Per Benjamin Sederberg

List of Publications by Year
in descending order

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61 papers	4,937 citations	172457 29 h-index	149698 56 g-index
67 all docs	67 docs citations	67 times ranked	5275 citing authors

#	Article	IF	Citations
1	Restoring cortical control of functional movement in a human with quadriplegia. Nature, 2016, 533, 247-250.	27.8	723
2	Theta and Gamma Oscillations during Encoding Predict Subsequent Recall. Journal of Neuroscience, 2003, 23, 10809-10814.	3.6	698
3	PyMVPA: a Python Toolbox for Multivariate Pattern Analysis of fMRI Data. Neuroinformatics, 2009, 7, 37-53.	2.8	435
4	Hippocampal and Neocortical Gamma Oscillations Predict Memory Formation in Humans. Cerebral Cortex, 2006, 17, 1190-1196.	2.9	349
5	A context-based theory of recency and contiguity in free recall.. Psychological Review, 2008, 115, 893-912.	3.8	256
6	A method for efficiently sampling from distributions with correlated dimensions.. Psychological Methods, 2013, 18, 368-384.	3.5	191
7	Human hippocampus represents space and time during retrieval of real-world memories. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11078-11083.	7.1	187
8	A Bayesian framework for simultaneously modeling neural and behavioral data. NeuroImage, 2013, 72, 193-206.	4.2	148
9	Oscillatory correlates of the primacy effect in episodic memory. NeuroImage, 2006, 32, 1422-1431.	4.2	139
10	Comparison of spectral analysis methods for characterizing brain oscillations. Journal of Neuroscience Methods, 2007, 162, 49-63.	2.5	129
11	Gamma Oscillations Distinguish True From False Memories. Psychological Science, 2007, 18, 927-932.	3.3	123
12	Meeting brainâ€“computer interface user performance expectations using a deep neural network decoding framework. Nature Medicine, 2018, 24, 1669-1676.	30.7	123
13	The temporal contiguity effect predicts episodic memory performance. Memory and Cognition, 2010, 38, 689-699.	1.6	100
14	PyMVPA: a unifying approach to the analysis of neuroscientific data. Frontiers in Neuroinformatics, 2009, 3, 3.	2.5	98
15	A generalized, likelihood-free method for posterior estimation. Psychonomic Bulletin and Review, 2014, 21, 227-250.	2.8	96
16	Human memory reconsolidation can be explained using the temporal context model. Psychonomic Bulletin and Review, 2011, 18, 455-468.	2.8	94
17	The Successor Representation and Temporal Context. Neural Computation, 2012, 24, 1553-1568.	2.2	88
18	Scene Representations in Parahippocampal Cortex Depend on Temporal Context. Journal of Neuroscience, 2012, 32, 7202-7207.	3.6	72

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19	Do we really become smarter when our fluid-intelligence test scores improve?. Intelligence, 2015, 48, 1-14.	3.0	69
20	Approximate Bayesian computation with differential evolution. Journal of Mathematical Psychology, 2012, 56, 375-385.	1.8	68
21	PyEPL: A cross-platform experiment-programming library. Behavior Research Methods, 2007, 39, 950-958.	4.0	66
22	A novel method for analyzing sequential eye movements reveals strategic influence on Raven's Advanced Progressive Matrices. Journal of Vision, 2011, 11, 10-10.	0.3	65
23	Spinal Cord Stimulation (SCS) and Functional Magnetic Resonance Imaging (fMRI): Modulation of Cortical Connectivity With Therapeutic SCS. Neuromodulation, 2016, 19, 142-153.	0.8	58
24	Power Shifts Track Serial Position and Modulate Encoding in Human Episodic Memory. Cerebral Cortex, 2014, 24, 403-413.	2.9	49
25	Deep Brain Stimulation of Frontal Lobe Networks to Treat Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 62, 621-633.	2.6	47
26	Some task demands induce collapsing bounds: Evidence from a behavioral analysis. Psychonomic Bulletin and Review, 2018, 25, 1225-1248.	2.8	46
27	A tutorial on joint models of neural and behavioral measures of cognition. Journal of Mathematical Psychology, 2018, 84, 20-48.	1.8	43
28	The experience of vivid autobiographical reminiscence is supported by subjective content representations in the precuneus. Scientific Reports, 2018, 8, 14899.	3.3	41
29	Improved Function After Deep Brain Stimulation for Chronic, Severe Traumatic Brain Injury. Neurosurgery, 2016, 79, 204-211.	1.1	38
30	A single trial analysis of EEG in recognition memory: Tracking the neural correlates of memory strength. Neuropsychologia, 2016, 93, 128-141.	1.6	35
31	The context repetition effect: Predicted events are remembered better, even when they donâ€™t happen.. Journal of Experimental Psychology: General, 2013, 142, 1298-1308.	2.1	28
32	Bayesian analysis of simulation-based models. Journal of Mathematical Psychology, 2016, 72, 191-199.	1.8	28
33	Foraging for Thought. Psychological Science, 2013, 24, 1104-1112.	3.3	26
34	Trial-level information for individual faces in the fusiform face area depends on subsequent memory. NeuroImage, 2016, 124, 526-535.	4.2	16
35	A context-change account of temporal distinctiveness. Memory and Cognition, 2019, 47, 1158-1172.	1.6	15
36	Sense of agency for intracortical brainâ€“machine interfaces. Nature Human Behaviour, 2022, 6, 565-578.	12.0	15

