Michael C Mozer

List of Publications by Year
in descending order

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44 papers	3,293 citations	430874 18 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	4759 citing authors

#	Article	IF	Citations
1	Bayesian community-wide culture-independent microbial source tracking. Nature Methods, 2011, 8, 761-763.	19.0	1,284
2	Deep neural network improves fracture detection by clinicians. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11591-11596.	7.1	383
3	Using Relevance to Reduce Network Size Automatically. Connection Science, 1989, 1, 3-16.	3.0	286
4	Optimizing Distributed Practice. Experimental Psychology, 2009, 56, 236-246.	0.7	212
5	On the Interaction of Selective Attention and Lexical Knowledge: A Connectionist Account of Neglect Dyslexia. Journal of Cognitive Neuroscience, 1990, 2, 96-123.	2.3	166
6	Neural Network Music Composition by Prediction: Exploring the Benefits of Psychoacoustic Constraints and Multi-scale Processing. Connection Science, 1994, 6, 247-280.	3.0	126
7	Experience-dependent perceptual grouping and object-based attention.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 202-217.	0.9	83
8	Sequential effects in response time reveal learning mechanisms and event representations.. Psychological Review, 2013, 120, 628-666.	3.8	70
9	Dynamic adaptation to history of trial difficulty explains the effect of congruency proportion on masked priming.. Journal of Experimental Psychology: General, 2011, 140, 622-636.	2.1	65
10	Frames of reference in unilateral neglect and visual perception: A computational perspective.. Psychological Review, 2002, 109, 156-185.	3.8	59
11	Optimal Predictions in Everyday Cognition: The Wisdom of Individuals or Crowds?. Cognitive Science, 2008, 32, 1133-1147.	1.7	59
12	The End of the Line for a Brain-Damaged Model of Unilateral Neglect. Journal of Cognitive Neuroscience, 1997, 9, 171-190.	2.3	56
13	Does incorrect guessing impair fact learning?. Journal of Educational Psychology, 2011, 103, 48-59.	2.9	49
14	Retrieval practice over the long term: Should spacing be expanding or equal-interval?. Psychonomic Bulletin and Review, 2014, 21, 1544-1550.	2.8	46
15	Unconscious cognition isnâ€™t that smart: Modulation of masked repetition priming effect in the word naming task. Cognition, 2008, 107, 623-649.	2.2	41
16	When does fading enhance perceptual category learning?. Journal of Experimental Psychology: Learning Memory and Cognition, 2013, 39, 1162-1173.	0.9	30
17	Reducing the Variability of Neural Responses: A Computational Theory of Spike-Timing-Dependent Plasticity. Neural Computation, 2007, 19, 371-403.	2.2	29
18	Maximizing Students' Retention via Spaced Review: Practical Guidance From Computational Models of Memory. Topics in Cognitive Science, 2014, 6, 157-169.	1.9	25

#	Article	IF	Citations
19	Neural Networks Trained on Natural Scenes Exhibit Gestalt Closure. Computational Brain & Behavior, 2021, 4, 251-263.	1.7	20
20	How lexical decision is affected by recent experience: Symmetric versus asymmetric frequency-blocking effects. Memory and Cognition, 2006, 34, 726-742.	1.6	19
21	On the Origin of Switchbacks Observed in the Solar Wind. Astrophysical Journal, 2021, 919, 60.	4.5	19
22	Localist Attractor Networks. Neural Computation, 2001, 13, 1045-1064.	2.2	18
23	Superadditive effects of multiple lesions in a connectionist architecture: Implications for the neuropsychology of optic aphasia.. Psychological Review, 2000, 107, 709-734.	3.8	17
24	Artificial intelligence to support human instruction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3953-3955.	7.1	16
25	Using Highlighting to Train Attentional Expertise. PLoS ONE, 2016, 11, e0146266.	2.5	14
26	Reviewing erroneous information facilitates memory updating. Cognition, 2013, 128, 424-430.	2.2	12
27	Chapter 7 Explaining object-based deficits in unilateral neglect without object-based frames of reference. Progress in Brain Research, 1999, 121, 99-119.	1.4	11
28	Obtaining psychological embeddings through joint kernel and metric learning. Behavior Research Methods, 2019, 51, 2180-2193.	4.0	11
29	Corpus-based static branch prediction. ACM SIGPLAN Notices, 1995, 30, 79-92.	0.2	9
30	Sequential Dependencies in Driving. Cognitive Science, 2012, 36, 948-963.	1.7	9
31	Improving Humanâ€Machine Cooperative Classification Via Cognitive Theories of Similarity. Cognitive Science, 2017, 41, 1394-1411.	1.7	9
32	The persistent impact of incidental experience. Psychonomic Bulletin and Review, 2013, 20, 1221-1231.	2.8	8
33	Object-based control of attention is sensitive to recent experience.. Journal of Experimental Psychology: Human Perception and Performance, 2012, 38, 314-325.	0.9	7
34	Forgetting of Foreignâ€Language Skills: A Corpusâ€Based Analysis of Online Tutoring Software. Cognitive Science, 2017, 41, 924-949.	1.7	7
35	Highlights as an Early Predictor of Student Comprehension and Interests. Cognitive Science, 2020, 44, e12901.	1.7	5
36	Mating Strategies in a Darwinian Microworld: Simulating the Consequences of Female Reproductive Refractoriness. Adaptive Behavior, 2001, 9, 5-15.	1.9	3

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37	Quantifying the Role of Vocabulary Knowledge in Predicting Future Word Learning. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 148-159.	3.8	3
38	Predicting the Ease of Human Category Learning Using Radial Basis Function Networks. Neural Computation, 2021, 33, 376-397.	2.2	3
39	Top-Down modulation of neural responses in visual perception: a computational exploration. Natural Computing, 2008, 7, 45-55.	3.0	2
40	SLUG: A Connectionist Architecture for Inferring the Structure of Finite-State Environments. Machine Learning, 1991, 7, 139-160.	5.4	1
41	Human susceptibility to subtle adversarial image manipulations with unlimited exposure time. Journal of Vision, 2021, 21, 2251.	0.3	0
42	Visual Classification Expertise without Training. Journal of Vision, 2015, 15, 1172.	0.3	0
43	Improving Categorization Training with Structure-Sensitive Scheduling. Journal of Vision, 2016, 16, 402.	0.3	0
44	Towards using human-surrogate models to optimize training sequences during visual category learning. Journal of Vision, 2018, 18, 404.	0.3	0