

# Eric B Baum

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6376415/publications.pdf>

Version: 2024-02-01

26  
papers

2,223  
citations

623574

14  
h-index

677027

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1000  
citing authors

#	ARTICLE	IF	CITATIONS
1	What Size Net Gives Valid Generalization?. Neural Computation, 1989, 1, 151-160.	1.3	1,317
2	On the capabilities of multilayer perceptrons. Journal of Complexity, 1988, 4, 193-215.	0.7	274
3	Zero cosmological constant from minimum action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 133, 185-186.	1.5	148
4	A Proposal for More Powerful Learning Algorithms. Neural Computation, 1989, 1, 201-207.	1.3	65
5	Rush Hour is PSPACE-complete, or "Why you should generously tip parking lot attendants". Theoretical Computer Science, 2002, 270, 895-911.	0.5	62
6	On learning a union of half spaces. Journal of Complexity, 1990, 6, 67-101.	0.7	57
7	The Perceptron Algorithm is Fast for Nonmalicious Distributions. Neural Computation, 1990, 2, 248-260.	1.3	48
8	On genetic algorithms. , 1995, , .		45
9	A Bayesian approach to relevance in game playing. Artificial Intelligence, 1997, 97, 195-242.	3.9	34
10	Toward a Model of Intelligence as an Economy of Agents. Machine Learning, 1999, 35, 155-185.	3.4	30
11	The Transition to Perfect Generalization in Perceptrons. Neural Computation, 1991, 3, 386-401.	1.3	23
12	Where Genetic Algorithms Excel. Evolutionary Computation, 2001, 9, 93-124.	2.3	21
13	A Polynomial Time Algorithm That Learns Two Hidden Unit Nets. Neural Computation, 1990, 2, 510-522.	1.3	19
14	When are k-nearest neighbor and back propagation accurate for feasible sized sets of examples?. Lecture Notes in Computer Science, 1990, , 1-25.	1.0	16
15	Intractable Computations without Local Minima. Physical Review Letters, 1986, 57, 2764-2767.	2.9	14
16	Evolution of Cooperative Problem Solving in an Artificial Economy. Neural Computation, 2000, 12, 2743-2775.	1.3	14
17	Embeddings of Ultrametric Spaces in Finite Dimensional Structures. SIAM Journal on Algebraic and Discrete Methods, 1987, 8, 564-577.	0.8	11
18	Bounds on the Size of Ultrametric Structures. Physical Review Letters, 1986, 56, 1598-1600.	2.9	5

#	ARTICLE	IF	CITATIONS
19	Polynomial Time Algorithms For Learning Neural Nets. , 1990, , 258-272.		5
20	An Artificial Economy of Post Production Systems. Lecture Notes in Computer Science, 2001, , 3-20.	1.0	4
21	Project to Build Programs that Understand. , 2009, , .		4
22	Toward Code Evolution by Artificial Economies. Natural Computing Series, 2002, , 314-332.	2.2	3
23	Baum replies. Physical Review Letters, 1987, 59, 374-374.	2.9	2
24	Did courtship drive the evolution of mind?. Behavioral and Brain Sciences, 1996, 19, 155-156.	0.4	1
25	Propagating Distributions Up Directed Acyclic Graphs. Neural Computation, 1999, 11, 215-227.	1.3	1
26	Relevance Based Planning: Why Its a Core Process for AGI. , 2009, , .		0