

Arantza Illarramendi

List of Publications by Year in descending order

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66
papers

1,456
citations

471371

17
h-index

345118

36
g-index

67
all docs

67
docs citations

67
times ranked

1290
citing authors

#	ARTICLE	IF	CITATIONS
1	A flexible alarm prediction system for smart manufacturing scenarios following a forecasterâ€“analyzer approach. <i>Journal of Intelligent Manufacturing</i> , 2021, 32, 1323-1344.	4.4	10
2	Towards the implementation of Industry 4.0: A methodology-based approach oriented to the customer life cycle. <i>Computers in Industry</i> , 2021, 126, 103403.	5.7	19
3	A Semantic Approach for Big Data Exploration in Industry 4.0. <i>Big Data Research</i> , 2021, 25, 100222.	2.6	13
4	ExtruOnt: An ontology for describing a type of manufacturing machine for Industry 4.0 systems. <i>Semantic Web</i> , 2020, 11, 887-909.	1.1	20
5	One app to rule them all: collaborative injection of situations in an adaptable context-aware application. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 4679-4692.	3.3	3
6	Facilitating Data Exploration in Industry 4.0. <i>Lecture Notes in Computer Science</i> , 2019, , 125-134.	1.0	1
7	I4TSPS: a Visual-Interactive Web System for Industrial Time-Series Pre-processing. , 2018, , .		2
8	A Telerehabilitation System for the Selection, Evaluation and Remote Management of Therapies. <i>Sensors</i> , 2018, 18, 1459.	2.1	61
9	Real-time communication for Kinect-based telerehabilitation. <i>Future Generation Computer Systems</i> , 2017, 75, 72-81.	4.9	18
10	All for One and One For All: Dynamic Injection of Situations in a Generic Context-Aware Application. <i>Procedia Computer Science</i> , 2017, 113, 17-24.	1.2	4
11	Long-life application. <i>Personal and Ubiquitous Computing</i> , 2017, 21, 1025-1037.	1.9	7
12	TrhOnt: building an ontology to assist rehabilitation processes. <i>Journal of Biomedical Semantics</i> , 2016, 7, 60.	0.9	8
13	Requirements for a big data capturing and integration architecture in a distributed manufacturing scenario. , 2016, , .		8
14	Validation of a Kinect-based telerehabilitation system with total hip replacement patients. <i>Journal of Telemedicine and Telecare</i> , 2016, 22, 192-197.	1.4	36
15	Binding SNOMED CT Terms to Archetype Elements. <i>Methods of Information in Medicine</i> , 2015, 54, 45-49.	0.7	6
16	Exercise Recognition for Kinect-based Telerehabilitation. <i>Methods of Information in Medicine</i> , 2015, 54, 145-155.	0.7	54
17	Business understanding, challenges and issues of Big Data Analytics for the servitization of a capital equipment manufacturer. , 2015, , .		13
18	MultiCAMBA: a system for selecting camera views in live broadcasting of sport events using a dynamic 3D model. <i>Multimedia Tools and Applications</i> , 2015, 74, 4059-4090.	2.6	5

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19	Cross-domain targeted ontology subsets for annotation: The case of SNOMED CORE and RxNorm. <i>Journal of Biomedical Informatics</i> , 2014, 47, 105-111.	2.5	4
20	SHERLOCK: Semantic management of Location-Based Services in wireless environments. <i>Pervasive and Mobile Computing</i> , 2014, 15, 87-99.	2.1	25
21	Towards a satisfactory conversion of messages among agent-based information systems. <i>Expert Systems With Applications</i> , 2013, 40, 2462-2475.	4.4	3
22	KiReS: A Kinect-based telerehabilitation system. , 2013, , .		36
23	SHERLOCK. , 2013, , .		2
24	Query Rewriting for an Incremental Search in Heterogeneous Linked Data Sources. <i>Lecture Notes in Computer Science</i> , 2013, , 13-24.	1.0	4
25	Usability-driven pruning of large ontologies: the case of SNOMED CT. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, e102-e109.	2.2	10
26	A Friendly Location-Aware System to Facilitate the Work of Technical Directors when Broadcasting Sport Events. <i>Mobile Information Systems</i> , 2012, 8, 17-43.	0.4	13
27	Toward Semantic Interoperability of Electronic Health Records. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 424-431.	3.6	36
28	DEMO MultiCAMBA: A System to Assist in the Broadcasting of Sport Events. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012, , 238-242.	0.2	0
29	A middleware to enhance current multimedia retrieval systems with content-based functionalities. <i>Multimedia Systems</i> , 2011, 17, 149-164.	3.0	3
30	A mechanism for discovering semantic relationships among agent communication protocols. <i>Autonomous Agents and Multi-Agent Systems</i> , 2011, 23, 453-485.	1.3	1
31	Location-aware system based on a dynamic 3D model to help in live broadcasting of sport events. , 2011, , .		4
32	Real-Time Detection of Apneas on a PDA. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 995-1002.	3.6	75
33	Location-dependent query processing. <i>ACM Computing Surveys</i> , 2010, 42, 1-73.	16.1	125
34	Ontology Mapping: The Case of the CInESPACE Project. , 2009, , .		0
35	Architecture, cost-model and customization of real-time monitoring systems based on mobile biological sensor data-streams. <i>Computer Methods and Programs in Biomedicine</i> , 2009, 96, 141-157.	2.6	11
36	A system based on mobile agents to test mobile computing applications. <i>Journal of Network and Computer Applications</i> , 2009, 32, 846-865.	5.8	15

