Michael R W Dawson

List of Publications by Year
in descending order

77	1,238	394286	377752
papers	citations	19 h-index	34 g-index

93	93	93	619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cognitive Impenetrability. , 2022, , 1500-1502.		0
2	Artificial Neural Networks Solve Musical Problems With Fourier Phase Spaces. Scientific Reports, 2020, 10, 7151.	1.6	5
3	Theoretical psychology at the University of Alberta as social science during the Cold War.. History of Psychology, 2019, 22, 87-106.	0.1	1
4	Key-finding by artificial neural networks that learn about key profiles.. Canadian Journal of Experimental Psychology, 2018, 72, 153-170.	0.7	0
5	Cognitive Impenetrability. , 2017, , 1-3.		0
6	Probability matching in perceptrons: Effects of conditional dependence and linear nonseparability. PLoS ONE, 2017, 12, e0172431.	1.1	1
7	Get out of the corner: Inhibition and the effect of location type and number on perceptron and human reorientation. Learning and Behavior, 2013, 41, 360-378.	0.5	0
8	A case study in Gantt charts as historiophoty: A century of psychology at the University of Alberta.. History of Psychology, 2013, 16, 145-157.	0.1	4
9	Differentiating models of associative learning: Reorientation, superconditioning, and the role of inhibition.. Journal of Experimental Psychology, 2013, 39, 273-286.	1.9	3
10	Equilibria of Perceptrons for Simple Contingency Problems. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1340-1344.	7.2	4
11	Development of a contact call in black-capped chickadees (Poecile atricapillus) hand-reared in different acoustic environments. Journal of the Acoustical Society of America, 2011, 130, 2249-2256.	0.5	6
12	Mechanisms of call note-type perception in black-capped chickadees (Poecile atricapillus): Peak shift in a note-type continuum.. Journal of Comparative Psychology (Washington, D C: 1983), 2010, 124, 109-115.	0.3	18
13	Using perceptrons to explore the reorientation task. Cognition, 2010, 114, 207-226.	1.1	29
14	Black-capped (Poecile atricapillus) and mountain chickadee (Poecile gambeli) contact call contains species, sex, and individual identity features. Journal of the Acoustical Society of America, 2010, 127, 1116-1123.	0.5	16
15	Review of The Cambridge handbook of situated cognition.. Canadian Psychology, 2010, 51, 69-71.	1.4	0
16	Simple Artificial Neural Networks That Match Probability and Exploit and Explore When Confronting a Multiarmed Bandit. IEEE Transactions on Neural Networks, 2009, 20, 1368-1371.	4.8	16
17	Connectionism and Classical Conditioning. Comparative Cognition and Behavior Reviews, 2008, 3, .	2.0	11
18	Learning about environmental geometry: A flaw in Miller and Shettleworth's (2007) operant model.. Journal of Experimental Psychology, 2008, 34, 415-418.	1.9	11

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19	Artificial Neural Networks that Classify Musical Chords. International Journal of Cognitive Informatics and Natural Intelligence, 2008, 2, 22-30.	0.4	13
20	Feature weighting in â€œchick-a-deeâ€•call notes of Poecile atricapillus. Journal of the Acoustical Society of America, 2007, 122, 2451-2458.	0.5	2
21	Representing an Intrinsically Nonmetric Space of Compass Directions in an Artificial Neural Network. International Journal of Cognitive Informatics and Natural Intelligence, 2007, 1, 53-65.	0.4	3
22	Statistical classification of black-capped (Poecile atricapillus) and mountain chickadee (Poecile) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.3	15
23	Using an artificial neural network to classify black-capped chickadee (Poecile atricapillus) call note types. Journal of the Acoustical Society of America, 2006, 119, 3161-3172.	0.5	23
24	Artificial neural network discrimination of black-capped chickadee (Poecile atricapillus) call notes. Journal of the Acoustical Society of America, 2006, 120, 1111-1117.	0.5	20
25	The effects of spatial layout on relationships between performance, path patterns and mental representation in a hypermedia information search task. Interactive Technology and Smart Education, 2005, 2, 31-46.	3.8	3
26	The implications of null patterns and output unit activation functions on simulation studies of learning: A case study of patterning. Learning and Motivation, 2005, 36, 88-103.	0.6	3
27	An Artificial Neural Network That Uses Coarse Allocentric Coding of Direction to Represent Distances Between Locations in a Metric Space. Spatial Cognition and Computation, 2005, 5, 29-67.	0.6	2
28	Functional localization and double dissociations: The relationship between internal structure and behavior. Brain and Cognition, 2005, 57, 146-150.	0.8	3
29	Chord Classifications by Artificial Neural Networks Revisited: Internal Representations of Circles of Major Thirds and Minor Thirds. Lecture Notes in Computer Science, 2005, , 605-610.	1.0	1
30	Hemispheric performance in object-based attention. Psychonomic Bulletin and Review, 2004, 11, 84-91.	1.4	7
31	Interpreting the Internal Structure of a Connectionist Model of the Balance Scale Task. Brain and Mind, 2003, 4, 129-149.	0.6	10
32	Temporal Frequency and Velocity-Like Tuning in the Pigeon Accessory Optic System. Journal of Neurophysiology, 2003, 90, 1829-1841.	0.9	37
33	Feature development, object concepts, and the scope slip. Behavioral and Brain Sciences, 2001, 24, 1146-1147.	0.4	0
34	Review of The logic of knowledge bases.. Canadian Psychology, 2001, 42, 321-323.	1.4	1
35	On the Subsymbolic Nature of a PDP Architecture that Uses a Nonmonotonic Activation Function. Minds and Machines, 2001, 11, 197-218.	2.7	15
36	A parallel distributed processing model of Wasonâ€™s selection task. Cognitive Systems Research, 2001, 2, 207-231.	1.9	17