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37	Binary Linear Classification and Feature Selection via Generalized Approximate Message Passing. IEEE Transactions on Signal Processing, 2015, 63, 2020-2032.	5.3	14
38	Putting short-term memory into context: Reply to Usher, Davelaar, Haarmann, and Goshen-Gottstein (2008).. Psychological Review, 2008, 115, 1119-1125.	3.8	12
39	Estimating Scale-Invariant Future in Continuous Time. Neural Computation, 2019, 31, 681-709.	2.2	12
40	A model of dynamic, within-trial conflict resolution for decision making.. Psychological Review, 2020, 127, 749-777.	3.8	12
41	Reply to Farrell and Lewandowsky: Recencyâ€"contiguity interactions predicted by the temporal context model. Psychonomic Bulletin and Review, 2009, 16, 973-984.	2.8	11
42	Decomposing spatiotemporal brain patterns into topographic latent sources. NeuroImage, 2014, 98, 91-102.	4.2	11
43	PyParse: A semiautomated system for scoring spoken recall data. Behavior Research Methods, 2010, 42, 141-147.	4.0	9
44	The neural architecture of prediction over a continuum of spatiotemporal scales. Current Opinion in Behavioral Sciences, 2017, 17, 194-202.	3.9	8
45	Brain rhythms in mental time travel. NeuroImage, 2014, 85, 678-684.	4.2	7
46	Equal evidence perceptual tasks suggest a key role for interactive competition in decision-making.. Psychological Review, 2021, 128, 1051-1087.	3.8	7
47	Postscript: Distinguishing between temporal context and short-term store.. Psychological Review, 2008, 115, 1125-1126.	3.8	4
48	Binary linear classification and feature selection via generalized approximate message passing. , 2014, , .		4
49	Representational differences between line drawings and photographs of natural scenes: A dissociation between multi-voxel pattern analysis and repetition suppression. Neuropsychologia, 2018, 117, 513-519.	1.6	4
50	Cognitive Task Performance During Titration Predicts Deep Brain Stimulation Treatment Efficacy: Evidence From a Case Study. Frontiers in Psychiatry, 2020, 11, 30.	2.6	4
51	Transparency, replicability, and discovery in cognitive aging research: A computational modeling approach.. Psychology and Aging, 2022, 37, 10-29.	1.6	4
52	MELD: Mixed effects for large datasets. PLoS ONE, 2017, 12, e0182797.	2.5	3
53	A temporal context repetition effect in rats during a novel object recognition memory task. Animal Cognition, 2015, 18, 1031-1037.	1.8	2
54	Real-time Adaptive Design Optimization Within Functional MRI Experiments. Computational Brain & Behavior, 2020, 3, 400-429.	1.7	2

#	Article	IF	Citations
55	Imagined Temporal Groupings Tune Oscillatory Neural Activity for Processing Rhythmic Sounds. Timing and Time Perception, 2015, 3, 172-188.	0.6	1
56	Individual differences in attention allocation during a two-dimensional inhibitory control task. Attention, Perception, and Psychophysics, 2021, 83, 676-684.	1.3	1
57	Quantifying mechanisms of cognition with an experiment and modeling ecosystem. Behavior Research Methods, 2021, 53, 1833-1856.	4.0	1
58	Likelihood-free Bayesian analysis of neural network models. BMC Neuroscience, 2013, 14, .	1.9	0
59	P2-204: Model-based analysis of continuous performance memory assessment demonstrates mechanisms underlying deficits in mild cognitive impairment. , 2015, 11, P570-P571.		0
60	A Tutorial. Computational Approaches To Cognition and Perception, 2018, , 55-79.	0.6	0
61	Validations. Computational Approaches To Cognition and Perception, 2018, , 81-93.	0.6	0