

A survey of context modelling and reasoning technique

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Towards a novel approach for High-Stake Decision Support System based on Community Contributed Knowledge Base. , 2010, , .		2
2	Scenario-based context-aware service design. , 2010, , .		3
3	On the efficiency of semantic web based context computing infrastructures. , 2010, , .		0
4	Ontology-based decision support for military information systems. , 2010, , .		2
5	Managing Dynamic Context to Optimize Smart Interactions and Services. Lecture Notes in Computer Science, 2010, , 289-318.	1.0	34
6	Generic context ontology modelling: A review and framework. , 2010, , .		15
7	Evaluation of first order Bayesian networks for context modeling and reasoning. , 2010, , .		4
8	Towards micro architecture for security adaptation. , 2010, , .		9
9	Context-awareness in smart spaces. , 2010, , .		17
10	Distributed Multi-agent Reasoning with Layered Context Modeling and Priority. , 2010, , .		2
11	A service-oriented approach towards context-aware mobile Learning Management Systems. , 2010, , .		15
12	A Chemical Model to Enable Context Awareness. , 2011, , .		2
13	Modeling and Coordinating Social Interactions in Pervasive Environments. , 2011, , .		16
14	Fast Prototyping and Deployment of Context-Aware Smart Outdoor Environments. , 2011, , .		1
15	A Domain-Specific Language for the Specification of Adaptable Context Inference. , 2011, , .		6
16	A preference modelling approach to support intelligibility in pervasive applications. , 2011, , .		9
17	Incremental Query Answering over Dynamic Contextual Information. , 2011, , .		0
18	Case Study: Context-Aware Supervision of a Smart Maintenance Process. , 2011, , .		12

#	ARTICLE	IF	CITATIONS
19	An Approach to Model-Based Development of Context-Aware Adaptive Systems. , 2011, , .		9
20	Towards a cloud-based framework for context management. , 2011, , .		5
21	A Hybrid Context Model for Pervasive Healthcare System. Key Engineering Materials, 0, 474-476, 531-536.	0.4	0
22	Discovering daily routines from Google Latitude with topic models. , 2011, , .		30
23	Reconciling Requirements and Implementation via Reengineering for Context-Aware Service Evolution. , 2011, , .		3
24	An Ontology-Based Context Model for Building Context-Aware Services. , 2011, , .		8
25	User Modeling, Adaption and Personalization. Lecture Notes in Computer Science, 2011, , .	1.0	10
26	Towards a feasible social-based methodology to manage wireless connectivity context data. , 2011, , .		1
27	A context-aware middleware for ambient intelligence. , 2011, , .		4
28	Advances in Computing and Communications. Communications in Computer and Information Science, 2011, , .	0.4	3
29	Conceptualization of a Context Aware Cloud Adaptation (CACA) Framework. , 2011, , .		6
30	A fine-grain approach for evaluating the quality of context. , 2011, , .		6
31	Self-Organizing Context Aware Agent Systems. , 2011, , .		0
32	Online Semantic Knowledge Management for Product Design Based on Product Engineering Ontologies. International Journal on Semantic Web and Information Systems, 2011, 7, 36-61.	2.2	2
33	PlaceComm: A framework for context-aware applications in place-based virtual communities. Journal of Ambient Intelligence and Smart Environments, 2011, 3, 51-64.	0.8	10
34	A Dynamic Context Reasoning based on Evidential Fusion Networks in Home-Based Care. , 0, , .		2
35	Contextualizing security for digital long-term preservation. , 2011, , .		0
36	Wearable Computing. IEEE Robotics and Automation Magazine, 2011, 18, 83-95.	2.2	49

