AntÃ³nia Lopes

List of Publications by Year
in descending order

62 papers	**989** citations

759233
12 h-index

526287
27 g-index

69 all docs	**69** docs citations

69 times ranked

564 citing authors

#	Article	IF	Citations
1	Software Engineering for Self-Adaptive Systems: A Second Research Roadmap. Lecture Notes in Computer Science, 2013, , 1-32.	1.3	317
2	A graph based architectural (Re)configuration language. , 2001, , .		47
3	Higher-order architectural connectors. ACM Transactions on Software Engineering and Methodology, 2003, 12, 64-104.	6.0	43
4	Self-Management of Adaptable Component-Based Applications. IEEE Transactions on Software Engineering, 2013, 39, 403-421.	5.6	29
5	A Design Space for Self-Adaptive Systems. Lecture Notes in Computer Science, 2013, , 33-50.	1.3	28
6	A model for dynamic reconfiguration in service-oriented architectures. Software and Systems Modeling, 2013, 12, 349-367.	2.7	27
7	Adaptation impact and environment models for architecture-based self-adaptive systems. Science of Computer Programming, 2016, 127, 50-75.	1.9	26
8	Architectural primitives for distribution and mobility. , 2002, , .		24
9	A graph based architectural (Re)configuration language. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2001, 26, 21-32.	0.7	23
10	An abstract model of service discovery and binding. Formal Aspects of Computing, 2011, 23, 433-463.	1.8	19
11	Specifying and Composing Interaction Protocols for Service-Oriented System Modelling. Lecture Notes in Computer Science, 2007, , 358-373.	1.3	18
12	Algebraic Semantics of Service Component Modules. , 2006, , 37-55.		16
13	Service-Oriented Modelling of Automotive Systems. , 2008, , .		15
14	An interface theory for service-oriented design. Theoretical Computer Science, 2013, 503, 1-30.	0.9	14
15	A Model for Dynamic Reconfiguration in Service-Oriented Architectures. Lecture Notes in Computer Science, 2010, , 70-85.	1.3	13
16	Assurances for Self-Adaptive Systems. Lecture Notes in Computer Science, 2013, , .	1.3	13
17	Automating the construction of domain-specific modeling languages for object-oriented frameworks. Journal of Systems and Software, 2010, 83, 1078-1093.	4.5	12
18	Using Explicit State to Describe Architectures. Lecture Notes in Computer Science, 1999, , 144-160.	1.3	10

#	Article	IF	Citations
19	Framework specialization aspects. , 2007, , .		10
20	Algebraic Semantics of Coordination or What Is in a Signature. Lecture Notes in Computer Science, 1998, , 293-307.	1.3	10
21	Support for User Involvement in Data Cleaning. Lecture Notes in Computer Science, 2011, , 136-151.	1.3	10
22	Checking the Conformance of Java Classes Against Algebraic Specifications. Lecture Notes in Computer Science, 2006, , 494-513.	1.3	10
23	Superposition: composition vs refinement of non-deterministic, action-based systems. Formal Aspects of Computing, 2004, 16, 5-18.	1.8	9
24	Context-Awareness in Software Architectures. Lecture Notes in Computer Science, 2005, , 146-161.	1.3	9
25	Policy-Driven Adaptation of Protocol Stacks. , 0, , .		9
26	CommUnity on the Move: Architectures for Distribution and Mobility. Lecture Notes in Computer Science, 2004, , 177-196.	1.3	9
27	Data Mapper: An Operator for Expressing One-to-Many Data Transformations. Lecture Notes in Computer Science, 2005, , 136-145.	1.3	8
28	A Compositional Approach to Connector Construction. Lecture Notes in Computer Science, 2002, , 201-220.	1.3	8
29	Adding mobility to software architectures. Science of Computer Programming, 2006, 61, 114-135.	1.9	7
30	Automated Domain-Specific Modeling Languages for Generating Framework-Based Applications. , 2008, , .		7
31	Learning non-deterministic impact models for adaptation. , 2018, , .		7
32	From BPEL to SRML: A Formal Transformational Approach. , 2007, , 92-107.		7
33	Modelling the GSM Handover Protocol in CommUnity. Electronic Notes in Theoretical Computer Science, 2005, 141, 3-25.	0.9	6
34	A formal model for service-oriented interactions. Science of Computer Programming, 2012, 77, 577-608.	1.9	6
35	Heterogeneous and asynchronous networks of timed systems. Theoretical Computer Science, 2017, 663, 1-33.	0.9	6
36	Specification-Driven Unit Test Generation for Java Generic Classes. Lecture Notes in Computer Science, 2012, , 296-311.	1.3	6

