Roberto Palmieri

List of Publications by Year in Descending Order

58 papers	312 citations	9 h-index	14 g-index
78 ext. papers	419 ext. citations	1.3 avg, IF	3.44 L-index

#	Paper	IF	Citations
58	Taming the Contention in Consensus-based Distributed Systems. *IEEE Transactions on Dependable and Secure Computing*, **2020**, 1-1	3.9	
57	Don't Forget About Synchronization! **2019**,		6
56	Processing transactions in a predefined order **2019**,		6
55	**2019**,		1
54	Lerna. *ACM Transactions on Storage*, **2019**, 15, 1-24	1	0
53	Lerna **2018**,		1
52	HiperTM: High performance, fault-tolerant transactional memory. *Theoretical Computer Science*, **2017**, 688, 86-102	1.1	1
51	Managing Resource Limitation of Best-Effort HTM. *IEEE Transactions on Parallel and Distributed Systems*, **2017**, 28, 2299-2313	3.7	2
50	Speeding up Consensus by Chasing Fast Decisions **2017**,		9
49	. *IEEE Transactions on Parallel and Distributed Systems*, **2017**, 28, 3600-3614	3.7	2
48	Automated Data Partitioning for Highly Scalable and Strongly Consistent Transactions. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 106-118	3.7	12
47	Exploiting Parallelism of Distributed Nested Transactions **2016**,		1
46	Leaderless Consensus: The State of the Art **2016**,		2
45	Extending TM Primitives using Low Level Semantics **2016**,		2
44	On Open Nesting in Distributed Transactional Memory. *IEEE Transactions on Computers*, **2016**, 65, 1856-1868	2.5	1
43	Remote Transaction Commit: Centralizing Software Transactional Memory Commits. *IEEE Transactions on Computers*, **2016**, 65, 2228-2240	2.5	1
42	Opacity vs TMS2: Expectations and Reality. *Lecture Notes in Computer Science*, **2016**, 269-283	0.9	2

41	On designing NUMA-aware concurrency control for scalable transactional memory. *ACM SIGPLAN Notices*, **2016**, 51, 1-2	0.2	
40	On designing NUMA-aware concurrency control for scalable transactional memory **2016**,		1
39	Making Fast Consensus Generally Faster **2016**,		17
38	On ordering transaction commit **2016**,		2
37	Disjoint-Access Parallelism **2015**,		4
36	On Scheduling Best-Effort HTM Transactions **2015**,		2
35	Managing Resource Limitation of Best-Effort HTM **2015**,		2
34	On Exploiting Locality for Generalized Consensus **2015**,		1
33	On Reducing False Conflicts in Distributed Transactional Data Structures **2015**,		1
32	Reducing Aborts in Distributed Transactional Systems through Dependency Detection **2015**,		1
31	Transactional Interference-Less Balanced Tree. *Lecture Notes in Computer Science*, **2015**, 325-340	0.9	2
30	Transaction Execution Models in Partially Replicated Transactional Memory: The Case for Data-Flow and Control-Flow. *Lecture Notes in Computer Science*, **2015**, 341-366	0.9	4
29	On Scheduling in Distributed Transactional Memory: Techniques and Tradeoffs **2015**, 1267-1283		
28	Cloud-TM **2015**, 749-781		
27	On speculative replication of transactional systems. *Journal of Computer and System Sciences*, **2014**, 80, 257-276	1	16
26	Speculative client execution in deferred update replication **2014**,		2
25	Optimistic transactional boosting **2014**,		7
24	Archie **2014**,		18

23	Optimistic transactional boosting. *ACM SIGPLAN Notices*, **2014**, 49, 387-388	0.2	8
22	Remote Invalidation: Optimizing the Critical Path of Memory Transactions **2014**,		4
21	Adaptive Live Migration to Improve Load Balancing in Virtual Machine Environment. *Lecture Notes in Computer Science*, **2014**, 116-125	0.9	6
20	Distributed Transactional Contention Management as the Traveling Salesman Problem. *Lecture Notes in Computer Science*, **2014**, 54-67	0.9	8
19	On Developing Optimistic Transactional Lazy Set. *Lecture Notes in Computer Science*, **2014**, 437-452	0.9	9
18	Be General and Don Give Up Consistency in Geo-Replicated Transactional Systems. *Lecture Notes in Computer Science*, **2014**, 33-48	0.9	9
17	HiperTM: High Performance, Fault-Tolerant Transactional Memory. *Lecture Notes in Computer Science*, **2014**, 181-196	0.9	8
16	HyflowCPP: A Distributed Transactional Memory Framework for C++ **2013**,		4
15	On the Viability of Speculative Transactional Replication in Database Systems: A Case Study with PostgreSQL **2013**,		2
14	Hyflow2 **2013**,		12
13	Enhancing Concurrency in Distributed Transactional Memory through Commutativity. *Lecture Notes in Computer Science*, **2013**, 150-161	0.9	6
12	Cloud-TM **2013**, 192-224		
11	Scheduling Open-Nested Transactions in Distributed Transactional Memory. *Lecture Notes in Computer Science*, **2013**, 105-120	0.9	0
10	ByteSTM: Virtual Machine-Level Java Software Transactional Memory. *Lecture Notes in Computer Science*, **2013**, 166-180	0.9	1
9	On the analytical modeling of concurrency control algorithms for Software Transactional Memories: The case of Commit-Time-Locking. *Performance Evaluation*, **2012**, 69, 187-205	1.2	22
8	Automated Workload Characterization in Cloud-based Transactional Data Grids **2012**,		12
7	ASAP: An Aggressive SpeculAtive Protocol for Actively Replicated Transactional Systems **2012**,		3
6	Integrated Monitoring of Infrastructures and Applications in Cloud Environments. *Lecture Notes in Computer Science*, **2012**, 45-53	0.9	3

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5	OSARE: Opportunistic Speculation in Actively REplicated Transactional Systems **2011**,	23
4	Analytical modeling of lock-based concurrency control with arbitrary transaction data access patterns **2010**,	8
3	AGGRO: Boosting STM Replication via Aggressively Optimistic Transaction Processing **2010**,	14
2	Evaluating database-oriented replication schemes in Software Transactional Memory systems **2010**,	8
1	An Optimal Speculative Transactional Replication Protocol **2010**,	5