#	ARTICLE	IF	CITATIONS
37	Continuous improvement through knowledge-guided analysis in experience feedback. Engineering Applications of Artificial Intelligence, 2011, 24, 1419-1431.	4.3	48
38	A semantic model for actions and events in ambient intelligence. Engineering Applications of Artificial Intelligence, 2011, 24, 1432-1445.	4.3	21
39	Designing context-sensitive systems: An integrated approach. Expert Systems With Applications, 2011, 38, 1119-1138.	4.4	59
40	Tool support for the design and management of context models. Information Systems, 2011, 36, 99-114.	2.4	10
41	OWL 2 modeling and reasoning with complex human activities. Pervasive and Mobile Computing, 2011, 7, 379-395.	2.1	131
42	A generic approach for on-the-fly adding of context-aware features to existing websites. , 2011, , .		3
43	Mashups and widget orchestration. , 2011, , .		8
44	Context management system for pervasive WMN. , 2011, , .		1
45	Similarity based optimization context awareness in remote healthy service. , 2011, , .		0
46	FRIEND: A human-aware BDI agent architecture. , 2011, , .		5
47	Towards a dynamic adaption of capacity in mobile telephony networks using context information. , 2011, , .		9
48	A Verification Mechanism of Feature Models for Mobile and Context-Aware Software Product Lines. , 2011, , .		3
49	Pervasive urban crowdsourcing: Visions and challenges. , 2011, , .		56
50	Sensors, empowerment, and accountability: a Digital Earth view from East Africa. International Journal of Digital Earth, 2011, 4, 285-304.	1.6	25
51	Online Semantic Knowledge Management for Product Design Based on Product Engineering Ontologies. , 2011, , .		2
52	Towards autonomic software product lines. , 2011, , .		8
53	Formal modelling, knowledge representation and reasoning for design and development of user-centric pervasive software: a meta-review. International Journal of Metadata, Semantics and Ontologies, 2011, 6, 96.	0.2	8
54	Meta Reconfiguration of Adaptive Middleware Using Semantic Web and Context Information. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
55	Similarity Based Distributed Context Reasoning with Layer Context Modeling. , 2011, , .		3
56	Privacy context model for dynamic privacy adaptation in ubiquitous computing. , 2012, , .		8
57	Context-Based Tourism Information Filtering with a Semantic Rule Engine. Sensors, 2012, 12, 5273-5289.	2.1	18
58	Situation recognition in sensor based environments using concept lattices. , 2012, , .		18
59	International Workshop on Situation, Activity and Goal Awareness (SAGAware 2012). , 2012, , .		1
60	DynamiCC. , 2012, , .		0
61	SmartShadow-K. , 2012, , .		2
62	Application architectures for smart multi-device applications. , 2012, , .		8
63	An event-driven workflow framework to develop context-aware mobile applications. , 2012, , .		11
64	A survey on success factors to design context-aware frameworks to develop mobile patient monitoring systems. , 2012, , .		0
65	A future supermarket system based on context-aware. , 2012, , .		0
66	Context-Aware Mashup for Smart Mobile Devices. , 2012, , .		1
68	Towards a formal model to reason about context-aware exception handling. , 2012, , .		7
69	An Architecture-Based Approach to Developing Context-Aware Adaptive Systems. , 2012, , .		4
70	Mashups by orchestration and widget-based personal environments. Data Technologies and Applications, 2012, 46, 383-428.	0.8	24
72	Representing and Managing the Context of a Situation. Computer Journal, 2012, 55, 1005-1019.	1.5	9
73	Enriching adaptation in e-learning systems through a situation-aware ontology network. Interactive Technology and Smart Education, 2012, 9, 60-73.	3.8	17
74	Situation-based and self-adaptive applications for the smart environment. Journal of Ambient Intelligence and Smart Environments, 2012, 4, 491-516.	0.8	17

