

# Ugo Gentile

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/75713/publications.pdf>

Version: 2024-02-01

21  
papers

160  
citations

1162889

8  
h-index

1199470

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Security modelling and formal verification of survivability properties: Application to cyber-physical systems. <i>Journal of Systems and Software</i> , 2021, 171, 110746.	3.3	18
2	Dynamic state machines for modelling railway control systems. <i>Science of Computer Programming</i> , 2017, 133, 116-153.	1.5	16
3	An Interoperable Testing Environment for ERTMS/ETCS Control Systems. <i>Lecture Notes in Computer Science</i> , 2014, , 147-156.	1.0	13
4	A novel association rule mining method for the identification of rare functional dependencies in Complex Technical Infrastructures from alarm data. <i>Expert Systems With Applications</i> , 2021, 170, 114560.	4.4	11
5	Cost-energy modelling and profiling of smart domestic grids. <i>International Journal of Grid and Utility Computing</i> , 2016, 7, 257.	0.1	11
6	An OSLC-based environment for system-level functional testing of ERTMS/ETCS controllers. <i>Journal of Systems and Software</i> , 2020, 161, 110478.	3.3	8
7	Association rules extraction for the identification of functional dependencies in complex technical infrastructures. <i>Reliability Engineering and System Safety</i> , 2021, 209, 107305.	5.1	8
8	A Petri Net Pattern-Oriented Approach for the Design of Physical Protection Systems. <i>Lecture Notes in Computer Science</i> , 2014, , 230-245.	1.0	8
9	Survey on international standards and best practices for patch management of complex industrial control systems: the critical infrastructure of particle accelerators case study. <i>International Journal of Critical Computer-Based Systems</i> , 2019, 9, 115.	0.1	6
10	Improving code coverage in android apps testing by exploiting patterns and automatic test case generation. , 2014, , .		5
11	Finding Resilient and Energy-saving Control Strategies in Smart Homes. <i>Procedia Computer Science</i> , 2016, 83, 976-981.	1.2	5
12	ÂµGRIMOIRE: A Tool for Smart Micro Grids Modelling and Energy Profiling. <i>Open Cybernetics and Systemics Journal</i> , 2016, 10, 263-282.	0.3	5
13	Model-Based Water Quality Assurance in Ground and Surface Provisioning Systems. , 2015, , .		3
14	Test Specification Patterns for Automatic Generation of Test Sequences. <i>Lecture Notes in Computer Science</i> , 2014, , 170-184.	1.0	3
15	Data-Driven Extraction of Association Rules of Dependent Abnormal Behaviour Groups. , 2019, , .		3
16	A Cost-Energy Trade-Off Model in Smart Energy Grids. , 2014, , .		2
17	A model driven approach for assessing survivability requirements of critical infrastructures. <i>Journal of High Speed Networks</i> , 2017, 23, 175-186.	0.6	2
18	A Feature Selection-based Approach for the Identification of Critical Components in Complex Technical Infrastructures: Application to the CERN Large Hadron Collider. <i>Reliability Engineering and System Safety</i> , 2020, 201, 106974.	5.1	2

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19	Cost-energy modelling and profiling of smart domestic grids. International Journal of Grid and Utility Computing, 2016, 7, 257.	0.1	2
20	A Machine-Learning Based Methodology for Performance Analysis in Particles Accelerator Facilities. , 2017, , .		0
21	Survey on international standards and best practices for patch management of complex industrial control systems: the critical infrastructure of particle accelerators case study. International Journal of Critical Computer-Based Systems, 2019, 9, 115.	0.1	0