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37	Context adaptation of the communication stack. International Journal of Parallel, Emergent and Distributed Systems, 2006, 21, 169-181.	1.0	5
38	An algebraic semantics of event-based architectures. Mathematical Structures in Computer Science, 2007, 17, 1029-1073.	0.6	5
39	Modelling adaptive services for distributed systems. , 2008, , .		5
40	Impact Models for Architecture-Based Self-adaptive Systems. Lecture Notes in Computer Science, 2015, , 89-107.	1.3	5
41	Adding Mobility to Software Architectures. Electronic Notes in Theoretical Computer Science, 2004, 97, 241-258.	0.9	4
42	One-to-many data transformations through data mappers. Data and Knowledge Engineering, 2007, 62, 483-503.	3.4	4
43	Goal-oriented Self-management of In-memory Distributed Data Grid Platforms. , 2011, , .		4
44	A Use-Case Driven Approach to Formal Service-Oriented Modelling. Communications in Computer and Information Science, 2008, , 155-169.	0.5	4
45	A Framework to Support Multiple Reconfiguration Strategies. , 2007, , .		4
46	Consistency of Service Composition. Lecture Notes in Computer Science, 2012, , 63-77.	1.3	4
47	Logics for Actor Networks: A two-stage constrained-hybridisation approach. Journal of Logical and Algebraic Methods in Programming, 2019, 106, 141-166.	0.5	3
48	A Formal Approach to Event-Based Architectures. Lecture Notes in Computer Science, 2006, , 18-32.	1.3	3
49	Runtime Verification for Generic Classes with ConGu 2. Lecture Notes in Computer Science, 2011, , 33-48.	1.3	3
50	An architectural approach to mobility - the handover case study. , 0, , .		2
51	Dynamic networks of heterogeneous timed machines. Mathematical Structures in Computer Science, 2018, 28, 800-855.	0.6	2
52	HeadREST: A Specification Language for RESTful APIs. Lecture Notes in Computer Science, 2019, , 428-434.	1.3	2
53	On How Distribution and Mobility Interfere with Coordination. Lecture Notes in Computer Science, 2003, , 343-358.	1.3	2
54	A Timed Component Algebra for Services. Lecture Notes in Computer Science, 2013, , 242-257.	1.3	2

#	Article	IF	Citations
55	Automated generation of policies to support elastic scaling in cloud environments. , 2017, , .		2
56	Statically Checking REST API Consumers. Lecture Notes in Computer Science, 2020, , 265-283.	1.3	2
57	Self-management of Distributed Systems Using High-Level Goal Policies. Lecture Notes in Computer Science, 2013, , 162-190.	1.3	1
58	Superposition. Electronic Notes in Theoretical Computer Science, 2002, 70, 282-296.	0.9	0
59	Workshop on assurances for self-adaptive systems (ASAS 2011). , 2011, , .		0
60	A Graph-Based Design Framework for Services. Lecture Notes in Computer Science, 2012, , 1-19.	1.3	0
61	Heterogeneous and Asynchronous Networks of Timed Systems. Lecture Notes in Computer Science, 2014, , 79-93.	1.3	0
62	Building Adaptive Systems with Service Composition Frameworks. , 2007, , 754-771.		0