Nagarajan Kandasamy

List of Publications by Year
in descending order

32 papers	1,201 citations	933447 10 h-index	996975 15 g-index
32 all docs	32 docs citations	32 times ranked	834 citing authors

#	Article	IF	Citations
1	Endurance-Aware Mapping of Spiking Neural Networks to Neuromorphic Hardware. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 288-301.	5.6	23
2	Design-Technology Co-Optimization for NVM-Based Neuromorphic Processing Elements. Transactions on Embedded Computing Systems, 2022, 21, 1-27.	2.9	7
3	Enabling Resource-Aware Mapping of Spiking Neural Networks via Spatial Decomposition. IEEE Embedded Systems Letters, 2021, 13, 142-145.	1.9	15
4	A generalized framework for analytic regularization of uniform cubic B-spline displacement fields. Biomedical Physics and Engineering Express, 2021, 7, 045011.	1.2	0
5	Dynamic Reliability Management in Neuromorphic Computing. ACM Journal on Emerging Technologies in Computing Systems, 2021, 17, 1-27.	2.3	15
6	NeuroXplorer 1.0: An Extensible Framework for Architectural Exploration with Spiking Neural Networks. , 2021, , .		13
7	A Design Flow for Mapping Spiking Neural Networks to Many-Core Neuromorphic Hardware. , 2021, , .		18
8	Compiling Spiking Neural Networks to Neuromorphic Hardware. , 2020, , .		31
9	Exploiting inter- and intra-memory asymmetries for data mapping in hybrid tiered-memories. , 2020, , .		14
10	Improving phase change memory performance with data content aware access. , 2020, , .		26
11	Improving Dependability of Neuromorphic Computing With Non-Volatile Memory. , 2020, , .		16
12	Data Reduction, Compression, and Recovery for Online Performance Monitoring. , 2019, , .		1
13	A Framework to Explore Workload-Specific Performance and Lifetime Trade-offs in Neuromorphic Computing. IEEE Computer Architecture Letters, 2019, 18, 149-152.	1.5	21
14	An Efficient Strategy for Online Performance Monitoring of Datacenters via Adaptive Sampling. IEEE Transactions on Cloud Computing, 2019, 7, 155-169.	4.4	4
15	Enabling and Exploiting Partition-Level Parallelism (PALP) in Phase Change Memories. Transactions on Embedded Computing Systems, 2019, 18, 1-25.	2.9	23
16	Detecting Incipient Faults in Software Systems: A Compressed Sampling-Based Approach. , 2016, , .		1
17	A New Approach to Dimensionality Reduction for Anomaly Detection in Data Traffic. IEEE Transactions on Network and Service Management, 2016, 13, 651-665.	4.9	33
18	Hardware implementation of low-overhead data aided timing and Carrier Frequency Offset correction for OFDM signals. , 2015, , .		1

#	Article	IF	Citations
19	Entropy-Based Detection of Incipient Faults in Software Systems. , 2012, , .		2
20	SDC testbed: Software defined communications testbed for wireless radio and optical networking. , 2011, , .		19
21	Combined Power and Performance Management of Virtualized Computing Environments Serving Session-Based Workloads. IEEE Transactions on Network and Service Management, 2011, 8, 245-258.	4.9	17
22	On the application of predictive control techniques for adaptive performance management of computing systems. IEEE Transactions on Network and Service Management, 2009, 6, 212-225.	4.9	37
23	Power and performance management of virtualized computing environments via lookahead control. Cluster Computing, 2009, 12, 1-15.	5.0	563
24	Power and Performance Management of Virtualized Computing Environments Via Lookahead Control. , 2008, , .		188
25	Distributed Cooperative Control for Adaptive Performance Management. IEEE Internet Computing, 2007, 11, 31-39.	3.3	9
26	Fault-Adaptive Control for Robust Performance Management of Computing Systems. , 2007, , .		0
27	Approximation Modeling for the Online Performance Management of Distributed Computing Systems. , 2007, , .		13
28	Risk-aware limited lookahead control for dynamic resource provisioning in enterprise computing systems. Cluster Computing, 2007, 10, 395-408.	5.0	31
29	A self-managing wide-area data streaming service. Cluster Computing, 2007, 10, 365-383.	5.0	6
30	A Self-Managing Wide-Area Data Streaming Service using Model-based Online Control. , 2006, , .		9
31	An online predictive control framework for designing self-managing computing systems. Multiagent and Grid Systems, 2005, 1, 63-72.	0.9	3
32	Online control for self-management in computing systems. , 0, , .		42