.9	141
58	Perceptual grouping based on temporal structure: Impact of subliminal flicker and visual transients. <i>Visual Cognition</i> , 2006, 13, 481-502.	0.9	6
59	Differential Contribution of Early Visual Areas to the Perceptual Process of Contour Processing. <i>Journal of Neurophysiology</i> , 2004, 91, 1716-1721.	0.9	42
60	The functional neuroanatomy of visual conjunction search: a parametric fMRI study. <i>NeuroImage</i> , 2003, 20, 1578-1590.	2.1	57
61	Parietal activation during visual search in the absence of multiple distractors. <i>NeuroReport</i> , 2003, 14, 2257-2261.	0.6	21
62	A Physiological Correlate of the "Zoom Lens" of Visual Attention. <i>Journal of Neuroscience</i> , 2003, 23, 3561-3565.	1.7	193
63	Visual Feature and Conjunction Searches of Equal Difficulty Engage Only Partially Overlapping Frontoparietal Networks. <i>NeuroImage</i> , 2002, 15, 16-25.	2.1	153
64	Involvement of the human frontal eye field and multiple parietal areas in covert visual selection during conjunction search. <i>European Journal of Neuroscience</i> , 2000, 12, 3407-3414.	1.2	132