

# Ant3nia Lopes

## List of Publications by Year in descending order

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62  
papers

989  
citations

758635

12  
h-index

525886

27  
g-index

69  
all docs

69  
docs citations

69  
times ranked

564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Statically Checking REST API Consumers. Lecture Notes in Computer Science, 2020, , 265-283.	1.0	2
2	HeadREST: A Specification Language for RESTful APIs. Lecture Notes in Computer Science, 2019, , 428-434.	1.0	2
3	Logics for Actor Networks: A two-stage constrained-hybridisation approach. Journal of Logical and Algebraic Methods in Programming, 2019, 106, 141-166.	0.4	3
4	Dynamic networks of heterogeneous timed machines. Mathematical Structures in Computer Science, 2018, 28, 800-855.	0.5	2
5	Learning non-deterministic impact models for adaptation. , 2018, , .		7
6	Heterogeneous and asynchronous networks of timed systems. Theoretical Computer Science, 2017, 663, 1-33.	0.5	6
7	Automated generation of policies to support elastic scaling in cloud environments. , 2017, , .		2
8	Adaptation impact and environment models for architecture-based self-adaptive systems. Science of Computer Programming, 2016, 127, 50-75.	1.5	26
9	Impact Models for Architecture-Based Self-adaptive Systems. Lecture Notes in Computer Science, 2015, , 89-107.	1.0	5
10	Heterogeneous and Asynchronous Networks of Timed Systems. Lecture Notes in Computer Science, 2014, , 79-93.	1.0	0
11	Self-Management of Adaptable Component-Based Applications. IEEE Transactions on Software Engineering, 2013, 39, 403-421.	4.3	29
12	Software Engineering for Self-Adaptive Systems: A Second Research Roadmap. Lecture Notes in Computer Science, 2013, , 1-32.	1.0	317
13	A Design Space for Self-Adaptive Systems. Lecture Notes in Computer Science, 2013, , 33-50.	1.0	28
14	Assurances for Self-Adaptive Systems. Lecture Notes in Computer Science, 2013, , .	1.0	13
15	A model for dynamic reconfiguration in service-oriented architectures. Software and Systems Modeling, 2013, 12, 349-367.	2.2	27
16	An interface theory for service-oriented design. Theoretical Computer Science, 2013, 503, 1-30.	0.5	14
17	Self-management of Distributed Systems Using High-Level Goal Policies. Lecture Notes in Computer Science, 2013, , 162-190.	1.0	1
18	A Timed Component Algebra for Services. Lecture Notes in Computer Science, 2013, , 242-257.	1.0	2

#	ARTICLE	IF	CITATIONS
19	A Graph-Based Design Framework for Services. Lecture Notes in Computer Science, 2012, , 1-19.	1.0	0
20	A formal model for service-oriented interactions. Science of Computer Programming, 2012, 77, 577-608.	1.5	6
21	Specification-Driven Unit Test Generation for Java Generic Classes. Lecture Notes in Computer Science, 2012, , 296-311.	1.0	6
22	Consistency of Service Composition. Lecture Notes in Computer Science, 2012, , 63-77.	1.0	4
23	Goal-oriented Self-management of In-memory Distributed Data Grid Platforms. , 2011, , .		4
24	An abstract model of service discovery and binding. Formal Aspects of Computing, 2011, 23, 433-463.	1.4	19
25	Workshop on assurances for self-adaptive systems (ASAS 2011). , 2011, , .		0
26	Support for User Involvement in Data Cleaning. Lecture Notes in Computer Science, 2011, , 136-151.	1.0	10
27	Runtime Verification for Generic Classes with ConGu 2. Lecture Notes in Computer Science, 2011, , 33-48.	1.0	3
28	Automating the construction of domain-specific modeling languages for object-oriented frameworks. Journal of Systems and Software, 2010, 83, 1078-1093.	3.3	12
29	A Model for Dynamic Reconfiguration in Service-Oriented Architectures. Lecture Notes in Computer Science, 2010, , 70-85.	1.0	13
30	Service-Oriented Modelling of Automotive Systems. , 2008, , .		15
31	Automated Domain-Specific Modeling Languages for Generating Framework-Based Applications. , 2008, , .		7
32	Modelling adaptive services for distributed systems. , 2008, , .		5
33	A Use-Case Driven Approach to Formal Service-Oriented Modelling. Communications in Computer and Information Science, 2008, , 155-169.	0.4	4
34	Framework specialization aspects. , 2007, , .		10
35	An algebraic semantics of event-based architectures. Mathematical Structures in Computer Science, 2007, 17, 1029-1073.	0.5	5
36	One-to-many data transformations through data mappers. Data and Knowledge Engineering, 2007, 62, 483-503.	2.1	4

