

# Angel Jesus Varela-Vaca

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

131  
citations

7  
h-index

8  
g-index

45  
ext. papers

177  
ext. citations

2.7  
avg, IF

3.4  
L-index

#	Paper	IF	Citations
38	A domain-specific language for the specification of UCON policies. <i>Journal of Information Security and Applications</i> , <b>2022</b> , 64, 103006	3.5	0
37	Smart Contract Languages. <i>ACM Computing Surveys</i> , <b>2021</b> , 54, 1-38	13.4	2
36	DMN4DQ: When data quality meets DMN. <i>Decision Support Systems</i> , <b>2021</b> , 141, 113450	5.6	5
35	A NLP-Oriented Methodology to Enhance Event Log Quality. <i>Lecture Notes in Business Information Processing</i> , <b>2021</b> , 19-35	0.6	0
34	Empowering conformance checking using Big Data through horizontal decomposition. <i>Information Systems</i> , <b>2021</b> , 99, 101731	2.7	3
33	CARMEN: A framework for the verification and diagnosis of the specification of security requirements in cyber-physical systems. <i>Computers in Industry</i> , <b>2021</b> , 132, 103524	11.6	0
32	Discovering configuration workflows from existing logs using process mining. <i>Empirical Software Engineering</i> , <b>2021</b> , 26, 1	3.3	0
31	Blockchain-based federation of wireless sensor nodes. <i>Journal of Supercomputing</i> , <b>2021</b> , 77, 7879-7891	2.5	5
30	Blockchain from the Perspective of Privacy and Anonymisation: A Systematic Literature Review. <i>Sensors</i> , <b>2020</b> , 20,	3.8	12
29	Unleashing Constraint Optimisation Problem solving in Big Data environments. <i>Journal of Computational Science</i> , <b>2020</b> , 45, 101180	3.4	
28	AMADEUS <b>2020</b> ,		2
27	Definition and Verification of Security Configurations of Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 135-155	0.9	1
26	Measuring data-centre workflows complexity through process mining: the Google cluster case. <i>Journal of Supercomputing</i> , <b>2020</b> , 76, 2449-2478	2.5	7
25	Process Mining to Unleash Variability Management <b>2019</b> ,		7
24	. <i>IEEE Access</i> , <b>2019</b> , 7, 26448-26465	3.5	8
23	Constraint-Driven Fault Diagnosis <b>2019</b> , 347-364		
22	Model-Based Software Debugging <b>2019</b> , 365-387		

21	DMN for Data Quality Measurement and Assessment. <i>Lecture Notes in Business Information Processing</i> , <b>2019</b> , 362-374	0.6	4
20	CyberSPL: A Framework for the Verification of Cybersecurity Policy Compliance of System Configurations Using Software Product Lines. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 5364	2.6	8
19	A Framework to Secure the Development and Auditing of SSL Pinning in Mobile Applications: The Case of Android Devices. <i>Entropy</i> , <b>2019</b> , 21, 1136	2.8	5
18	Business Process Configuration according to Data Dependency Specification. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2008	2.6	4
17	FABIOLA: Towards the Resolution of Constraint Optimization Problems in Big Data Environment. <i>Lecture Notes in Information Systems and Organisation</i> , <b>2018</b> , 113-127	0.5	
16	Guiding the Creation of Choreographed Processes with Multiple Instances Based on Data Models. <i>Lecture Notes in Business Information Processing</i> , <b>2017</b> , 239-251	0.6	4
15	Governance Knowledge Management and Decision Support Using Fuzzy Governance Maps. <i>Lecture Notes in Business Information Processing</i> , <b>2017</b> , 208-219	0.6	
14	A Usage Control Model Extension for the Verification of Security Policies in Artifact-Centric Business Process Models. <i>Lecture Notes in Business Information Processing</i> , <b>2016</b> , 289-301	0.6	2
13	Formalization of security patterns as a means to infer security controls in business processes. <i>Logic Journal of the IGPL</i> , <b>2015</b> , 23, 57-72	1	4
12	OPBUS: A framework for improving the dependability of risk-aware business processes. <i>AI Communications</i> , <b>2014</b> , 29, 233-235	0.8	3
11	Towards the automatic and optimal selection of risk treatments for business processes using a constraint programming approach. <i>Information and Software Technology</i> , <b>2013</b> , 55, 1948-1973	3-4	14
10	A Security Pattern-Driven Approach toward the Automation of Risk Treatment in Business Processes. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 13-23	0.4	6
9	CONFIDENT: A model-driven consistent and non-redundant layer-3 firewall ACL design, development and maintenance framework. <i>Journal of Systems and Software</i> , <b>2012</b> , 85, 425-457	3-3	6
8	A Model-Driven engineering approach with diagnosis of non-conformance of security objectives in business process models <b>2011</b> ,		8
7	Contract-based test generation for data flow of business processes using constraint programming <b>2011</b> ,		1
6	Towards Dependable Business Processes with Fault-Tolerance Approach <b>2010</b> ,		2
5	OPBUS: Fault Tolerance Against Integrity Attacks in Business Processes. <i>Advances in Intelligent and Soft Computing</i> , <b>2010</b> , 213-222		2
4	AFPL2, an Abstract Language for Firewall ACLs with NAT Support <b>2009</b> ,		2

3	MDA-Based Framework for Automatic Generation of Consistent Firewall ACLs with NAT. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 130-144	0.9	1
2	Improvement of Optimization Agreements in Business Processes Involving Web Services. <i>Communications of the IBIMA</i> ,1-15		2
1	Data curation in the Internet of Things: A decision model approach. <i>Computational and Mathematical Methods</i> ,e1191	0.9	1