#	ARTICLE	IF	CITATIONS
75	Ontology-based context-sensitive computing for FMS optimization. <i>Assembly Automation</i> , 2012, 32, 163-174.	1.0	21
76	Event recording system for smart space applications. , 2012, , .		1
77	Mechanism for robust dataflow operation on smart spaces. , 2012, , .		1
78	Computationally Significant Semantics in Pervasive Healthcare. <i>Journal of Integrated Design and Process Science</i> , 2012, 16, 43-62.	0.2	10
79	Experiences in managing uncertainty and ignorance in a lightly instrumented smart home. <i>International Journal of Pervasive Computing and Communications</i> , 2012, 8, 225-249.	1.1	2
80	Situation, activity and goal awareness in ubiquitous computing. <i>International Journal of Pervasive Computing and Communications</i> , 2012, 8, 216-224.	1.1	4
81	QoS-aware and autonomic-oriented multi-path TCP extensions for mobile and multimedia applications. <i>International Journal of Pervasive Computing and Communications</i> , 2012, 8, 306-328.	1.1	3
82	Following the User's Interests in Mobile Context-Aware Recommender Systems: The Hybrid-e-greedy Algorithm. , 2012, , .		18
83	Design and validation of a light inference system to support embedded context reasoning. <i>Personal and Ubiquitous Computing</i> , 2012, 16, 781-797.	1.9	6
84	Context provenance to enhance the dependability of ambient intelligence systems. <i>Personal and Ubiquitous Computing</i> , 2012, 16, 799-818.	1.9	9
85	Analysing monitoring and switching problems for adaptive systems. <i>Journal of Systems and Software</i> , 2012, 85, 2829-2839.	3.3	17
86	MICE: Monitoring and Modelling the Context Evolution. , 2012, , .		2
87	Artificial Intelligence Applications and Innovations. <i>International Federation for Information Processing</i> , 2012, , .	0.4	0
88	Model-based development of context-aware applications using the MILEO-context server. , 2012, , .		5
89	On the measurement of semantic reasoners in Ambient Assisted Living environments. , 2012, , .		3
90	A vector-space retrieval system for contextual awareness. , 2012, , .		1
91	Contextual model object definition in engineering. , 2012, , .		0
92	Towards an Open and Interoperable Platform for Real Time Decision Making in Intelligent Cities. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
93	Processing the uncertainty: Quality-aware data stream processing for dynamic context models. , 2012, , .		1
94	A distributed architecture for dynamic contexts composition in Ubicomp. , 2012, , .		1
95	A survey on success factors to design application frameworks to develop mobile patient monitoring systems. , 2012, , .		2
96	Managing adaptation in Ubicomp. , 2012, , .		3
97	Capturing Tag Dynamics by Prediction for Pervasive Internet-of-Things Applications. , 2012, , .		0
98	Experiences on sensor fusion with commonsense reasoning. , 2012, , .		3
99	Street Computing: Towards an Integrated Open Data Application Programming Interface (API) for Cities. Journal of Urban Technology, 2012, 19, 1-23.	2.5	26
100	Service platform for context reasoning in home environment. , 2012, , .		2
101	Dealing with uncertainties in the monitoring of patients through sensors networks. , 2012, , .		2
102	A Framework for Dynamic Validation of Context-Aware Applications. , 2012, , .		5
103	A Functional Implementation Approach for Web Services-Based Context-Aware Systems. , 2012, , .		0
104	Grid and Pervasive Computing Workshops. Lecture Notes in Computer Science, 2012, , .	1.0	0
105	A model for context awareness in Ubicomp. , 2012, , .		10
106	Context driven process selection and integration of mobile and pervasive systems. Pervasive and Mobile Computing, 2012, 8, 467-482.	2.1	6
107	Adaptable Context-Aware Micro-architecture. Lecture Notes in Computer Science, 2012, , 125-132.	1.0	0
108	VANET IR-CAS. , 2012, , .		8
109	Foundations of Context Management in Distributed and Dynamic Environments. SpringerBriefs in Computer Science, 2012, , 9-27.	0.2	0
110	Situation identification techniques in pervasive computing: A review. Pervasive and Mobile Computing, 2012, 8, 36-66.	2.1	359