#	ARTICLE	IF	CITATIONS
37	Specifying and Composing Interaction Protocols for Service-Oriented System Modelling. Lecture Notes in Computer Science, 2007, , 358-373.	1.0	18
38	From BPEL to SRML: A Formal Transformational Approach. , 2007, , 92-107.		7
39	A Framework to Support Multiple Reconfiguration Strategies. , 2007, , .		4
40	Building Adaptive Systems with Service Composition Frameworks. , 2007, , 754-771.		0
41	Context adaptation of the communication stack. International Journal of Parallel, Emergent and Distributed Systems, 2006, 21, 169-181.	0.7	5
42	Adding mobility to software architectures. Science of Computer Programming, 2006, 61, 114-135.	1.5	7
43	Algebraic Semantics of Service Component Modules. , 2006, , 37-55.		16
44	Checking the Conformance of Java Classes Against Algebraic Specifications. Lecture Notes in Computer Science, 2006, , 494-513.	1.0	10
45	A Formal Approach to Event-Based Architectures. Lecture Notes in Computer Science, 2006, , 18-32.	1.0	3
46	Modelling the GSM Handover Protocol in CommUnity. Electronic Notes in Theoretical Computer Science, 2005, 141, 3-25.	0.9	6
47	Context-Awareness in Software Architectures. Lecture Notes in Computer Science, 2005, , 146-161.	1.0	9
48	Data Mapper: An Operator for Expressing One-to-Many Data Transformations. Lecture Notes in Computer Science, 2005, , 136-145.	1.0	8
49	Superposition: composition vs refinement of non-deterministic, action-based systems. Formal Aspects of Computing, 2004, 16, 5-18.	1.4	9
50	Adding Mobility to Software Architectures. Electronic Notes in Theoretical Computer Science, 2004, 97, 241-258.	0.9	4
51	CommUnity on the Move: Architectures for Distribution and Mobility. Lecture Notes in Computer Science, 2004, , 177-196.	1.0	9
52	Higher-order architectural connectors. ACM Transactions on Software Engineering and Methodology, 2003, 12, 64-104.	4.8	43
53	On How Distribution and Mobility Interfere with Coordination. Lecture Notes in Computer Science, 2003, , 343-358.	1.0	2
54	Architectural primitives for distribution and mobility. , 2002, , .		24

#	ARTICLE	IF	CITATIONS
55	Superposition. <i>Electronic Notes in Theoretical Computer Science</i> , 2002, 70, 282-296.	0.9	0
56	A Compositional Approach to Connector Construction. <i>Lecture Notes in Computer Science</i> , 2002, , 201-220.	1.0	8
57	A graph based architectural (Re)configuration language. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2001, 26, 21-32.	0.5	23
58	A graph based architectural (Re)configuration language. , 2001, , .		47
59	Using Explicit State to Describe Architectures. <i>Lecture Notes in Computer Science</i> , 1999, , 144-160.	1.0	10
60	Algebraic Semantics of Coordination or What Is in a Signature. <i>Lecture Notes in Computer Science</i> , 1998, , 293-307.	1.0	10
61	An architectural approach to mobility - the handover case study. , 0, , .		2
62	Policy-Driven Adaptation of Protocol Stacks. , 0, , .		9