

Marius Usher

List of Publications by Year in descending order

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92
papers

6,556
citations

117625

34
h-index

71685

76
g-index

98
all docs

98
docs citations

98
times ranked

4457
citing authors

#	ARTICLE	IF	CITATIONS
1	The time course of perceptual choice: The leaky, competing accumulator model.. Psychological Review, 2001, 108, 550-592.	3.8	2,010
2	The Demise of Short-Term Memory Revisited: Empirical and Computational Investigations of Recency Effects.. Psychological Review, 2005, 112, 3-42.	3.8	356
3	Loss Aversion and Inhibition in Dynamical Models of Multialternative Choice.. Psychological Review, 2004, 111, 757-769.	3.8	333
4	Salience driven value integration explains decision biases and preference reversal. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9659-9664.	7.1	181
5	Visual synchrony affects binding and segmentation in perception. Nature, 1998, 394, 179-182.	27.8	168
6	Extending a biologically inspired model of choice: multi-alternatives, nonlinearity and value-based multidimensional choice. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 1655-1670.	4.0	161
7	Modeling the Temporal Dynamics of IT Neurons in Visual Search: A Mechanism for Top-Down Selective Attention. Journal of Cognitive Neuroscience, 1996, 8, 311-327.	2.3	157
8	The Timescale of Perceptual Evidence Integration Can Be Adapted to the Environment. Current Biology, 2013, 23, 981-986.	3.9	141
9	Disentangling decision models: From independence to competition.. Psychological Review, 2013, 120, 1-38.	3.8	131
10	Post choice information integration as a causal determinant of confidence: Novel data and a computational account. Cognitive Psychology, 2015, 78, 99-147.	2.2	127
11	Preference reversal in multiattribute choice.. Psychological Review, 2010, 117, 1275-1291.	3.8	122
12	Confirmation Bias through Selective Overweighting of Choice-Consistent Evidence. Current Biology, 2018, 28, 3128-3135.e8.	3.9	115
13	Dynamic Pattern Formation Leads to 1fNoise in Neural Populations. Physical Review Letters, 1995, 74, 326-329.	7.8	114
14	Individual differences in semantic short-term memory capacity and reading comprehension. Journal of Memory and Language, 2003, 48, 320-345.	2.1	112
15	The Effect of Synchronized Inputs at the Single Neuron Level. Neural Computation, 1994, 6, 622-641.	2.2	109
16	We See More Than We Can Report. Psychological Science, 2014, 25, 1394-1403.	3.3	107
17	Economic irrationality is optimal during noisy decision making. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3102-3107.	7.1	102
18	Hick's Law in a Stochastic Race Model with Speedâ€“Accuracy Tradeoff. Journal of Mathematical Psychology, 2002, 46, 704-715.	1.8	101

#	ARTICLE	IF	CITATIONS
19	Maintenance of semantic information in capacity-limited item short-term memory. <i>Psychonomic Bulletin and Review</i> , 2001, 8, 568-578.	2.8	97
20	Using Time-Varying Evidence to Test Models of Decision Dynamics: Bounded Diffusion vs. the Leaky Competing Accumulator Model. <i>Frontiers in Neuroscience</i> , 2012, 6, 79.	2.8	92
21	Gamma flicker triggers attentional selection without awareness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1666-1671.	7.1	84
22	Network Amplification of Local Fluctuations Causes High Spike Rate Variability, Fractal Firing Patterns and Oscillatory Local Field Potentials. <i>Neural Computation</i> , 1994, 6, 795-836.	2.2	76
23	Absolutely relative or relatively absolute: violations of value invariance in human decision making. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 22-38.	2.8	72
24	Task conflict and proactive control: A computational theory of the Stroop task.. <i>Psychological Review</i> , 2018, 125, 59-82.	3.8	70
25	Stochastic resonance in the speed of memory retrieval. <i>Biological Cybernetics</i> , 2000, 83, L011-L016.	1.3	66
26	The Impact of the Mode of Thought in Complex Decisions: Intuitive Decisions are Better. <i>Frontiers in Psychology</i> , 2011, 2, 37.	2.1	66
27	Competitive guided search: Meeting the challenge of benchmark RT distributions. <i>Journal of Vision</i> , 2013, 13, 24-24.	0.3	65
28	Neural mechanism for the magical number 4: Competitive interactions and nonlinear oscillation. <i>Behavioral and Brain Sciences</i> , 2001, 24, 151-152.	0.7	60
29	Search efficiency as a function of target saliency: The transition from inefficient to efficient search and beyond.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2016, 42, 821-836.	0.9	60
30	Testing Multi-Alternative Decision Models with Non-Stationary Evidence. <i>Frontiers in Neuroscience</i> , 2011, 5, 63.	2.8	58
31	Dynamics of Populations of Integrate-and-Fire Neurons, Partial Synchronization and Memory. <i>Neural Computation</i> , 1993, 5, 570-586.	2.2	50
32	A Statistical Referential Theory of Content: Using Information Theory to Account for Misrepresentation. <i>Mind and Language</i> , 2001, 16, 311-334.	2.3	47
33	Decisions reduce sensitivity to subsequent information. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150228.	2.6	47
34	Visual attention modulates the integration of goal-relevant evidence and not value. <i>ELife</i> , 2020, 9, .	6.0	46
35	Anxiety, emotional distraction, and attentional control in the Stroop task.. <i>Emotion</i> , 2016, 16, 293-300.	1.8	44
36	Stroop proactive control and task conflict are modulated by concurrent working memory load. <i>Psychonomic Bulletin and Review</i> , 2015, 22, 869-875.	2.8	43

