

Maria Luisa Villani

List of Publications by Year in descending order

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46
papers

1,633
citations

759233

12
h-index

552781

26
g-index

47
all docs

47
docs citations

47
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	A Knowledge Graph to Digitalise Functional Resonance Analyses in the Safety Area. Contributions To Management Science, 2022, , 259-269.	0.5	2
2	WAX: An integrated conceptual framework for the analysis of cyber-socio-technical systems. Safety Science, 2021, 136, 105142.	4.9	46
3	Smart City Ontologies and Their Applications: A Systematic Literature Review. Sustainability, 2021, 13, 5578.	3.2	32
4	A comprehensive system for semantic spatiotemporal assessment of risk in urban areas. Journal of Contingencies and Crisis Management, 2020, 28, 178-193.	2.8	12
5	Crowd Sensitive Indicators for Proactive Safety Management: A Theoretical Framework. , 2020, , .		3
6	Gamified Decision Making for a Participatory Post-Crisis Recovery: A Model based Process. , 2020, , .		3
7	Serious games for industrial safety: An approach for developing resilience early warning indicators. Safety Science, 2019, 118, 316-331.	4.9	39
8	Creative design of emergency management scenarios driven by semantics: An application to smart cities. Information Systems, 2019, 81, 21-48.	3.6	37
9	Semantic Modeling of Cascading Risks in Interoperable Socio-technical Systems. Proceedings of the I-ESA Conference, 2019, , 119-129.	0.4	3
10	Gamified Software to Support the Design of Business Innovation. Information (Switzerland), 2018, 9, 324.	2.9	6
11	M-CREAM: A Tool for Creative Modelling of Emergency Scenarios in Smart Cities. Lecture Notes in Computer Science, 2018, , 83-88.	1.3	2
12	A Gamified Approach to Participatory Modelling of Water System Risks. Lecture Notes in Computer Science, 2018, , 168-180.	1.3	1
13	Creative Sparks for Collaborative Innovation. Lecture Notes in Information Systems and Organisation, 2018, , 109-124.	0.6	0
14	A Flexible Architecture for Cognitive Sensing of Activities in Ambient Assisted Living. , 2017, , .		14
15	Enhancing Creativity in Risk Assessment of a Complex Sociotechnical Systems. Lecture Notes in Computer Science, 2017, , 294-309.	1.3	6
16	Building climate change into risk assessments. Natural Hazards, 2016, 84, 1307-1325.	3.4	24
17	Towards Temporal Analysis of Integrated Scenarios for Sustainable Innovation. Lecture Notes in Computer Science, 2016, , 544-551.	1.3	1
18	TEMPORANA: Flexible Temporal Query Processing for Supporting System Behavior Detection across Complex Scenarios. , 2016, , .		0

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19	A methodology for modeling and measuring interdependencies of information and communications systems used for public administration and eGovernment services. <i>International Journal of Critical Infrastructure Protection</i> , 2016, 14, 18-27.	4.6	7
20	Semantics-based services for a low carbon society: An application on emissions trading system data and scenarios management. <i>Environmental Modelling and Software</i> , 2015, 64, 124-142.	4.5	11
21	A Semantics-Based Approach to Generation of Emergency Management Scenario Models. <i>Proceedings of the I-ESA Conference</i> , 2014, , 163-173.	0.4	4
22	A Lateral Thinking Framework for Semantic Modelling of Emergencies in Smart Cities. <i>Lecture Notes in Computer Science</i> , 2014, , 334-348.	1.3	5
23	Semantic Modeling of the Emissions Trading System. , 2013, , .		0
24	Incremental construction of systems: An efficient characterization of the lacking sub-system. <i>Science of Computer Programming</i> , 2013, 78, 1346-1367.	1.9	26
25	Towards ontological foundations of knowledge related to the emissions trading system. , 2013, , .		1
26	A DOMAIN SPECIFIC LANGUAGE FOR THE DESCRIPTION AND THE SIMULATION OF SYSTEMS OF INTERACTING SYSTEMS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2012, 15, 1250072.	1.4	5
27	A Rule-based Approach for Modelling Behaviour in Crisis and Emergency Scenarios. , 2012, , 93-103.		1
28	Ant Colony Optimization for Deadlock Detection in Concurrent Systems. , 2011, , .		24
29	Dynamic composition of web applications in human-centered processes. , 2009, , .		6
30	Abstracting Models from Execution Traces for Performing Formal Verification. <i>Communications in Computer and Information Science</i> , 2009, , 143-150.	0.5	2
31	Modular formal verification of specifications of concurrent systems. <i>Software Testing Verification and Reliability</i> , 2008, 18, 5-28.	2.0	0
32	A framework for QoS-aware binding and re-binding of composite web services. <i>Journal of Systems and Software</i> , 2008, 81, 1754-1769.	4.5	255
33	Discovery of SOA patterns via model checking. , 2007, , .		4
34	Formal Verification of Concurrent Systems via Directed Model Checking. <i>Electronic Notes in Theoretical Computer Science</i> , 2007, 185, 93-105.	0.9	9
35	Negotiation of Service Level Agreements: An Architecture and a Search-Based Approach. <i>Lecture Notes in Computer Science</i> , 2007, , 295-306.	1.3	39
36	DELFIN+: An efficient deadlock detection tool for CCS processes. <i>Journal of Computer and System Sciences</i> , 2006, 72, 1397-1412.	1.2	29

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37	Service Composition (re)Binding Driven by Application-Specific QoS. Lecture Notes in Computer Science, 2006, , 141-152.	1.3	36
38	Using heuristic search for finding deadlocks in concurrent systems. Information and Computation, 2005, 202, 191-226.	0.7	21
39	Building component families to support adaptation. , 2005, , .		3
40	QoS-aware replanning of composite Web services. , 2005, , .		209
41	An approach for QoS-aware service composition based on genetic algorithms. , 2005, , .		668
42	Managing coordination and cooperation in distributed software processes: the GENESIS environment. Software Process Improvement and Practice, 2004, 9, 239-263.	1.1	20
43	Model Checking Multithreaded Programs by Means of Reduced Models. Electronic Notes in Theoretical Computer Science, 2004, 110, 55-74.	0.9	10
44	A new characterisation of hereditary pi rings. Israel Journal of Mathematics, 2003, 133, 93-146.	0.8	0
45	FlowManager: a workflow management system based on Petri nets. , 0, , .		7
46	ContentP2P: a peer-to-peer content management system. , 0, , .		0