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37	SAMON: Sleep apnea monitoring. , 2009, , .		0
38	Real-time detection of transient cardiac ischemic episodes from ECG signals. Physiological Measurement, 2009, 30, 983-998.	1.2	23
39	DMS-1 Driven Data Model to Enable a Semantic Middleware for Multimedia Information Retrieval in a Broadcaster. , 2009, , .		2
40	Using cooperative mobile agents to monitor distributed and dynamic environments. Information Sciences, 2008, 178, 2105-2127.	4.0	63
41	Real-Time Monitoring of Mobile Biological Sensor Data-Streams: Architecture and Cost-Model. , 2008, , .		1
42	Semantic Middleware to Enhance Multimedia Retrieval in a Broadcaster. Lecture Notes in Computer Science, 2008, , 74-88.	1.0	2
43	Semantic Web Technology for Agent Communication Protocols. , 2008, , 5-18.		5
44	Interoperation among agent-based information systems through a communication acts ontology. Information Systems, 2007, 32, 1121-1144.	2.4	12
45	Location-dependent queries in mobile contexts: distributed processing using mobile agents. IEEE Transactions on Mobile Computing, 2006, 5, 1029-1043.	3.9	64
46	A software retrieval service based on adaptive knowledge-driven agents for wireless environments. ACM Transactions on Autonomous and Adaptive Systems, 2006, 1, 67-90.	0.4	6
47	Semantic Interoperation Among Data Systems at a Communication Level. Lecture Notes in Computer Science, 2006, , 1-24.	1.0	3
48	RedBD. SIGMOD Record, 2005, 34, 51-56.	0.7	0
49	Real-Time Classification of ECGs on a PDA. IEEE Transactions on Information Technology in Biomedicine, 2005, 9, 23-34.	3.6	185
50	An Intelligent System for Assisting Elderly People. Lecture Notes in Computer Science, 2005, , 466-474.	1.0	7
51	A Flexible Data Processing Technique for a Tele-assistance System of Elderly People. Lecture Notes in Computer Science, 2004, , 270-281.	1.0	2
52	Emergent Semantics Principles and Issues. Lecture Notes in Computer Science, 2004, , 25-38.	1.0	52
53	Emergent Semantics Systems. Lecture Notes in Computer Science, 2004, , 14-43.	1.0	23
54	A Mobile Agents Based Architecture for the Distributed Processing of Continuous Location Queries in a Wireless Environment: Performance Evaluation. Lecture Notes in Computer Science, 2004, , 355-364.	1.0	2

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55	A New Mechanism for the Interoperability of Data Systems. Lecture Notes in Computer Science, 2004, , 231-249.	1.0	2
56	Capturing, Analysing, and Managing ECG Sensor Data in Handheld Devices. Lecture Notes in Computer Science, 2003, , 1133-1150.	1.0	5
57	Using Ontologies in the Development of an Innovating System for Elderly People Tele-assistance. Lecture Notes in Computer Science, 2003, , 889-905.	1.0	7
58	Keep Your Data Safe and Available While Roaming. Mobile Networks and Applications, 2002, 7, 315-328.	2.2	15
59	Monitoring Continuous Location Queries Using Mobile Agents. Lecture Notes in Computer Science, 2002, , 92-105.	1.0	13
60	Title is missing!. Distributed and Parallel Databases, 2000, 8, 223-271.	1.0	256
61	Data Lockers: Mobile-Agent Based Middleware for the Security and Availability of Roaming Users Data. Lecture Notes in Computer Science, 2000, , 275-286.	1.0	10
62	Mapping among knowledge bases and data repositories: Precise definition of its syntax and semantics. Information Systems, 1999, 24, 275-301.	2.4	6
63	An Optimal Cache for a Federated Database System. Journal of Intelligent Information Systems, 1997, 9, 125-155.	2.8	8
64	BUILDING A FEDERATED RELATIONAL DATABASE SYSTEM: AN APPROACH USING A KNOWLEDGE-BASED SYSTEM. International Journal of Cooperative Information Systems, 1994, 03, 415-455.	0.6	24
65	Heuristics for syntactical optimization of relational queries. Information Processing Letters, 1989, 32, 313-316.	0.4	2
66	A Wireless Application That Monitors ECG Signals On-Line: Architecture and Performance. , 0, , 267-274.		1