

Per Benjamin Sederberg

List of Publications by Year in descending order

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Version: 2024-02-01

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	Sense of agency for intracortical brain-machine interfaces. <i>Nature Human Behaviour</i> , 2022, 6, 565-578.	12.0	15
2	Transparency, replicability, and discovery in cognitive aging research: A computational modeling approach.. <i>Psychology and Aging</i> , 2022, 37, 10-29.	1.6	4
3	Individual differences in attention allocation during a two-dimensional inhibitory control task. <i>Attention, Perception, and Psychophysics</i> , 2021, 83, 676-684.	1.3	1
4	Quantifying mechanisms of cognition with an experiment and modeling ecosystem. <i>Behavior Research Methods</i> , 2021, 53, 1833-1856.	4.0	1
5	Equal evidence perceptual tasks suggest a key role for interactive competition in decision-making.. <i>Psychological Review</i> , 2021, 128, 1051-1087.	3.8	7
6	Cognitive Task Performance During Titration Predicts Deep Brain Stimulation Treatment Efficacy: Evidence From a Case Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 30.	2.6	4
7	Real-time Adaptive Design Optimization Within Functional MRI Experiments. <i>Computational Brain & Behavior</i> , 2020, 3, 400-429.	1.7	2
8	A model of dynamic, within-trial conflict resolution for decision making.. <i>Psychological Review</i> , 2020, 127, 749-777.	3.8	12
9	A context-change account of temporal distinctiveness. <i>Memory and Cognition</i> , 2019, 47, 1158-1172.	1.6	15
10	Estimating Scale-Invariant Future in Continuous Time. <i>Neural Computation</i> , 2019, 31, 681-709.	2.2	12
11	A tutorial on joint models of neural and behavioral measures of cognition. <i>Journal of Mathematical Psychology</i> , 2018, 84, 20-48.	1.8	43
12	Deep Brain Stimulation of Frontal Lobe Networks to Treat Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 621-633.	2.6	47
13	The experience of vivid autobiographical reminiscence is supported by subjective content representations in the precuneus. <i>Scientific Reports</i> , 2018, 8, 14899.	3.3	41
14	Meeting brain-computer interface user performance expectations using a deep neural network decoding framework. <i>Nature Medicine</i> , 2018, 24, 1669-1676.	30.7	123
15	Some task demands induce collapsing bounds: Evidence from a behavioral analysis. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 1225-1248.	2.8	46
16	Representational differences between line drawings and photographs of natural scenes: A dissociation between multi-voxel pattern analysis and repetition suppression. <i>Neuropsychologia</i> , 2018, 117, 513-519.	1.6	4
17	A Tutorial. <i>Computational Approaches To Cognition and Perception</i> , 2018, , 55-79.	0.6	0
18	Validations. <i>Computational Approaches To Cognition and Perception</i> , 2018, , 81-93.	0.6	0

#	ARTICLE	IF	CITATIONS
19	The neural architecture of prediction over a continuum of spatiotemporal scales. <i>Current Opinion in Behavioral Sciences</i> , 2017, 17, 194-202.	3.9	8
20	MELD: Mixed effects for large datasets. <i>PLoS ONE</i> , 2017, 12, e0182797.	2.5	3
21	Improved Function After Deep Brain Stimulation for Chronic, Severe Traumatic Brain Injury. <i>Neurosurgery</i> , 2016, 79, 204-211.	1.1	38
22	Spinal Cord Stimulation (SCS) and Functional Magnetic Resonance Imaging (fMRI): Modulation of Cortical Connectivity With Therapeutic SCS. <i>Neuromodulation</i> , 2016, 19, 142-153.	0.8	58
23	Restoring cortical control of functional movement in a human with quadriplegia. <i>Nature</i> , 2016, 533, 247-250.	27.8	723
24	A single trial analysis of EEG in recognition memory: Tracking the neural correlates of memory strength. <i>Neuropsychologia</i> , 2016, 93, 128-141.	1.6	35
25	Bayesian analysis of simulation-based models. <i>Journal of Mathematical Psychology</i> , 2016, 72, 191-199.	1.8	28
26	Trial-level information for individual faces in the fusiform face area depends on subsequent memory. <i>NeuroImage</i> , 2016, 124, 526-535.	4.2	16
27	P2-204: Model-based analysis of continuous performance memory assessment demonstrates mechanisms underlying deficits in mild cognitive impairment. , 2015, 11, P570-P571.		0
28	Binary Linear Classification and Feature Selection via Generalized Approximate Message Passing. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 2020-2032.	5.3	14
29	Imagined Temporal Groupings Tune Oscillatory Neural Activity for Processing Rhythmic Sounds. <i>Timing and Time Perception</i> , 2015, 3, 172-188.	0.6	1
30	A temporal context repetition effect in rats during a novel object recognition memory task. <i>Animal Cognition</i> , 2015, 18, 1031-1037.	1.8	2
31	Human hippocampus represents space and time during retrieval of real-world memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11078-11083.	7.1	187
32	Do we really become smarter when our fluid-intelligence test scores improve?. <i>Intelligence</i> , 2015, 48, 1-14.	3.0	69
33	Power Shifts Track Serial Position and Modulate Encoding in Human Episodic Memory. <i>Cerebral Cortex</i> , 2014, 24, 403-413.	2.9	49
34	Brain rhythms in mental time travel. <i>NeuroImage</i> , 2014, 85, 678-684.	4.2	7
35	A generalized, likelihood-free method for posterior estimation. <i>Psychonomic Bulletin and Review</i> , 2014, 21, 227-250.	2.8	96
36	Binary linear classification and feature selection via generalized approximate message passing. , 2014, ,		4