#	ARTICLE	IF	CITATIONS
111	Looking ahead in pervasive computing: Challenges and opportunities in the era of cyber-physical convergence. Pervasive and Mobile Computing, 2012, 8, 2-21.	2.1	239
112	Pervasive computing at scale: Transforming the state of the art. Pervasive and Mobile Computing, 2012, 8, 22-35.	2.1	96
113	Non-monotonocity in OrBAC through default and exception policy rules. , 2012, , .		0
114	Supporting Situation-Awareness in Smart Spaces. Lecture Notes in Computer Science, 2012, , 14-23.	1.0	3
115	Object-oriented and ontology context-aware modeling based on XML. , 2012, , .		1
116	Fuzzy CARA - A Fuzzy-Based Context Reasoning System For Pervasive Healthcare. Procedia Computer Science, 2012, 10, 357-365.	1.2	46
117	Contextual information in user information systems in public transportation: A systematic review. , 2012, , .		2
118	A survey of context data distribution for mobile ubiquitous systems. ACM Computing Surveys, 2012, 44, 1-45.	16.1	203
119	Towards successful design of context-aware application frameworks to develop Mobile Patient Monitoring Systems using wireless sensors. , 2012, , .		0
120	A Cloud Service Framework for Visualizing and Reasoning with Mobile Contexts. , 2012, , .		1
121	Foundations for a Platform to Develop Context-aware Systems by Domain Experts. , 2012, , .		0
122	Towards a semantic and MPTCP-based Autonomic Transport protocol for mobile and multimedia applications. , 2012, , .		1
123	Database and Expert Systems Applications. Lecture Notes in Computer Science, 2012, , .	1.0	0
124	Semantic Applications Enabling Reasoning in Product Assembly Ontologies- Moving Past Modeling. Journal of Computing and Information Science in Engineering, 2012, 12, .	1.7	13
125	Formal reasoning of web application Firewall rules through ontological modeling. , 2012, , .		7
126	Context capturing in smart space applications. Network Protocols and Algorithms, 2012, 4, .	1.0	1
127	Structuring reasoning for interpretation of sensor data in home-based health and well-being monitoring applications. Journal of Ambient Intelligence and Smart Environments, 2012, 4, 461-476.	0.8	6
128	Supporting ubiquitous sensor-cloudlets and context-cloudlets: Programming compositions of context-aware systems for mobile users. Future Generation Computer Systems, 2012, 28, 619-632.	4.9	20

#	ARTICLE	IF	CITATIONS
129	An adaptive rule-based approach for managing situation-awareness. Expert Systems With Applications, 2012, 39, 10796-10811.	4.4	33
130	A context-aware lighting control system for smart meeting rooms. Systems Engineering Procedia, 2012, 4, 314-323.	0.3	16
131	Petri net-based context modeling for context-aware systems. Artificial Intelligence Review, 2012, 37, 43-67.	9.7	15
132	Survey on context-awareness in ubiquitous media. Multimedia Tools and Applications, 2013, 67, 179-211.	2.6	59
133	Estimation of in-service quality of experience for peer-to-peer live video streaming systems using a user-centric and context-aware approach based on Bayesian networks. Transactions on Emerging Telecommunications Technologies, 2013, 24, 280-287.	2.6	4
134	Context-Aware Systems and Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , .	0.2	1
137	Building and evaluating context-aware collaborative working environments. Information Sciences, 2013, 235, 224-241.	4.0	7
139	iCROSS: toward a scalable infrastructure for cross-domain context management. Personal and Ubiquitous Computing, 2013, 17, 591-602.	1.9	4
140	A Semantic Policy Framework for Context-Aware Access Control Applications. , 2013, , .		10
141	Survey of Context Provisioning Middleware. IEEE Communications Surveys and Tutorials, 2013, 15, 1492-1519.	24.8	87
142	Building Adaptive Accessible Context-Aware for User Interface Tailored to Disable Users. , 2013, , .		5
143	ODM-based modeling for user-centered context-aware mobile applications. , 2013, , .		0
144	Petri Nets Context Modeling for the Pervasive Human-Computer Interfaces. Lecture Notes in Computer Science, 2013, , 316-329.	1.0	0
145	A generic metamodel for adaptable service oriented systems modeling using DSM approach. , 2013, , .		2
146	The Requirements to Enhance the Design of Context-Aware Mobile Patient Monitoring Systems Using Wireless Sensors. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 62-71.	0.2	2
147	Knowledge reuse integrating the collaboration from experts in industrial maintenance management. Knowledge-Based Systems, 2013, 50, 171-186.	4.0	75
148	Context-Aware Agile Business Process Engine: Foundations and Architecture. Lecture Notes in Business Information Processing, 2013, , 32-47.	0.8	6
149	Context-Aware Driver Behavior Detection System in Intelligent Transportation Systems. IEEE Transactions on Vehicular Technology, 2013, 62, 4264-4275.	3.9	158

