

Silvia Bonomi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

231
citations

8
h-index

11
g-index

64
ext. papers

316
ext. citations

1.5
avg, IF

3.21
L-index

#	Paper	IF	Citations
54	Emerging and Established Trends to Support Secure Health Information Exchange. <i>Frontiers in Digital Health</i> , 2021 , 3, 636082	2.3	3
53	Toward a Context-Aware Methodology for Information Security Governance Assessment Validation. <i>Lecture Notes in Computer Science</i> , 2021 , 171-187	0.9	
52	Broadcasting Information in Multi-hop Networks Prone to Mobile Byzantine Faults. <i>Lecture Notes in Computer Science</i> , 2021 , 112-128	0.9	
51	Boosting the Efficiency of Byzantine-Tolerant Reliable Communication. <i>Lecture Notes in Computer Science</i> , 2020 , 29-44	0.9	
50	Cyber-attacks and threats for healthcare - a multi-layer thread analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 5705-5708	0.9	6
49	Approximate Agreement under Mobile Byzantine Faults. <i>Theoretical Computer Science</i> , 2019 , 758, 17-29	1.1	7
48	Building an emulation environment for cyber security analyses of complex networked systems 2019 ,		3
47	MAD: A visual analytics solution for Multi-step cyber Attacks Detection. <i>Journal of Computer Languages</i> , 2019 , 52, 10-24	1.5	3
46	PASCAL: An architecture for proactive auto-scaling of distributed services. <i>Future Generation Computer Systems</i> , 2019 , 98, 342-361	7.5	5
45	Multi-hop Byzantine reliable broadcast with honest dealer made practical. <i>Journal of the Brazilian Computer Society</i> , 2019 , 25,	1.9	2
44	Elastic Symbiotic Scaling of Operators and Resources in Stream Processing Systems. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018 , 29, 572-585	3.7	23
43	An Attack Graph-based On-line Multi-step Attack Detector 2018 ,		2
42	Optimal self-stabilizing synchronous mobile Byzantine-tolerant atomic register. <i>Theoretical Computer Science</i> , 2018 , 709, 64-79	1.1	2
41	Multi-hop Byzantine Reliable Broadcast Made Practical 2018 ,		1
40	Brief Announcement: Optimal Self-stabilizing Mobile Byzantine-Tolerant Regular Register with Bounded Timestamps. <i>Lecture Notes in Computer Science</i> , 2018 , 398-403	0.9	2
39	BeeĀ Strategy Against Byzantines Replacing Byzantine Participants. <i>Lecture Notes in Computer Science</i> , 2018 , 139-153	0.9	2
38	Reliable Broadcast in Dynamic Networks with Locally Bounded Byzantine Failures. <i>Lecture Notes in Computer Science</i> , 2018 , 170-185	0.9	7

