Tiziano De Matteis

List of Publications by Year
in descending order

26 papers	389 citations	1163117 8 h-index	1372567 10 g-index
27 all docs	27 docs citations	27 times ranked	293 citing authors

#	Article	IF	Citations
1	Proactive elasticity and energy awareness in data stream processing. Journal of Systems and Software, 2017, 127, 302-319.	4.5	65
2	Keep calm and react with foresight. , 2016, , .		40
3	D2K. , 2018, , .		37
4	Parallel Patterns for Window-Based Stateful Operators on Data Streams: An Algorithmic Skeleton Approach. International Journal of Parallel Programming, 2017, 45, 382-401.	1.5	24
5	Streaming message interface. , 2019, , .		24
6	Elastic Scaling for Distributed Latency-Sensitive Data Stream Operators. , 2017, , .		22
7	Bringing Parallel Patterns Out of the Corner. Transactions on Architecture and Code Optimization, 2017, 14, 1-26.	2.0	18
8	Simplifying self-adaptive and power-aware computing with Nornir. Future Generation Computer Systems, 2018, 87, 136-151.	7.5	18
9	FBLAS: Streaming Linear Algebra on FPGA. , 2020, , .		16
10	Productivity, portability, performance. , 2021, , .		14
11	Parallel Continuous Preference Queries over Out-of-Order and Bursty Data Streams. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2608-2624.	5.6	12
12	A divide-and-conquer parallel pattern implementation for multicores. , 2016, , .		11
13	GASSER: An Auto-Tunable System for General Sliding-Window Streaming Operators on GPUs. IEEE Access, 2019, 7, 48753-48769.	4.2	11
14	StencilFlow: Mapping Large Stencil Programs to Distributed Spatial Computing Systems. , 2021, , .		11
15	Optimizing message-passing on multicore architectures using hardware multi-threading. , 2014, , .		10
16	Data stream processing via code annotations. Journal of Supercomputing, 2018, 74, 5659-5673.	3.6	8
17	A Multicore Parallelization of Continuous Skyline Queries on Data Streams. Lecture Notes in Computer Science, 2015, , 402-413.	1.3	8
18	P 3 ARSEC. , 2017, , .		8

#	Article	IF	Citations
19	Parallelizing High-Frequency Trading Applications by Using C++11 Attributes. , 2015, , .		6
20	Evaluating Concurrency Throttling and Thread Packing on SMT Multicores. , 2017, , .		6
21	A High-Throughput and Low-Latency Parallelization of Window-Based Stream Joins on Multicores. , 2014, , .		5
22	Evaluation of Architectural Supports for Fine-Grained Synchronization Mechanisms. , 2013, , .		5
23	A Lightweight Run-Time Support for Fast Dense Linear Algebra on Multi-Core. , 2014, , .		5
24	Reducing Message Latency and CPU Utilization in the CAF Actor Framework. , 2018, , .		2
25	The RePhrase Extended Pattern Set for Data Intensive Parallel Computing. International Journal of Parallel Programming, 2019, 47, 74-93.	1.5	2
26	Autonomic parallel Data Stream Processing. , 2014, , .		0