Manuel Noguera

List of Publications by Year
in descending order

72 papers	442 citations	1040056 9 h-index	839539 18 g-index
75 all docs	75 docs citations	75 times ranked	430 citing authors

#	Article	IF	Citations
1	Architecting dietary intake monitoring as a service combining NLP and IoT. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 5377-5389.	4.9	3
2	IFC+: Towards the integration of IoT into early stages of building design. Automation in Construction, 2022, 136, 104129.	9.8	14
3	Exploiting an Ontology-Based Solution to Study Code Smells. Communications in Computer and Information Science, 2021, , 234-246.	0.5	0
4	Applying an MDA-based approach for enhancing the validation of business process models. Procedia Computer Science, 2021, 184, 761-766.	2.0	3
5	FLEXOR: A support tool for efficient and seamless experiment data processing to evaluate musculo-articular stiffness. Computer Methods and Programs in Biomedicine, 2019, 182, 105048.	4.7	0
6	General Architecture for Development of Virtual Coaches for Healthy Habits Monitoring and Encouragement. Sensors, 2019, 19, 108.	3.8	8
7	An IoT-Aware Architectural Model for Smart Habitats. , 2018, , .		6
8	Introducing Computational Semantics for Natural Language Understanding in Conversational Nutrition Coaches for Healthy Eating. Proceedings (mdpi), 2018, 2, 506.	0.2	1
9	DEVELOPMENT AND APPLICATION OF AN APP FOR VIRTUALIZED LEARNING OF SCIENTIFIC AND MEDICAL TERMINOLOGY. , 2018, , .		0
10	Extending multi-tenant architectures: a database model for a multi-target support in SaaS applications. Enterprise Information Systems, 2016, 10, 400-421.	4.7	9
11	Ontology-based Transformation from CIM to PIM. IEEE Latin America Transactions, 2016, 14, 4156-4165.	1.6	8
12	Nutrition for Elder Care: a nutritional semantic recommender system for the elderly. Expert Systems, 2016, 33, 201-210.	4.5	61
13	A Metaprocesses-Oriented Methodology Based on RAS (Software Assets Reuse). Communications in Computer and Information Science, 2016, , 27-38.	0.5	0
14	User Progress Modelling in Counselling Systems: An Application to an Adaptive Virtual Coach. Lecture Notes in Computer Science, 2016, , 479-487.	1.3	0
15	A Comparative Study on the Suitability of Smartphones and IMU for Mobile, Unsupervised Energy Expenditure Calculi. Sensors, 2015, 15, 18270-18286.	3.8	7
16	A Cloud collaborative approach for managing patients wellness. , 2015, , .		4
17	Managing technological knowledge of patents: HCOntology, a semantic approach. Computers in Industry, 2015, 72, 1-13.	9.9	9
18	A Model-Driven Approach for Wearable Systems Developments. International Journal of Distributed Sensor Networks, 2015, 2015, 1-12.	2.2	6

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19	A Mixed Approach for the Representation of Nutritional Information Through XML-to-OWL Mappings. Communications in Computer and Information Science, 2015, , 246-257.	0.5	0
20	Towards a Model-Driven Approach for Sensor Management in Wireless Body Area Networks. Lecture Notes in Computer Science, 2014, , 335-347.	1.3	3
21	Supporting Agile Software Development and Deployment in the Cloud. , 2014, , 269-288.		1
22	Using Unconventional Awareness in Emergency Responses. IEEE Latin America Transactions, 2014, 12, 62-68.	1.6	2
23	Model-driven and ontology-based framework for semantic description and validation of business processes. IEEE Latin America Transactions, 2014, 12, 292-299.	1.6	3
24	Self-monitoring and professional feedback through CloudRehab, a Mobile Cloud Platform for Neuro-rehabiliation. , 2014, , .		2
25	CloudFit: A Cloud-Based Mobile Wellness Platform Supported by Wearable Computing. Advances in Intelligent Systems and Computing, 2014, , 151-159.	0.6	3
26	Energy Expenditure Analysis: A Comparative Research of Based on Mobile Accelerometers. Lecture Notes in Computer Science, 2014, , 38-45.	1.3	2
27	Representing Micro-Business Requirements Patterns with Associated Software Components. International Journal of Information System Modeling and Design, 2014, 5, 71-90.	1.1	0
28	A Model-Driven Approach for the Development of Middleware Technologies for Ubiquitous Systems. , 2013, , .		2
29	A requirements-based approach for representing micro-business patterns. , 2013, , .		1
30	Requirements Systematization through Pattern Application in Ubiquitous Systems. Advances in Intelligent Systems and Computing, 2013, , 17-24.	0.6	7
31	Analyzing a firmâ€™s international portfolio of technological knowledge: A declarative ontology-based OWL approach for patent documents. Advanced Engineering Informatics, 2013, 27, 358-365.	8.0	16
32	REUBI: A Requirements Engineering method for ubiquitous systems. Science of Computer Programming, 2013, 78, 1895-1911.	1.9	23
33	Selecting among alternatives using dependencies. , 2013, , .		4
34	Using unconventional awareness mechanisms to support mobile work. , 2013, , .		0
35	Applying model-driven engineering to a method for systematic treatment of NFRs in AmI systems. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 287-310.	1.4	4
36	A Mobile Cloud-supported e-Rehabilitation Platform for Brain-Injured Patients. , 2013, , .		9