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37	Serial vs. parallel models of attention in visual search: accounting for benchmark RT-distributions. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 1300-1315.	2.8	37
38	Neuromodulation of decision and response selection. <i>Neural Networks</i> , 2002, 15, 635-645.	5.9	36
39	Pitting intuitive and analytical thinking against each other: The case of transitivity. <i>Psychonomic Bulletin and Review</i> , 2013, 20, 608-614.	2.8	36
40	Adaptive Spontaneous Transitions between Two Mechanisms of Numerical Averaging. <i>Scientific Reports</i> , 2015, 5, 10415.	3.3	35
41	Selective influence of working memory load on exceptionally slow reaction times.. <i>Journal of Experimental Psychology: General</i> , 2014, 143, 1837-1860.	2.1	34
42	Mechanisms for spatial integration in visual detection: a model based on lateral interactions. <i>Spatial Vision</i> , 1999, 12, 187-209.	1.4	33
43	Age-Related Declines in Context Maintenance and Semantic Short-Term Memory. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 2005, 58, 34-53.	2.3	32
44	Non-monotonic Temporal-Weighting Indicates a Dynamically Modulated Evidence-Integration Mechanism. <i>PLoS Computational Biology</i> , 2016, 12, e1004667.	3.2	32
45	Semantic similarity dissociates short- from long-term recency effects: Testing a neurocomputational model of list memory. <i>Memory and Cognition</i> , 2006, 34, 323-334.	1.6	29
46	Short-term memory after all: Comment on Sederberg, Howard, and Kahana (2008).. <i>Psychological Review</i> , 2008, 115, 1108-1116.	3.8	23
47	Attentional Selection Mediates Framing and Risk-Bias Effects. <i>Psychological Science</i> , 2018, 29, 2010-2019.	3.3	23
48	The formation of preference in risky choice. <i>PLoS Computational Biology</i> , 2019, 15, e1007201.	3.2	23
49	A Neural Network Model for Attribute-Based Decision Processes. <i>Cognitive Science</i> , 1993, 17, 349-396.	1.7	22
50	Individual differences in language lateralisation, schizotypy and the remote-associate task. <i>Personality and Individual Differences</i> , 2009, 46, 622-626.	2.9	22
51	Consciousness without report: insights from summary statistics and inattention "blindness"™. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170354.	4.0	19
52	Dynamics of metacognitive judgments: Pre- and postretrieval mechanisms.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2003, 29, 339-346.	0.9	19
53	Dynamics of decision-making: from evidence accumulation to preference and belief. <i>Frontiers in Psychology</i> , 2013, 4, 758.	2.1	18
54	The role of the frontal cortex in memory: an investigation of the Von Restorff effect. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 410.	2.0	17