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37	Using Extra Output Learning to Insert a Symbolic Theory into a Connectionist Network. Minds and Machines, 2000, 10, 171-201.	2.7	14
38	Title is missing!. Spatial Cognition and Computation, 2000, 2, 181-218.	0.6	8
39	Better theories are needed to distinguish perception from cognition. Behavioral and Brain Sciences, 1999, 22, 374-375.	0.4	1
40	The effect of adapting luminance on the latency of visual search1This research was supported by NSERC Research Grant A2038.1. Acta Psychologica, 1998, 99, 115-139.	0.7	3
41	Classification and Staging of Dementia of the Alzheimer Type. Archives of Neurology, 1997, 54, 1001.	4.9	23
42	PDP networks can provide models that are not mere implementations of classical theories. Philosophical Psychology, 1997, 10, 25-40.	0.5	27
43	The problems and prospects of comparative and noncomparative theoretical psychology: A response to Kukla. New Ideas in Psychology, 1995, 13, 219-222.	1.2	1
44	Density Plots of Hidden Value Unit Activations Reveal Interpretable Bands. Connection Science, 1995, 7, 167-187.	1.8	100
45	To what extent do beliefs affect apparent motion?. Philosophical Psychology, 1994, 7, 471-491.	0.5	47
46	Artificial neural networks that use single-photon emission tomography to identify patients with probable Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 1994, 21, 1303-1311.	2.2	24
47	Training redundant artificial neural networks: Imposing biology on technology. Psychological Research, 1994, 57, 54-62.	1.0	12
48	Polarity matching in the Ternus configuration. Vision Research, 1994, 34, 3347-3359.	0.7	70
49	Simultaneity in the Ternus configuration: psychophysical data and a computer model. Vision Research, 1994, 34, 397-407.	0.7	20
50	Making a middling mousetrap. Behavioral and Brain Sciences, 1993, 16, 454-455.	0.4	3
51	Modifying the Generalized Delta Rule to Train Networks of Non-monotonic Processors for Pattern Classification. Connection Science, 1992, 4, 19-31.	1.8	73
52	Autonomous processing in parallel distributed processing networks. Philosophical Psychology, 1992, 5, 199-219.	0.5	37
53	Measurement of directional lever response reaction time with the Commodore 64. Behavior Research Methods, 1992, 24, 541-544.	1.3	0
54	The how and why of what went where in apparent motion: Modeling solutions to the motion correspondence problem.. Psychological Review, 1991, 98, 569-603.	2.7	163

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55	Effects of adapting luminance and stimulus contrast on the temporal and spatial limits of short-range motion. Vision Research, 1990, 30, 415-429.	0.7	38
56	Empirical issues in theoretical psychology: Comment on Kukla.. American Psychologist, 1990, 45, 778-780.	3.8	2
57	The consistency of element transformations affects the visibility but not the direction of illusory motion. Spatial Vision, 1989, 4, 17-29.	1.4	51
58	Apparent motion and element connectedness. Spatial Vision, 1989, 4, 241-251.	1.4	52
59	Constraining tag-assignment from above and below. Behavioral and Brain Sciences, 1989, 12, 400-402.	0.4	2
60	Using hardware interrupts for timing visual displays and reaction-time key interfacing on the Commodore 64. Behavior Research Methods, 1988, 20, 41-48.	1.3	9
61	Fitting the ex-Gaussian equation to reaction time distributions. Behavior Research Methods, 1988, 20, 54-57.	1.3	56
62	Spatio-temporal parameters and the three-dimensionality of apparent motion: Evidence for two types of processing. Spatial Vision, 1987, 2, 263-272.	1.4	44
63	Moving contexts do affect the perceived direction of apparent motion in motion competition displays. Vision Research, 1987, 27, 799-809.	0.7	42
64	The multidimensional analysis of asymmetries in alphabetic confusion matrices: Evidence for global-to-local and local-to-global processing. Perception & Psychophysics, 1986, 40, 370-383.	2.3	8
65	From embodied cognitive science to synthetic psychology. , 0, , .		7
66	Performing More Logic with Perceptrons. , 0, , 81-85.		0
67	Network by Problem Type Interactions. , 0, , 91-93.		0
68	The Multilayer Perceptron. , 0, , 108-113.		0
69	Beyond the Perceptron's Limits. , 0, , 129-132.		0
70	Symmetry as a Second Case Study. , 0, , 133-136.		0
71	How Many Hidden Units?. , 0, , 137-144.		0
72	Scaling Up with the Parity Problem. , 0, , 145-150.		0

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73	Interpreting Networks of Value Units. , 0, , 163-173.		0
74	Interpreting Distributed Representations. , 0, , 174-182.		0
75	Introducing Hebb Learning. , 0, , 22-29.		0
76	Distributed Networks and Human Memory. , 0, , 41-45.		0
77	Limitations of Delta Rule Learning. , 0, , 46-47.		0