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37	Zappa: An Open Mobile Platform to Build Cloud-Based m-Health Systems. Advances in Intelligent Systems and Computing, 2013, , 87-94.	0.6	19
38	Component-Based Design for Multi-tenant Multi-target Support in the Cloud. Lecture Notes in Business Information Processing, 2013, , 146-160.	1.0	1
39	Designing a Service Platform for Sharing Internet Resources in MANETs. Communications in Computer and Information Science, 2013, , 331-345.	0.5	4
40	Adding Sense to Patent Ontologies: A Representation of Concepts and Reasoning. Advances in Intelligent Systems and Computing, 2013, , 67-75.	0.6	0
41	Semantic Patent Information Retrieval and Management with OWL. Advances in Intelligent Systems and Computing, 2013, , 33-42.	0.6	2
42	Cloud and Web Services Integration for mHealth Telerehabilitation Support. Communications in Computer and Information Science, 2013, , 266-276.	0.5	2
43	Leveraging the Model-Driven Architecture for Service Choreography in Ubiquitous Systems. Lecture Notes in Computer Science, 2013, , 303-310.	1.3	2
44	A Communication Model to Integrate the Request-Response and the Publish-Subscribe Paradigms into Ubiquitous Systems. Sensors, 2012, 12, 7648-7668.	3.8	42
45	Micro-business behavior patterns associated with components in a requirements approach. , 2012, , .		2
46	Multi-Tenancy Multi-Target (MT2): A SaaS Architecture for the Cloud. Lecture Notes in Computer Science, 2012, , 214-227.	1.3	3
47	System and software solution-oriented architectures. Science of Computer Programming, 2012, 77, 1-3.	1.9	1
48	Novel approaches in the design and implementation of system/software architectures. Journal of Systems and Software, 2012, 85, 459-462.	4.5	0
49	A Model-Driven Approach to Requirements Engineering in Ubiquitous Systems. Advances in Intelligent and Soft Computing, 2012, , 85-92.	0.2	6
50	Towards a Reusable Design of a Positioning System for AAL Environments. Communications in Computer and Information Science, 2012, , 65-79.	0.5	3
51	A Metaprocesses-Oriented Methodology for Software Assets Reuse in the e-Health Domain. Lecture Notes in Computer Science, 2012, , 438-445.	1.3	0
52	Adaptation mechanisms based on quality properties. , 2012, , .		0
53	An agile requirements elicitation approach based on NFRs and business process models for micro-businesses. , 2011, , .		10
54	Goal-Oriented Software Architecting. , 2011, , 91-109.		9

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55	Preface IWSSA 2011. Lecture Notes in Computer Science, 2011, , 294-295.	1.3	0
56	Enabling customizable virtual debate environments in higher education. Procedia, Social and Behavioral Sciences, 2010, 2, 3319-3323.	0.5	0
57	Ontology-driven analysis of UML-based collaborative processes using OWL-DL and CPN. Science of Computer Programming, 2010, 75, 726-760.	1.9	31
58	Designing high quality system/software architectures. Science of Computer Programming, 2010, 75, 669-671.	1.9	0
59	Dynamic Ontology-Based Redefinition of Events Intended to Support the Communication of Complex Information in Ubiquitous Computing. Network Protocols and Algorithms, 2010, 2, .	1.0	5
60	Redefinable events for dynamic reconfiguration of communications in ubiquitous computing. , 2010, , .		1
61	Extending and Formalizing UML 2.0 Activity Diagrams for the specification of time-constrained business processes. , 2010, , .		1
62	A Framework for the Semantic Representation of Business Processes within Business Organizational Models. Lecture Notes in Business Information Processing, 2010, , 79-94.	1.0	2
63	Construction of interaction observation systems for collaboration analysis in groupware applications. Advances in Engineering Software, 2009, 40, 1242-1250.	3.8	10
64	Designing User Interfaces for Collaborative Applications: A Model-Based Approach. , 2009, , 1-11.		0
65	Towards Compositional Verification in MEDISTAM-RT Methodological Framework. Lecture Notes in Computer Science, 2009, , 211-218.	1.3	0
66	IWSSA 2009 PC Co-chairsâ€™ Message. Lecture Notes in Computer Science, 2009, , 292-293.	1.3	0
67	Applying Formal Verification Techniques to Ambient Assisted Living Systems. Lecture Notes in Computer Science, 2009, , 381-390.	1.3	3
68	Using a CBR Approach Based on Ontologies for Recommendation and Reuse of Knowledge Sharing in Decision Making. , 2008, , .		11
69	An Architecture to Integrate Automatic Observation Mechanisms for Collaboration Analysis in Groupware. Lecture Notes in Computer Science, 2008, , 354-363.	1.3	1
70	Definition and use of Computation Independent Models in an MDA-based groupware development process. Science of Computer Programming, 2007, 66, 25-43.	1.9	28
71	An Approach to the Model-Based Design of Groupware Multi-user Interfaces. Lecture Notes in Computer Science, 2007, , 157-164.	1.3	3
72	Leveraging the Linda Coordination Model for a Groupware Architecture Implementation. Lecture Notes in Computer Science, 2006, , 286-301.	1.3	5