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55	Integration to boundary in decisions between numerical sequences. <i>Cognition</i> , 2019, 193, 104022.	2.2	17
56	Transcranial Direct Current Stimulation over the Parietal Cortex Improves Approximate Numerical Averaging. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1700-1713.	2.3	16
57	Selective Integration: An Attentional Theory of Choice Biases and Adaptive Choice. <i>Current Directions in Psychological Science</i> , 2019, 28, 552-559.	5.3	14
58	Evidence integration and decision confidence are modulated by stimulus consistency. <i>Nature Human Behaviour</i> , 2022, 6, 988-999.	12.0	14
59	Age-Related Deficits in Memory Encoding and Retrieval in Word List Free Recall. <i>Brain Sciences</i> , 2018, 8, 211.	2.3	13
60	Fast and effective: Intuitive processes in complex decisions. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 1542-1548.	2.8	13
61	Choices change the temporal weighting of decision evidence. <i>Journal of Neurophysiology</i> , 2021, 125, 1468-1481.	1.8	12
62	The effects of temporal synchrony on the perceived organization of elements in spatially symmetric and asymmetric grids. <i>Visual Cognition</i> , 2001, 8, 637-654.	1.6	11
63	Causal Responsibility and Robust Causation. <i>Frontiers in Psychology</i> , 2020, 11, 1069.	2.1	11
64	A Perceptual-Like Population-Coding Mechanism of Approximate Numerical Averaging. <i>Neural Computation</i> , 2018, 30, 428-446.	2.2	10
65	Impoverished or rich consciousness outside attentional focus: Recent data tip the balance for <i>Overflow</i> . <i>Mind and Language</i> , 2019, 34, 423-444.	2.3	10
66	Constructing preference from sequential samples: The impact of evaluation format on risk attitudes.. <i>Decision</i> , 2019, 6, 223-236.	0.5	10
67	Examining the mechanisms underlying contextual preference reversal: Comment on Trueblood, Brown, and Heathcote (2014).. <i>Psychological Review</i> , 2015, 122, 838-847.	3.8	9
68	Value certainty in drift-diffusion models of preferential choice.. <i>Psychological Review</i> , 2023, 130, 790-806.	3.8	9
69	Subliminal Gamma Flicker Draws Attention Even in the Absence of Transition-Flash Cues. <i>Journal of Neurophysiology</i> , 2011, 105, 827-833.	1.8	8
70	Ensemble perception: Extracting the average of perceptual versus numerical stimuli. <i>Attention, Perception, and Psychophysics</i> , 2021, 83, 956-969.	1.3	8
71	Extraction of mean emotional tone from face arrays in social anxiety disorder. <i>Depression and Anxiety</i> , 2018, 35, 248-255.	4.1	7
72	Agency, Teleological Control and Robust Causation. <i>Philosophy and Phenomenological Research</i> , 2020, 100, 302-324.	0.8	7

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73	Perceptual grouping based on temporal structure: Impact of subliminal flicker and visual transients. <i>Visual Cognition</i> , 2006, 13, 481-502.	1.6	6
74	Differences in Semantic Memory Encoding Strategies in Young, Healthy Old and MCI Patients. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 306.	3.4	6
75	Control, Choice, and the Convergence/Divergence Dynamics. <i>The Journal of Philosophy</i> , 2006, 103, 188-213.	0.5	6
76	The Cognition/Metacognition Trade-Off. <i>Psychological Science</i> , 2022, 33, 613-628.	3.3	6
77	Reply to Davis-Stober et al.: Violations of rationality in a psychophysical task are not aggregation artifacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4764-6.	7.1	5
78	An appeal against the item's death sentence: Accounting for diagnostic data patterns with an item-based model of visual search. <i>Behavioral and Brain Sciences</i> , 2017, 40, e148.	0.7	4
79	AN ACTIVATION-BASED THEORY OF IMMEDIATE ITEM MEMORY. , 2002, , .		4
80	Refuting the unfolding-argument on the irrelevance of causal structure to consciousness. <i>Consciousness and Cognition</i> , 2021, 95, 103212.	1.5	3
81	Interaction of attention and temporal object priming. <i>Psychological Research</i> , 2009, 73, 287-301.	1.7	2
82	Parallel attentive processing and pre-attentive guidance. <i>Behavioral and Brain Sciences</i> , 2017, 40, e149.	0.7	2
83	The averaging of numerosities: A psychometric investigation of the mental line. <i>Attention, Perception, and Psychophysics</i> , 2021, 83, 1152-1168.	1.3	2
84	Extracting Summary Statistics of Rapid Numerical Sequences. <i>Frontiers in Psychology</i> , 2021, 12, 693575.	2.1	2
85	Intuitive Number Evaluation Is not Affected by Information Processing Load. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 135-148.	0.6	2
86	Comment on Ryder's SINBAD Neurosemantics: Is Teleofunction Isomorphism the Way to Understand Representations?. <i>Mind and Language</i> , 2004, 19, 241-248.	2.3	1
87	What has been learned from computational models of attention. <i>Neural Networks</i> , 2006, 19, 1440-1442.	5.9	1
88	Rapid visual grouping and figureâ€‘ground processing using temporally structured displays. <i>Vision Research</i> , 2010, 50, 1803-1813.	1.4	1
89	'Tis all in pieces (separate RFs and CFs), all coherence gone. <i>Behavioral and Brain Sciences</i> , 1997, 20, 693-694.	0.7	0
90	Goal-dependent flexibility in preferences formation from rapid payoff sequences. <i>Quarterly Journal of Experimental Psychology</i> , 2019, 72, 2130-2139.	1.1	0

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91	AN EXTENDED BUFFER MODEL FOR ACTIVE MAINTENANCE AND SELECTIVE UPDATING. , 2004, , .		0
92	CONTEXT AND SEMANTIC WORKING MEMORY IN SCHIZOPHRENIA: A COMPUTATIONAL AND EXPERIMENTAL INVESTIGATION. , 2009, , .		0