Thomas Natschläger

List of Publications by Year
in descending order

		516710	677142
24 papers	4,782 citations	16 h-index	22 g-index
24 all docs	24 docs citations	24 times ranked	3965 citing authors

#	Article	IF	Citations
1	Multi-source transfer learning of time series in cyclical manufacturing. Journal of Intelligent Manufacturing, 2020, 31, 777-787.	7.3	19
2	Robust unsupervised domain adaptation for neural networks via moment alignment. Information Sciences, 2019, 483, 174-191.	6.9	58
3	Generalized online transfer learning for climate control in residential buildings. Energy and Buildings, 2017, 139, 63-71.	6.7	43
4	Multi-Domain Transfer Component Analysis for Domain Generalization. Neural Processing Letters, 2017, 46, 845-855.	3.2	25
5	Online transfer learning for climate control in residential buildings. , 2016, , .		2
6	Domain Generalization Based on Transfer Component Analysis. Lecture Notes in Computer Science, 2015, , 325-334.	1.3	11
7	Sensitivity Analysis and Validation of an EnergyPlus Model of a House in Upper Austria. Energy Procedia, 2014, 62, 472-481.	1.8	28
8	PCSIM: A Parallel Simulation Environment for Neural Circuits Fully Integrated with Python. Frontiers in Neuroinformatics, 2009, 3, 11.	2.5	74
9	Simulation of networks of spiking neurons: A review of tools and strategies. Journal of Computational Neuroscience, 2007, 23, 349-398.	1.0	639
10	Dynamics of information and emergent computation in generic neural microcircuit models. Neural Networks, 2005, 18, 1301-1308.	5.9	8
11	Fading memory and kernel properties of generic cortical microcircuit models. Journal of Physiology (Paris), 2004, 98, 315-330.	2.1	69
12	Real-Time Computation at the Edge of Chaos in Recurrent Neural Networks. Neural Computation, 2004, 16, 1413-1436.	2.2	584
13	Computer Models and Analysis Tools for Neural Microcircuits. , 2003, , 123-138.		29
14	Real-Time Computing Without Stable States: A New Framework for Neural Computation Based on Perturbations. Neural Computation, 2002, 14, 2531-2560.	2.2	2,887
15	Spiking neurons and the induction of finite state machines. Theoretical Computer Science, 2002, 287, 251-265.	0.9	37
16	Computing the Optimally Fitted Spike Train for a Synapse. Neural Computation, 2001, 13, 2477-2494.	2.2	16
17	A Model for Fast Analog Computation Based on Unreliable Synapses. Neural Computation, 2000, 12, 1679-1704.	2.2	26
18	Spatial and temporal pattern analysis via spiking neurons. Network: Computation in Neural Systems, 1998, 9, 319-332.	3.6	84

#	Article	IF	Citations
19	Associative Memory with Networks of Spiking Neurons in Temporal Coding. Progress in Neural Processing, 1998, , 21-32.	0.3	5
20	Spatial and temporal pattern analysis via spiking neurons. Network: Computation in Neural Systems, 1998, 9, 319-332.	3.6	72
21	Online Clustering with Spiking Neurons Using Temporal Coding. Progress in Neural Processing, 1998, , 33-42.	0.3	3
22	Networks of spiking neurons can emulate arbitrary Hopfield nets in temporal coding. Network: Computation in Neural Systems, 1997, 8, 355-371.	3.6	28
23	Networks of spiking neurons can emulate arbitrary Hopfield nets in temporal coding. Network: Computation in Neural Systems, 1997, 8, 355-371.	3.6	25
24	Exact VC-dimension of Boolean monomials. Information Processing Letters, 1996, 59, 19-20.	0.6	10