Pietro Mercati

List of Publications by Year
in descending order

22 papers	232 citations	1937685 4 h-index	1872680 6 g-index
22 all docs	22 docs citations	22 times ranked	224 citing authors

#	Article	IF	Citations
1	Workload and user experience-aware dynamic reliability management in multicore processors. , 2013, , .		38
2	RAMBO: Resource Allocation for Microservices Using Bayesian Optimization. IEEE Computer Architecture Letters, 2021, 20, 46-49.	1.5	28
3	ReMAM: Low energy Resistive Multi-stage Associative Memory for energy efficient computing. , 2016, , .		25
4	WARM: Workload-Aware Reliability Management in Linux/Android. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2017, 36, 1557-1570.	2.7	24
5	P^4: Phase-based power/performance prediction of heterogeneous systems via neural networks. , 2017, , .		21
6	Multi-Stage Tunable Approximate Search in Resistive Associative Memory. IEEE Transactions on Multi-Scale Computing Systems, 2018, 4, 17-29.	2.4	17
7	Dynamic variability management in mobile multicore processors under lifetime constraints. , 2014, , .		12
8	NSF expedition on variability-aware software: Recent results and contributions. IT - Information Technology, 2015, 57, 181-198.	0.9	10
9	Multi-variable Dynamic Power Management for the GPU Subsystem. , 2017, , .		9
10	Dynamic Optimization of Battery Health in IoT Networks. , 2019, , .		9
11	A Linux-governor based Dynamic Reliability Manager for android mobile devices. , 2014, , .		8
12	User-centric Joint Power and Thermal Management for Smartphones. , 2014, , .		6
13	Reinforcement learning based reliability-aware routing in IoT networks. Ad Hoc Networks, 2022, 132, 102869.	5.5	6
14	An On-line Reliability Emulation Framework. , 2014, , .		4
15	RelIoT: Reliability Simulator for IoT Networks. Lecture Notes in Computer Science, 2020, , 63-81.	1.3	4
16	A Linux-governor based Dynamic Reliability Manager for android mobile devices. , 2014, , .		3
17	Energy and QoS-Aware Dynamic Reliability Management of IoT Edge Computing Systems. , 2021, , .		3
18	BLAST: Battery Lifetime-constrained Adaptation with Selected Target in Mobile Devices. , 2015, , .		3

#	Article	IF	Citations
19	VarDroid. , 2016, , .		1
20	Simulating Reliability of IoT Networks with RelIoT. , 2020, , .		1
21	Improving Mean Time to Failure of IoT Networks with Reliability-Aware Routing. , 2021, , .		0
22	Automatic Tuning of Tensorflow's CPU Backend Using Gradient-Free Optimization Algorithms. Lecture Notes in Computer Science, 2021, , 249-266.	1.3	0