

Angel Jesus Varela-Vaca

List of Publications by Citations

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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 | Towards the automatic and optimal selection of risk treatments for business processes using a constraint programming approach. <i>Information and Software Technology</i> , 2013 , 55, 1948-1973 | 3.4 | 14 |
| 37 | Blockchain from the Perspective of Privacy and Anonymisation: A Systematic Literature Review. <i>Sensors</i> , 2020 , 20, | 3.8 | 12 |
| 36 | . <i>IEEE Access</i> , 2019 , 7, 26448-26465 | 3.5 | 8 |
| 35 | A Model-Driven engineering approach with diagnosis of non-conformance of security objectives in business process models 2011 , | | 8 |
| 34 | CyberSPL: A Framework for the Verification of Cybersecurity Policy Compliance of System Configurations Using Software Product Lines. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5364 | 2.6 | 8 |
| 33 | Process Mining to Unleash Variability Management 2019 , | | 7 |
| 32 | Measuring data-centre workflows complexity through process mining: the Google cluster case. <i>Journal of Supercomputing</i> , 2020 , 76, 2449-2478 | 2.5 | 7 |
| 31 | CONFIDENT: A model-driven consistent and non-redundant layer-3 firewall ACL design, development and maintenance framework. <i>Journal of Systems and Software</i> , 2012 , 85, 425-457 | 3.3 | 6 |
| 30 | A Security Pattern-Driven Approach toward the Automation of Risk Treatment in Business Processes. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 13-23 | 0.4 | 6 |
| 29 | A Framework to Secure the Development and Auditing of SSL Pinning in Mobile Applications: The Case of Android Devices. <i>Entropy</i> , 2019 , 21, 1136 | 2.8 | 5 |
| 28 | DMN4DQ: When data quality meets DMN. <i>Decision Support Systems</i> , 2021 , 141, 113450 | 5.6 | 5 |
| 27 | Blockchain-based federation of wireless sensor nodes. <i>Journal of Supercomputing</i> , 2021 , 77, 7879-7891 | 2.5 | 5 |
| 26 | Formalization of security patterns as a means to infer security controls in business processes. <i>Logic Journal of the IGPL</i> , 2015 , 23, 57-72 | 1 | 4 |
| 25 | DMN for Data Quality Measurement and Assessment. <i>Lecture Notes in Business Information Processing</i> , 2019 , 362-374 | 0.6 | 4 |
| 24 | Guiding the Creation of Choreographed Processes with Multiple Instances Based on Data Models. <i>Lecture Notes in Business Information Processing</i> , 2017 , 239-251 | 0.6 | 4 |
| 23 | Business Process Configuration according to Data Dependency Specification. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2008 | 2.6 | 4 |
| 22 | OPBUS: A framework for improving the dependability of risk-aware business processes. <i>AI Communications</i> , 2014 , 29, 233-235 | 0.8 | 3 |

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|----|--|------|---|
| 21 | Empowering conformance checking using Big Data through horizontal decomposition. <i>Information Systems</i> , 2021 , 99, 101731 | 2.7 | 3 |
| 20 | Towards Dependable Business Processes with Fault-Tolerance Approach 2010 , | | 2 |
| 19 | AFPL2, an Abstract Language for Firewall ACLs with NAT Support 2009 , | | 2 |
| 18 | AMADEUS 2020 , | | 2 |
| 17 | Improvement of Optimization Agreements in Business Processes Involving Web Services. <i>Communications of the IBIMA</i> ,1-15 | | 2 |
| 16 | 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> , 2016 , 289-301 | 0.6 | 2 |
| 15 | OPBUS: Fault Tolerance Against Integrity Attacks in Business Processes. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 213-222 | | 2 |
| 14 | Smart Contract Languages. <i>ACM Computing Surveys</i> , 2021 , 54, 1-38 | 13.4 | 2 |
| 13 | Contract-based test generation for data flow of business processes using constraint programming 2011 , | | 1 |
| 12 | Definition and Verification of Security Configurations of Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , 2020 , 135-155 | 0.9 | 1 |
| 11 | MDA-Based Framework for Automatic Generation of Consistent Firewall ACLs with NAT. <i>Lecture Notes in Computer Science</i> , 2009 , 130-144 | 0.9 | 1 |
| 10 | Data curation in the Internet of Things: A decision model approach. <i>Computational and Mathematical Methods</i> ,e1191 | 0.9 | 1 |
| 9 | A domain-specific language for the specification of UCON policies. <i>Journal of Information Security and Applications</i> , 2022 , 64, 103006 | 3.5 | 0 |
| 8 | A NLP-Oriented Methodology to Enhance Event Log Quality. <i>Lecture Notes in Business Information Processing</i> , 2021 , 19-35 | 0.6 | 0 |
| 7 | CARMEN: A framework for the verification and diagnosis of the specification of security requirements in cyber-physical systems. <i>Computers in Industry</i> , 2021 , 132, 103524 | 11.6 | 0 |
| 6 | Discovering configuration workflows from existing logs using process mining. <i>Empirical Software Engineering</i> , 2021 , 26, 1 | 3.3 | 0 |
| 5 | Unleashing Constraint Optimisation Problem solving in Big Data environments. <i>Journal of Computational Science</i> , 2020 , 45, 101180 | 3.4 | |
| 4 | Constraint-Driven Fault Diagnosis 2019 , 347-364 | | |

3 Model-Based Software Debugging **2019**, 365-387

2 Governance Knowledge Management and Decision Support Using Fuzzy Governance Maps. *Lecture Notes in Business Information Processing*, **2017**, 208-219 0.6

1 FABIOLA: Towards the Resolution of Constraint Optimization Problems in Big Data Environment. *Lecture Notes in Information Systems and Organisation*, **2018**, 113-127 0.5