

Martin N Hebart

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1080278/publications.pdf>

Version: 2024-02-01

34
papers

2,216
citations

430754

18
h-index

454834

30
g-index

48
all docs

48
docs citations

48
times ranked

2367
citing authors

#	ARTICLE	IF	CITATIONS
1	The Decoding Toolbox (TDT): a versatile software package for multivariate analyses of functional imaging data. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 88.	1.3	310
2	Decoding the Contents of Visual Short-Term Memory from Human Visual and Parietal Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 12983-12989.	1.7	244
3	Deconstructing multivariate decoding for the study of brain function. <i>NeuroImage</i> , 2018, 180, 4-18.	2.1	214
4	Breaking Continuous Flash Suppression: A New Measure of Unconscious Processing during Interocular Suppression?. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 167.	1.0	162
5	The representational dynamics of task and object processing in humans. <i>ELife</i> , 2018, 7, .	2.8	121
6	The Relationship between Perceptual Decision Variables and Confidence in the Human Brain. <i>Cerebral Cortex</i> , 2016, 26, 118-130.	1.6	117
7	Revealing the multidimensional mental representations of natural objects underlying human similarity judgements. <i>Nature Human Behaviour</i> , 2020, 4, 1173-1185.	6.2	113
8	Rapid Fear Detection Relies on High Spatial Frequencies. <i>Psychological Science</i> , 2014, 25, 566-574.	1.8	107
9	Mesolimbic confidence signals guide perceptual learning in the absence of external feedback. <i>ELife</i> , 2016, 5, .	2.8	98
10	THINGS: A database of 1,854 object concepts and more than 26,000 naturalistic object images. <i>PLoS ONE</i> , 2019, 14, e0223792.	1.1	97
11	Parietal and early visual cortices encode working memory content across mental transformations. <i>NeuroImage</i> , 2015, 106, 198-206.	2.1	78
12	Differential BOLD Activity Associated with Subjective and Objective Reports during "Blindsight" in Normal Observers. <i>Journal of Neuroscience</i> , 2011, 31, 12936-12944.	1.7	73
13	What Visual Information Is Processed in the Human Dorsal Stream?. <i>Journal of Neuroscience</i> , 2012, 32, 8107-8109.	1.7	70
14	Human visual and parietal cortex encode visual choices independent of motor plans. <i>NeuroImage</i> , 2012, 63, 1393-1403.	2.1	59
15	Serotonin and dopamine differentially affect appetitive and aversive general Pavlovian-to-instrumental transfer. <i>Psychopharmacology</i> , 2015, 232, 437-451.	1.5	54
16	Mechanisms of offline motor learning at a microscale of seconds in large-scale crowdsourced data. <i>Npj Science of Learning</i> , 2020, 5, 7.	1.5	49
17	An Efficient Data Partitioning to Improve Classification Performance While Keeping Parameters Interpretable. <i>PLoS ONE</i> , 2016, 11, e0161788.	1.1	33
18	The same analysis approach: Practical protection against the pitfalls of novel neuroimaging analysis methods. <i>NeuroImage</i> , 2018, 180, 19-30.	2.1	27

#	ARTICLE	IF	CITATIONS
19	Memory detection using fMRI " Does the encoding context matter?. <i>NeuroImage</i> , 2015, 113, 164-174.	2.1	23
20	Representation of Spatial Information in Key Areas of the Descending Pain Modulatory System. <i>Journal of Neuroscience</i> , 2014, 34, 4634-4639.	1.7	20
21	Human EEG recordings for 1,854 concepts presented in rapid serial visual presentation streams. <i>Scientific Data</i> , 2022, 9, 3.	2.4	18
22	Feature-reweighted representational similarity analysis: A method for improving the fit between computational models, brains, and behavior. <i>NeuroImage</i> , 2022, 257, 119294.	2.1	17
23	THINGSvision: A Python Toolbox for Streamlining the Extraction of Activations From Deep Neural Networks. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 679838.	1.3	14
24	The organizational principles of de-differentiated topographic maps in somatosensory cortex. <i>ELife</i> , 2021, 10, .	2.8	13
25	From photos to sketches - how humans and deep neural networks process objects across different levels of visual abstraction. <i>Journal of Vision</i> , 2022, 22, 4.	0.1	13
26	Interaction of Instrumental and Goal-Directed Learning Modulates Prediction Error Representations in the Ventral Striatum. <i>Journal of Neuroscience</i> , 2016, 36, 12650-12660.	1.7	9
27	Analyzing neuroimaging data with subclasses: A shrinkage approach. <i>NeuroImage</i> , 2016, 124, 740-751.	2.1	9
28	Revealing the Relative Contributions of Conceptual and Perceptual Information to Visual Memorability. <i>Journal of Vision</i> , 2021, 21, 2048.	0.1	4
29	THINGS-fMRI/MEG: A large-scale multimodal neuroimaging dataset of responses to natural object images. <i>Journal of Vision</i> , 2021, 21, 2633.	0.1	2
30	Facing up to stereotypes. <i>Nature Neuroscience</i> , 2016, 19, 763-764.	7.1	1
31	Current topics in Computational Cognitive Neuroscience. <i>Neuropsychologia</i> , 2020, 147, 107621.	0.7	1
32	The mental representation of materials distilled from >1.5 million similarity judgements. <i>Journal of Vision</i> , 2021, 21, 1981.	0.1	0
33	A data-driven investigation of human action representations. <i>Journal of Vision</i> , 2021, 21, 2552.	0.1	0
34	The effect of task on categorization behavior and its relationship to brain and deep neural networks. <i>Journal of Vision</i> , 2018, 18, 395.	0.1	0