

Daniel S Levine

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

1,427
citations

19
h-index

37
g-index

91
ext. papers

1,585
ext. citations

3.4
avg, IF

4.63
L-index

#	Paper	IF	Citations
78	Neural dynamics of attentionally modulated Pavlovian conditioning: blocking, interstimulus interval, and secondary reinforcement. <i>Applied Optics</i> , 1987 , 26, 5015-30	1.7	193
77	Some developmental and attentional biases in the contrast enhancement and short term memory of recurrent neural networks. <i>Journal of Theoretical Biology</i> , 1975 , 53, 341-80	2.3	152
76	Modeling some effects of frontal lobe damage: Novelty and perseveration. <i>Neural Networks</i> , 1989 , 2, 103-116	9.1	136
75	Visual illusions in neural networks: line neutralization, tilt after effect, and angle expansion. <i>Journal of Theoretical Biology</i> , 1976 , 61, 477-504	2.3	102
74	Neural population modeling and psychology: A review. <i>Mathematical Biosciences</i> , 1983 , 66, 1-86	3.9	66
73	On predator-prey interactions with predation dependent on age of prey. <i>Mathematical Biosciences</i> , 1979 , 47, 207-219	3.9	66
72	Brain pathways for cognitive-emotional decision making in the human animal. <i>Neural Networks</i> , 2009 , 22, 286-93	9.1	64
71	Nurture, Nature, and Caring: We Are Not Prisoners of Our Genes. <i>Brain and Mind</i> , 2002 , 3, 9-52		63
70	Neural dynamics of idea generation and the effects of priming. <i>Neural Networks</i> , 2009 , 22, 674-86	9.1	46
69	On Populations that Cannibalize Their Young. <i>SIAM Journal on Applied Mathematics</i> , 1982 , 42, 94-108	1.8	42
68	SIMPLIFYING HEURISTICS VERSUS CAREFUL THINKING: SCIENTIFIC ANALYSIS OF MILLENNIAL SPIRITUAL ISSUES. <i>Zygon</i> , 2008 , 43, 797-821	0.3	35
67	On the stability of a predator-prey system with egg-eating predators. <i>Mathematical Biosciences</i> , 1981 , 56, 27-46	3.9	31
66	Optimal control of nonlinear discrete time-varying systems using a new neural network approximation structure. <i>Neurocomputing</i> , 2015 , 156, 157-165	5.4	30
65	Neural modeling of the dual motive theory of economics. <i>Journal of Socio-Economics</i> , 2006 , 35, 613-625		30
64	Multiattribute Decision Making in Context: A Dynamic Neural Network Methodology. <i>Cognitive Science</i> , 1996 , 20, 271-299	2.2	30
63	Introduction to Neural and Cognitive Modeling		30
62	Modeling Ideational Creativity in Groups: Connecting Cognitive, Neural, and Computational Approaches. <i>Small Group Research</i> , 2010 , 41, 688-724	2.5	27

61	The Drive for Creativity and the Escape from Creativity: Neurocognitive Mechanisms. <i>Cognitive Computation</i> , 2012 , 4, 292-305	4.4	22
60	Neural dynamics of affect, gist, probability, and choice. <i>Cognitive Systems Research</i> , 2012 , 15-16, 57-72	4.8	20
59	A neural network theory of proportional analogy-making. <i>Neural Networks</i> , 2000 , 13, 149-83	9.1	19
58	Emotion in the Pursuit of Understanding. <i>International Journal of Synthetic Emotions</i> , 2010 , 1, 1-11	0.3	17
57	Parallel distributed processing and neuropsychology: a neural network model of Wisconsin Card Sorting and verbal fluency. <i>Neuropsychology Review</i> , 1992 , 3, 213-33	7.7	15
56	Angels, Devils, and Censors in the Brain. <i>Complexus</i> , 2004 , 2, 35-59		14
55	Neural network principles for theoretical psychology. <i>Behavior Research Methods</i> , 1989 , 21, 213-224		14
54	Parallel distributed processing and neural networks: origins, methodology and cognitive functions. <i>International Journal of Neuroscience</i> , 1991 , 60, 195-214	2	12
53	Methodological and theoretical issues in neural network models of frontal cognitive functions. <i>International Journal of Neuroscience</i> , 1993 , 72, 209-33	2	11
52	Qualitative theory of a third-order nonlinear system with examples in population dynamics and chemical kinetics. <i>Mathematical Biosciences</i> , 1985 , 77, 17-33	3.9	10
51	Bifurcating periodic solutions for a class of age-structured predator-prey systems. <i>Bulletin of Mathematical Biology</i> , 1983 , 45, 901-915	2.1	10
50	A network model of rational versus irrational choices on a probability maximization task 2008 ,		8
49	Modeling the role of frontal lobes in sequential task performance. I. Basic structure and primacy effects. <i>Neural Networks</i> , 1994 , 7, 1167-1180	9.1	7
48	How Does the Brain Create, Change, and Selectively Override its Rules of Conduct? 2007 , 163-181		7
47	Introduction to the Special Issue on Brain Development and Caring Behavior. <i>Brain and Mind</i> , 2002 , 3, 1-7		6
46	A neural network model of foraging decisions made under predation risk. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2005 , 5, 434-51	3.5	6
45	Response-Scale Formats and Psychological Distances Between Categories. <i>Applied Psychological Measurement</i> , 2016 , 40, 73-75	1.5	5
44	Neural dynamics of psychotherapy: what modeling might tell us about us. <i>Neural Networks</i> , 2005 , 18, 639-45	9.1	5

