Enrico Barbierato

List of Publications by Year
in descending order

23	339	1163117 8	940533 16
papers	citations	h-index	g-index

26	26	26	277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance evaluation of NoSQL big-data applications using multi-formalism models. Future Generation Computer Systems, 2014, 37, 345-353.	7.5	91
2	Exploiting CloudSim in a multiformalism modeling approach for cloud based systems. Simulation Modelling Practice and Theory, 2019, 93, 133-147.	3.8	27
3	The SIMTHESys multiformalism modeling framework. Computers and Mathematics With Applications, 2012, 64, 3828-3839.	2.7	24
4	Exploiting product forms solution techniques in multiformalism modeling. Electronic Notes in Theoretical Computer Science, 2013, 296, 61-77.	0.9	24
5	Defining Formalisms for Performance Evaluation With SIMTHESys. Electronic Notes in Theoretical Computer Science, 2011, 275, 37-51.	0.9	22
6	Performance Prediction of Cloud-Based Big Data Applications. , 2018, , .		22
7	Modeling Apache Hive based applications in Big Data architectures. , 2014, , .		20
8	Modeling and Evaluating the Effects of Big Data Storage Resource Allocation in Global Scale Cloud Architectures. International Journal of Data Warehousing and Mining, 2016, 12, 1-20.	0.6	19
9	A Performance Modeling Language For Big Data Architectures. , 2013, , .		18
10	Fluid Petri Nets for the Performance Evaluation of MapReduce and Spark Applications. Performance Evaluation Review, 2017, 44, 23-36.	0.6	13
11	Predicting the performance of big data applications on the cloud. Journal of Supercomputing, 2021, 77, 1321-1353.	3.6	9
12	Multiformalism to Support Software Rejuvenation Modeling. , 2012, , .		8
13	Modeling Hybrid Systems in SIMTHESys. Electronic Notes in Theoretical Computer Science, 2016, 327, 5-25.	0.9	8
14	Optimal Resource Allocation of Cloud-Based Spark Applications. IEEE Transactions on Cloud Computing, 2022, 10, 1301-1316.	4.4	7
15	Performance evaluation for the design of a hybrid cloud based distance synchronous and asynchronous learning architecture. Simulation Modelling Practice and Theory, 2021, 109, 102303.	3.8	4
16	A Methodology for Controlling Bias and Fairness in Synthetic Data Generation. Applied Sciences (Switzerland), 2022, 12, 4619.	2.5	4
17	Second Order Fluid Performance Evaluation Models for Interactive 3D Multimedia Streaming. Lecture Notes in Computer Science, 2018, , 205-218.	1.3	3
18	Simulating Hybrid Systems Within SIMTHESys Multi-formalism Models. Lecture Notes in Computer Science, 2016, , 189-203.	1.3	2

#	Article	IF	Citations
19	Map-Reduce Process Algebra: A Formalism to Describe Directed Acyclic Graph Task-Based Jobs in Parallel Environments. Lecture Notes in Computer Science, 2020, , 85-99.	1.3	1
20	Performance Evaluation of a Data Lake Architecture via Modeling Techniques. Lecture Notes in Computer Science, 2021, , 115-130.	1.3	1
21	Evaluating the Safety of Crowds in Enclosed Spaces by Markovian Agents. Electronic Notes in Theoretical Computer Science, 2020, 353, 61-75.	0.9	0
22	Multi-formalism Models for Performance Engineering. Future Internet, 2020, 12, 50.	3.8	0
23	A Tool Suite for Modelling Spatial Interdependencies of Distributed Systems with Markovian Agents. Lecture Notes in Computer Science, 2011, , 280-294.	1.3	0