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37	Decomposing spatiotemporal brain patterns into topographic latent sources. <i>NeuroImage</i> , 2014, 98, 91-102.	4.2	11
38	Likelihood-free Bayesian analysis of neural network models. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	0
39	A Bayesian framework for simultaneously modeling neural and behavioral data. <i>NeuroImage</i> , 2013, 72, 193-206.	4.2	148
40	The context repetition effect: Predicted events are remembered better, even when they don't happen.. <i>Journal of Experimental Psychology: General</i> , 2013, 142, 1298-1308.	2.1	28
41	Foraging for Thought. <i>Psychological Science</i> , 2013, 24, 1104-1112.	3.3	26
42	A method for efficiently sampling from distributions with correlated dimensions.. <i>Psychological Methods</i> , 2013, 18, 368-384.	3.5	191
43	The Successor Representation and Temporal Context. <i>Neural Computation</i> , 2012, 24, 1553-1568.	2.2	88
44	Scene Representations in Parahippocampal Cortex Depend on Temporal Context. <i>Journal of Neuroscience</i> , 2012, 32, 7202-7207.	3.6	72
45	Approximate Bayesian computation with differential evolution. <i>Journal of Mathematical Psychology</i> , 2012, 56, 375-385.	1.8	68
46	A novel method for analyzing sequential eye movements reveals strategic influence on Raven's Advanced Progressive Matrices. <i>Journal of Vision</i> , 2011, 11, 10-10.	0.3	65
47	Human memory reconsolidation can be explained using the temporal context model. <i>Psychonomic Bulletin and Review</i> , 2011, 18, 455-468.	2.8	94
48	PyParse: A semiautomated system for scoring spoken recall data. <i>Behavior Research Methods</i> , 2010, 42, 141-147.	4.0	9
49	The temporal contiguity effect predicts episodic memory performance. <i>Memory and Cognition</i> , 2010, 38, 689-699.	1.6	100
50	PyMVPA: a unifying approach to the analysis of neuroscientific data. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 3.	2.5	98
51	PyMVPA: a Python Toolbox for Multivariate Pattern Analysis of fMRI Data. <i>Neuroinformatics</i> , 2009, 7, 37-53.	2.8	435
52	Reply to Farrell and Lewandowsky: Recency-contiguity interactions predicted by the temporal context model. <i>Psychonomic Bulletin and Review</i> , 2009, 16, 973-984.	2.8	11
53	Postscript: Distinguishing between temporal context and short-term store.. <i>Psychological Review</i> , 2008, 115, 1125-1126.	3.8	4
54	A context-based theory of recency and contiguity in free recall.. <i>Psychological Review</i> , 2008, 115, 893-912.	3.8	256

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55	Putting short-term memory into context: Reply to Usher, Davelaar, Haarmann, and Goshen-Gottstein (2008).. Psychological Review, 2008, 115, 1119-1125.	3.8	12
56	Gamma Oscillations Distinguish True From False Memories. Psychological Science, 2007, 18, 927-932.	3.3	123
57	Comparison of spectral analysis methods for characterizing brain oscillations. Journal of Neuroscience Methods, 2007, 162, 49-63.	2.5	129
58	PyEPL: A cross-platform experiment-programming library. Behavior Research Methods, 2007, 39, 950-958.	4.0	66
59	Oscillatory correlates of the primacy effect in episodic memory. NeuroImage, 2006, 32, 1422-1431.	4.2	139
60	Hippocampal and Neocortical Gamma Oscillations Predict Memory Formation in Humans. Cerebral Cortex, 2006, 17, 1190-1196.	2.9	349
61	Theta and Gamma Oscillations during Encoding Predict Subsequent Recall. Journal of Neuroscience, 2003, 23, 10809-10814.	3.6	698