43	Exploring connectionist approaches to legal decision making. <i>Systems Research and Behavioral Science</i> , 1991 , 36, 133-139		5
42	Optimal control using adaptive resonance theory and Q-learning. <i>Neurocomputing</i> , 2019 , 361, 119-125	5.4	4
41	I think therefore I feel: Possible neural mechanisms for knowledge-based pleasure 2012 ,		4
40	Parallel Distributed Processing and Neural Networks: Origins, Methodology and Cognitive Functions. <i>International Journal of Neuroscience</i> , 1991 , 60, 195-214	2	4
39	Models of age-dependent predation and cannibalism via the McKendrick equation. <i>Computers and Mathematics With Applications</i> , 1983 , 9, 403-414	2.7	4
38	Toward a neuro-developmental theory of decision attribute weighting 2016 ,		3
37	One or two minds? Neural network modeling of decision making by the unified self. <i>Neural Networks</i> , 2019 , 120, 74-85	9.1	3
36	An attentional theory of emotional influences on risky decisions. <i>Progress in Brain Research</i> , 2013 , 202, 369-88	2.9	3
35	Neural Network Models of Human Executive Function and Decision Making 2017 , 105-127		3
34	Learning and encoding higher order rules in neural networks. <i>Behavior Research Methods</i> , 1995 , 27, 178-182		3
33	Unbounded Oscillatory Solutions for a System of Interacting Populations. <i>SIAM Journal on Applied Mathematics</i> , 1985 , 45, 268-279	1.8	3
32	Existence of a limiting pattern for a system of nonlinear equations describing interpopulation competition. <i>The Bulletin of Mathematical Biophysics</i> , 1979 , 41, 617-628		3
31	Modeling the instinctive-emotional-thoughtful mind. <i>Cognitive Systems Research</i> , 2017 , 45, 82-94	4.8	3
30	The Dark Triad trait of psychopathy and message framing predict risky decision-making during the COVID-19 pandemic. <i>International Journal of Psychology</i> , 2021 , 56, 623-631	1.9	3
29	A neural network model of decisions on the Asian Disease Problem 2015 ,		2
28	Neural network modeling of business decision making 2017 ,		2
27	2012 ,		2
26	Inhibition in the nervous system: models of its roles in choice and context determination. <i>Neurochemical Research</i> , 1991 , 16, 381-95	4.6	2

25	SURVIVAL OF THE SYNAPSES. <i>The Sciences</i> , 1988 , 28, 46-52		2
24	Brain Mechanisms for Making, Breaking, and Changing Rules. <i>Communications in Computer and Information Science</i> , 2008 , 345-355	0.3	2
23	Theory of the Brain and Mind 2019 , 191-203		2
22	Value Maps, Drives, and Emotions 2011 , 135-168		2
21	Evolutionary Neuroscience and Motivation in Organizations. <i>Monographs in Leadership and Management</i> , 2015 , 143-167		1
20	Drive for Creativity 2010 ,		1
19	Evolution or culture, but music may soothe the savage breast. Commentary on Leonid Perlovsky, Musical emotions: functions, origins, evolution. <i>Physics of Life Reviews</i> , 2010 , 7, 39-40; discussion 49-54	2.1	1
18	is all affiliation the same? facilitation or complementarity?. <i>Behavioral and Brain Sciences</i> , 2005 , 28,	0.9	1
17	In partial defense of softness. <i>Behavioral and Brain Sciences</i> , 2001 , 24, 421-422	0.9	1
16	The example of psychology: Optimism, not optimality. <i>Behavioral and Brain Sciences</i> , 1991 , 14, 225-226	0.9	1
15	Explanatory coherence in neural networks?. <i>Behavioral and Brain Sciences</i> , 1989 , 12, 479-479	0.9	1
14	A nonlinear compartmental formulation for some classical population interactions. <i>Mathematical Biosciences</i> , 1986 , 78, 131-141	3.9	1
13	Some Age-Structure Effects in Predator-Prey Models. <i>Lecture Notes in Biomathematics</i> , 1983 , 304-316		1
12	Introduction to the special issue on goal-directed neural systems. <i>Neural Networks</i> , 2009 , 22, 197-9	9.1	
11	Executive dysfunction screening test for neuropsychiatric disorders. <i>International Journal of Neuroscience</i> , 2007 , 117, 507-18		2
10	Connectionism and motivation are compatible. <i>Behavioral and Brain Sciences</i> , 1987 , 10, 487-487	0.9	
9	Is chaos the only alternative to rigidity?. <i>Behavioral and Brain Sciences</i> , 1987 , 10, 180-180	0.9	
8	Toward a unified theory of visual perception. <i>Behavioral and Brain Sciences</i> , 1983 , 6, 670	0.9	

- 7 Periodic or Unbounded Solutions for a Class of Three-Dimensional ODE Systems with Biological Applications. *North-Holland Mathematics Studies*, **1985**, 263-274
- 6 Emotion in the Pursuit of Understanding 106-117
- 5 Heuristics of Numerical Choice in Economic Contexts. *Springer Series in Cognitive and Neural Systems*, **2019**, 217-241 0.3
- 4 MODELS OF AGE-DEPENDENT PREDATION AND CANNIBALISM VIA THE McKENDRICK EQUATION **1983**, 403-414
- 3 Modeling Dysfunction of the Prefrontal Executive System. *Progress in Neural Processing*, **1996**, 413-439
- 2 Certain and Uncertain Futures in the Brain. *Cognitive Systems Monographs*, **2016**, 71-80 0.2
- 1 MODELS OF PREDATION AND CANNIBALISM IN AGE-STRUCTURED POPULATIONS **1981**, 145-161