

# Javier Criado

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

301  
citations

933264

10  
h-index

996849

15  
g-index

47  
all docs

47  
docs citations

47  
times ranked

244  
citing authors

#	ARTICLE	IF	CITATIONS
1	A microservice architecture for real-time IoT data processing: A reusable Web of things approach for smart ports. <i>Computer Standards and Interfaces</i> , 2022, 81, 103604.	3.8	33
2	Heuristics-based mediation for building smart architectures at run-time. <i>Computer Standards and Interfaces</i> , 2021, 75, 103501.	3.8	2
3	MI-FIWARE: A web component development method for FIWARE using microservices. , 2021, , .		2
4	Assembling the Web of Things and Microservices for the Management of Cyber-Physical Systems. <i>Journal of Universal Computer Science</i> , 2021, 27, 734-754.	0.6	2
5	An Approach to Integrate IoT Systems with No-Web Interfaces. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 417-427.	0.5	0
6	Defining interactions of WoT servients with causality relations. , 2021, , .		1
7	A Discovery Pull Model for Devices in IoT and WoT Environments. , 2021, , .		2
8	WoTnectivity: A Communication Pattern for Different Web of Things Connection Protocols. , 2020, , .		1
9	A model-driven engineering approach for the service integration of IoT systems. <i>Cluster Computing</i> , 2020, 23, 1937-1954.	3.5	12
10	Towards the Integration of Web of Things Applications Based on Service Discovery. <i>Lecture Notes in Computer Science</i> , 2020, , 24-29.	1.0	0
11	Microservices and Machine Learning Algorithms for Adaptive Green Buildings. <i>Sustainability</i> , 2019, 11, 4320.	1.6	3
12	A Progressive Web Application Based on Microservices Combining Geospatial Data and the Internet of Things. <i>IEEE Access</i> , 2019, 7, 104577-104590.	2.6	16
13	A Model-Driven Approach for the Integration of Hardware Nodes in the IoT. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 801-811.	0.5	8
14	A recommender system for component-based applications using machine learning techniques. <i>Knowledge-Based Systems</i> , 2019, 164, 68-84.	4.0	36
15	Emulating home automation installations through component-based web technology. <i>Future Generation Computer Systems</i> , 2019, 93, 777-791.	4.9	13
16	A microservice-based architecture for enhancing the user experience in cross-device distributed mashup UIs with multiple forms of interaction. <i>Universal Access in the Information Society</i> , 2019, 18, 747-770.	2.1	6
17	Digital Dices: Towards the Integration of Cyber-Physical Systems Merging the Web of Things and Microservices. <i>Lecture Notes in Computer Science</i> , 2019, , 195-205.	1.0	9
18	A flexible data acquisition system for storing the interactions on mashup user interfaces. <i>Computer Standards and Interfaces</i> , 2018, 59, 10-34.	3.8	22

#	ARTICLE	IF	CITATIONS
19	Quality-aware Architectural Model Transformations in Adaptive Mashups User Interfaces. <i>Fundamenta Informaticae</i> , 2018, 162, 283-309.	0.3	3
20	Integrating Cyber-Physical Systems in a Component-Based Approach for Smart Homes. <i>Sensors</i> , 2018, 18, 2156.	2.1	19
21	Modeling Big data-based systems through ontological trading. <i>Software - Practice and Experience</i> , 2017, 47, 1561-1596.	2.5	2
22	A safe approach using virtual devices to evaluate home automation architectures prior installations. , 2017, , .		0
23	A DSL for the Development of Heterogeneous Applications. , 2017, , .		5
24	A cloud service for COTS component-based architectures. <i>Computer Standards and Interfaces</i> , 2016, 48, 198-216.	3.8	8
25	Exploring Quality-Aware Architectural Transformations at Run-Time: The ENIA Case. <i>Lecture Notes in Computer Science</i> , 2016, , 288-302.	1.0	1
26	A Web Services Infrastructure for the Management of Mashup Interfaces. <i>Lecture Notes in Computer Science</i> , 2016, , 64-75.	1.0	1
27	Optimally Storing the User Interaction in Mashup Interfaces Within a Relational Database. <i>Lecture Notes in Computer Science</i> , 2016, , 188-195.	1.0	0
28	Toward the adaptation of component-based architectures by model transformation: behind smart user interfaces. <i>Software - Practice and Experience</i> , 2015, 45, 1677-1718.	2.5	20
29	A collaborative testbed web tool for learning model transformation in software engineering education. <i>Computers in Human Behavior</i> , 2015, 51, 734-741.	5.1	2
30	Enabling the Reuse of Stored Model Transformations Through Annotations. <i>Lecture Notes in Computer Science</i> , 2015, , 43-58.	1.0	4
31	Semantic Matching of Components at Run-Time in Distributed Environments. <i>Lecture Notes in Computer Science</i> , 2015, , 431-441.	1.0	1
32	<i>OntoTrader</i>: An Ontological Web Trading Agent Approach for Environmental Information Retrieval. <i>Scientific World Journal, The</i> , 2014, 2014, 1-25.	0.8	3
33	Dynamic Mashup Interfaces for Information Systems Using Widgets-as-a-Service. <i>Lecture Notes in Computer Science</i> , 2014, , 438-447.	1.0	5
34	A Component-based User Interface Approach for Smart TV. , 2014, , .		2
35	Resolving Platform Specific Models at Runtime Using an MDE-Based Trading Approach. <i>Lecture Notes in Computer Science</i> , 2013, , 274-283.	1.0	5
36	An approach to a pattern for business process management and deployment of software engineering for small companies in a crossplatform era. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Runtime Adaptation of Architectural Models: An Approach for Adapting User Interfaces. Lecture Notes in Computer Science, 2012, , 16-30.	1.0	11
38	An MDE Approach for Runtime Monitoring and Adapting Component-Based Systems: Application to WIMP User Interface Architectures. , 2012, , .		7
39	Open-Environmental Ontology Modeling. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 730-745.	3.4	4
40	Using COTS-Widgets Architectures for Describing User Interfaces of Web-Based Information Systems. International Journal of Knowledge Society Research, 2011, 2, 61-72.	0.8	7
41	A Model Transformation Approach for Automatic Composition of COTS User Interfaces in Web-Based Information Systems. Information Systems Management, 2010, 27, 207-216.	3.2	13
42	An Interaction Meta-model for Cooperative Component-Based User Interfaces. Lecture Notes in Computer Science, 2010, , 259-268.	1.0	1
43	Using COTS-Widgets Architectures for Describing User Interfaces of Web-Based Information Systems. , 0, , 271-282.		0
44	Domain-Specific Ontologies Trading for Retrieval and Integration of Information in Web-Based Information Systems. , 0, , 69-80.		0