

# Dirk Ostwald

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,548  
citations

394390

19  
h-index

454934

30  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2437  
citing authors

#	ARTICLE	IF	CITATIONS
1	The structuralâ€“functional connectome and the default mode network of the human brain. <i>NeuroImage</i> , 2014, 102, 142-151.	4.2	283
2	Perceptual Decisions Formed by Accumulation of Audiovisual Evidence in Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 7434-7446.	3.6	137
3	Flexible Coding for Categorical Decisions in the Human Brain. <i>Journal of Neuroscience</i> , 2007, 27, 12321-12330.	3.6	127
4	Neural Coding of Global Form in the Human Visual Cortex. <i>Journal of Neurophysiology</i> , 2008, 99, 2456-2469.	1.8	106
5	Evidence for neural encoding of Bayesian surprise in human somatosensation. <i>NeuroImage</i> , 2012, 62, 177-188.	4.2	106
6	Spontaneous EEG alpha oscillation interacts with positive and negative BOLD responses in the visualâ€“auditory cortices and default-mode network. <i>NeuroImage</i> , 2013, 76, 362-372.	4.2	104
7	Imaging tactile imagery: Changes in brain connectivity support perceptual grounding of mental images in primary sensory cortices. <i>NeuroImage</i> , 2014, 98, 216-224.	4.2	84
8	An information theoretic approach to EEGâ€“fMRI integration of visually evoked responses. <i>NeuroImage</i> , 2010, 49, 498-516.	4.2	66
9	Development, Maintenance, and Function of the Adrenal Gland in Early Postnatal Proopiomelanocortin-Null Mutant Mice. <i>Endocrinology</i> , 2005, 146, 2555-2562.	2.8	61
10	Multimodal Functional Network Connectivity: An EEG-fMRI Fusion in Network Space. <i>PLoS ONE</i> , 2011, 6, e24642.	2.5	48
11	Digital open scienceâ€“Teaching digital tools for reproducible and transparent research. <i>PLoS Biology</i> , 2018, 16, e2006022.	5.6	45
12	Functional source separation improves the quality of single trial visual evoked potentials recorded during concurrent EEG-fMRI. <i>NeuroImage</i> , 2010, 50, 112-123.	4.2	44
13	The relationship between the visual evoked potential and the gamma band investigated by blind and semi-blind methods. <i>NeuroImage</i> , 2011, 56, 1059-1071.	4.2	33
14	Evaluation of the 3D fractal dimension as a marker of structural brain complexity in multipleâ€“acquisition MRI. <i>Human Brain Mapping</i> , 2019, 40, 3299-3320.	3.6	33
15	EEG-fMRI Based Information Theoretic Characterization of the Human Perceptual Decision System. <i>PLoS ONE</i> , 2012, 7, e33896.	2.5	30
16	Cortical processing of near-threshold tactile stimuli: An MEG study. <i>Psychophysiology</i> , 2010, 47, 523-534.	2.4	28
17	Voxel-wise information theoretic EEG-fMRI feature integration. <i>NeuroImage</i> , 2011, 55, 1270-1286.	4.2	27
18	Neural surprise in somatosensory Bayesian learning. <i>PLoS Computational Biology</i> , 2021, 17, e1008068.	3.2	27

#	ARTICLE	IF	CITATIONS
19	A tutorial on variational Bayes for latent linear stochastic time-series models. <i>Journal of Mathematical Psychology</i> , 2014, 60, 1-19.	1.8	22
20	Global signal modulation of single-trial fMRI response variability: Effect on positive vs negative BOLD response relationship. <i>NeuroImage</i> , 2016, 133, 62-74.	4.2	22
21	Information theoretic approaches to functional neuroimaging. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1417-1428.	1.8	21
22	Computing integrated information. <i>Neuroscience of Consciousness</i> , 2017, 2017, nix017.	2.6	17
23	Sometimes Bayesian statistics are better. <i>Nature</i> , 2013, 494, 35-35.	27.8	12
24	A normative inference approach for optimal sample sizes in decisions from experience. <i>Frontiers in Psychology</i> , 2015, 6, 1342.	2.1	9
25	Probabilistic delay differential equation modeling of event-related potentials. <i>NeuroImage</i> , 2016, 136, 227-257.	4.2	9
26	Variational Bayesian Parameter Estimation Techniques for the General Linear Model. <i>Frontiers in Neuroscience</i> , 2017, 11, 504.	2.8	9
27	Human Belief State-Based Exploration and Exploitation in an Information-Selective Symmetric Reversal Bandit Task. <i>Computational Brain &amp; Behavior</i> , 2021, 4, 442-462.	1.7	6
28	Effects on Hippocampus of Lifelong Absence of Glucocorticoids in the Pro-Opiomelanocortin Null Mutant Mouse Reveal Complex Relationship Between Glucocorticoids and Hippocampal Structure and Function. <i>Journal of Molecular Neuroscience</i> , 2006, 28, 291-302.	2.3	4
29	Early haemodynamic changes observed in patients with epilepsy, in a visual experiment and in simulations. <i>Clinical Neurophysiology</i> , 2016, 127, 245-253.	1.5	3
30	Reliability of Information-Based Integration of EEG and fMRI Data: A Simulation Study. <i>Neural Computation</i> , 2015, 27, 281-305.	2.2	2