37	Optimal Storage under Unsynchronized Mobile Byzantine Faults 2017 ,		3
36	Building Regular Registers with Rational Malicious Servers and Anonymous Clients. <i>Lecture Notes in Computer Science</i> , 2017 , 50-67	0.9	1
35	Implementing set objects in dynamic distributed systems. <i>Journal of Computer and System Sciences</i> , 2016 , 82, 654-689	1	6
34	Optimal Mobile Byzantine Fault Tolerant Distributed Storage 2016 ,		5
33	Tight self-stabilizing mobile byzantine-tolerant atomic register 2016 ,		3
32	Approximate Agreement under Mobile Byzantine Faults 2016 ,		7
31	Efficient Notification Ordering for Geo-Distributed Pub/Sub Systems. <i>IEEE Transactions on Computers</i> , 2015 , 64, 2796-2808	2.5	3
30	Stabilizing Byzantine-Fault Tolerant Storage 2015 ,		4
29	Stabilizing Server-Based Storage in Byzantine Asynchronous Message-Passing Systems 2015 ,		8
28	Fault-tolerant oblivious assignment with slots in synchronous systems. <i>Journal of Parallel and Distributed Computing</i> , 2014 , 74, 2648-2661	4.4	
27	Counting in Anonymous Dynamic Networks under Worst-Case Adversary 2014 ,		5
26	An Architecture for Automatic Scaling of Replicated Services. <i>Lecture Notes in Computer Science</i> , 2014 , 122-137	0.9	8
25	Conscious and Unconscious Counting on Anonymous Dynamic Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 257-271	0.9	14
24	Counting in Anonymous Dynamic Networks: An Experimental Perspective. <i>Lecture Notes in Computer Science</i> , 2014 , 139-154	0.9	4
23	Virtual Tree: A robust architecture for interval valid queries in dynamic distributed systems. <i>Journal of Parallel and Distributed Computing</i> , 2013 , 73, 1135-1145	4.4	3
22	A protocol for implementing byzantine storage in churn-prone distributed systems. <i>Theoretical Computer Science</i> , 2013 , 512, 28-40	1.1	1
21	Service-Oriented Architecture for Smart Environments (Short Paper) 2013 ,		9
20	Assessing data availability of Cassandra in the presence of non-accurate membership 2013 ,		1

19	Counting the Number of Homonyms in Dynamic Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 311-325	3.5	3
18	Understanding (Mis)Information Spreading for Improving Corporate Network Trustworthiness. <i>Lecture Notes in Computer Science</i> , 2013 , 165-172	0.9	
17	Dynamic Message Ordering for Topic-Based Publish/Subscribe Systems 2012 ,		2
16	Implementing a Regular Register in an Eventually Synchronous Distributed System Prone to Continuous Churn. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2012 , 23, 102-109	3.7	8
15	Virtual Tree: A Robust Overlay Network for Ensuring Interval Valid Queries in Dynamic Distributed Systems. <i>Lecture Notes in Computer Science</i> , 2012 , 197-200	0.9	1
14	Oblivious Assignment with m Slots. <i>Lecture Notes in Computer Science</i> , 2012 , 187-201	0.9	3
13	Stochastic Modeling of Dynamic Distributed Systems with Crash Recovery and Its Application to Atomic Registers. <i>Lecture Notes in Computer Science</i> , 2012 , 76-90	0.9	
12	The ESTEEM platform: enabling P2P semantic collaboration through emerging collective knowledge. <i>Journal of Intelligent Information Systems</i> , 2011 , 36, 167-195	2.1	6
11	An Algorithm for Implementing BFT Registers in Distributed Systems with Bounded Churn. <i>Lecture Notes in Computer Science</i> , 2011 , 32-46	0.9	2
10	Improving validity of query answering in dynamic systems 2010 ,		2
9	Data Dissemination supporting collaborative complex event processing 2010 ,		1
8	Emergent Semantics and Cooperation in Multi-knowledge Communities: the ESTEEM Approach. <i>World Wide Web</i> , 2010 , 13, 3-31	2.9	2
7	Regular Register: An Implementation in a Churn Prone Environment. <i>Lecture Notes in Computer Science</i> , 2010 , 15-29	0.9	8
6	Value-Based Sequential Consistency for Set Objects in Dynamic Distributed Systems. <i>Lecture Notes in Computer Science</i> , 2010 , 523-534	0.9	3
5	Investigating the existence and the regularity of Logarithmic Harary Graphs. <i>Theoretical Computer Science</i> , 2009 , 410, 2110-2121	1.1	2
4	Implementing a Register in a Dynamic Distributed System 2009 ,		20
3	Joining a Distributed Shared Memory Computation in a Dynamic Distributed System. <i>Lecture Notes in Computer Science</i> , 2009 , 91-102	0.9	1
2	Geo-registers: An Abstraction for Spatial-Based Distributed Computing. <i>Lecture Notes in Computer Science</i> , 2008 , 534-537	0.9	8

1 Evaluation of Unstructured Overlay Maintenance Protocols under Churn **2006**,

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