

# 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 recommender system for component-based applications using machine learning techniques. Knowledge-Based Systems, 2019, 164, 68-84.	4.0	36
2	A microservice architecture for real-time IoT data processing: A reusable Web of things approach for smart ports. Computer Standards and Interfaces, 2022, 81, 103604.	3.8	33
3	A flexible data acquisition system for storing the interactions on mashup user interfaces. Computer Standards and Interfaces, 2018, 59, 10-34.	3.8	22
4	Toward the adaptation of component-based architectures by model transformation: behind smart user interfaces. Software - Practice and Experience, 2015, 45, 1677-1718.	2.5	20
5	Integrating Cyber-Physical Systems in a Component-Based Approach for Smart Homes. Sensors, 2018, 18, 2156.	2.1	19
6	A Progressive Web Application Based on Microservices Combining Geospatial Data and the Internet of Things. IEEE Access, 2019, 7, 104577-104590.	2.6	16
7	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
8	Emulating home automation installations through component-based web technology. Future Generation Computer Systems, 2019, 93, 777-791.	4.9	13
9	A model-driven engineering approach for the service integration of IoT systems. Cluster Computing, 2020, 23, 1937-1954.	3.5	12
10	Runtime Adaptation of Architectural Models: An Approach for Adapting User Interfaces. Lecture Notes in Computer Science, 2012, , 16-30.	1.0	11
11	Digital Dices: Towards the Integration of Cyber-Physical Systems Merging the Web of Things and Microservices. Lecture Notes in Computer Science, 2019, , 195-205.	1.0	9
12	A cloud service for COTS component-based architectures. Computer Standards and Interfaces, 2016, 48, 198-216.	3.8	8
13	A Model-Driven Approach for the Integration of Hardware Nodes in the IoT. Advances in Intelligent Systems and Computing, 2019, , 801-811.	0.5	8
14	An MDE Approach for Runtime Monitoring and Adapting Component-Based Systems: Application to WIMP User Interface Architectures. , 2012, , .		7
15	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
16	A microservice-based architecture for enhancing the user experience in cross-device distributed mashup UIs with multiple forms of interaction. Universal Access in the Information Society, 2019, 18, 747-770.	2.1	6
17	A DSL for the Development of Heterogeneous Applications. , 2017, , .		5
18	Resolving Platform Specific Models at Runtime Using an MDE-Based Trading Approach. Lecture Notes in Computer Science, 2013, , 274-283.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Dynamic Mashup Interfaces for Information Systems Using Widgets-as-a-Service. Lecture Notes in Computer Science, 2014, , 438-447.	1.0	5
20	Open-Environmental Ontology Modeling. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 730-745.	3.4	4
21	Enabling the Reuse of Stored Model Transformations Through Annotations. Lecture Notes in Computer Science, 2015, , 43-58.	1.0	4
22	<i>OntoTrader</i>: An Ontological Web Trading Agent Approach for Environmental Information Retrieval. Scientific World Journal, The, 2014, 2014, 1-25.	0.8	3
23	Quality-aware Architectural Model Transformations in Adaptive Mashups User Interfaces. Fundamenta Informaticae, 2018, 162, 283-309.	0.3	3
24	Microservices and Machine Learning Algorithms for Adaptive Green Buildings. Sustainability, 2019, 11, 4320.	1.6	3
25	A collaborative testbed web tool for learning model transformation in software engineering education. Computers in Human Behavior, 2015, 51, 734-741.	5.1	2
26	Modeling Big data-based systems through ontological trading. Software - Practice and Experience, 2017, 47, 1561-1596.	2.5	2
27	Heuristics-based mediation for building smart architectures at run-time. Computer Standards and Interfaces, 2021, 75, 103501.	3.8	2
28	MI-FIWARE: A web component development method for FIWARE using microservices. , 2021, , .		2
29	Assembling the Web of Things and Microservices for the Management of Cyber-Physical Systems. Journal of Universal Computer Science, 2021, 27, 734-754.	0.6	2
30	A Component-based User Interface Approach for Smart TV. , 2014, , .		2
31	A Discovery Pull Model for Devices in IoT and WoT Environments. , 2021, , .		2
32	WoTnectivity: A Communication Pattern for Different Web of Things Connection Protocols. , 2020, , .		1
33	Exploring Quality-Aware Architectural Transformations at Run-Time: The ENIA Case. Lecture Notes in Computer Science, 2016, , 288-302.	1.0	1
34	A Web Services Infrastructure for the Management of Mashup Interfaces. Lecture Notes in Computer Science, 2016, , 64-75.	1.0	1
35	An Interaction Meta-model for Cooperative Component-Based User Interfaces. Lecture Notes in Computer Science, 2010, , 259-268.	1.0	1
36	Semantic Matching of Components at Run-Time in Distributed Environments. Lecture Notes in Computer Science, 2015, , 431-441.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Defining interactions of WoT servients with causality relations. , 2021, , .		1
38	An approach to a pattern for business process management and deployment of software engineering for small companies in a crossplatform era. , 2012, , .		0
39	A safe approach using virtual devices to evaluate home automation architectures prior installations. , 2017, , .		0
40	An Approach to Integrate IoT Systems with No-Web Interfaces. Advances in Intelligent Systems and Computing, 2021, , 417-427.	0.5	0
41	Optimally Storing the User Interaction in Mashup Interfaces Within a Relational Database. Lecture Notes in Computer Science, 2016, , 188-195.	1.0	0
42	Towards the Integration of Web of Things Applications Based on Service Discovery. Lecture Notes in Computer Science, 2020, , 24-29.	1.0	0
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