#	ARTICLE	IF	CITATIONS
150	A Context-Aware Middleware for Interaction Device Deployment in Aml. Lecture Notes in Computer Science, 2013, , 183-192.	1.0	2
151	On the analysis of hierarchical autonomic control of multiparty services. IEEE Network, 2013, 27, 45-51.	4.9	3
152	A Method for Model Checking Context-Aware Exception Handling. , 2013, , .		0
153	Context-aware microgrid storage using electric cars. , 2013, , .		1
154	Formulating Situation Awareness for Multi-agent Systems. , 2013, , .		5
155	Implementing artificial awareness with KnowLang. , 2013, , .		3
157	PathSim: A Tool for Finding Minimal Energy Device Operation Sequence for Reaching a Target Context in a Smart-Home. , 2013, , .		3
158	Context-Aware User Modeling and Semantic Interoperability in Smart Home Environments. , 2013, , .		3
159	Modeling, managing and reasoning about social contexts for socially-aware applications. , 2013, , .		8
160	Collective Awareness for Human-ICT Collaboration in Smart Cities. , 2013, , .		19
161	Opening the loops — Towards semantic, information-centric networking in the Internet of Things. , 2013, , .		2
162	Formal foundations for situation awareness based on dependent type theory. Information Fusion, 2013, 14, 87-107.	11.7	19
163	An ontological framework for activity monitoring and reminder reasoning in an assisted environment. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 157-168.	3.3	15
164	A Survey on Context-Aware Mobile and Wireless Networking: On Networking and Computing Environments' Integration. IEEE Communications Surveys and Tutorials, 2013, 15, 362-386.	24.8	137
165	MultiS: A Context-Server for Pervasive Computing. Electronic Notes in Theoretical Computer Science, 2013, 292, 39-56.	0.9	1
166	Ontology-based Activity Recognition Framework and Services. , 2013, , .		6
167	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.	4.0	16
168	Considering impacts and requirements for better understanding of environment interactions in home network services. Computer Networks, 2013, 57, 2442-2453.	3.2	10

#	ARTICLE	IF	CITATIONS
169	Building ubiquitous QoC-aware applications through model-driven software engineering. Science of Computer Programming, 2013, 78, 1912-1929.	1.5	17
170	Realizing the Internet of Nano Things: Challenges, Solutions, and Applications. Computer, 2013, 46, 62-68.	1.2	147
171	Situation-based testing for pervasive computing environments. Pervasive and Mobile Computing, 2013, 9, 76-97.	2.1	4
172	Middleware for pervasive computing: A survey. Pervasive and Mobile Computing, 2013, 9, 177-200.	2.1	92
173	Mobile social networking middleware: A survey. Pervasive and Mobile Computing, 2013, 9, 437-453.	2.1	56
174	Contextual Data Tailoring Using ASP. Lecture Notes in Computer Science, 2013, , 99-117.	1.0	2
175	Ubiquitous robotics: Recent challenges and future trends. Robotics and Autonomous Systems, 2013, 61, 1162-1172.	3.0	76
176	Cloud Computing: A Mobile Context-Awareness Perspective. Computer Communications and Networks, 2013, , 155-175.	0.8	5
177	Extending In-Home User and Context Models to Provide Ubiquitous Adaptive Support Outside the Home. Human-computer Interaction Series, 2013, , 25-59.	0.4	3
178	Opening the loops - Towards semantic, information-centric networking in the Internet of Things. , 2013, , .		0
179	An integrated method for Adaptive automotive Human Machine Interfaces. , 2013, , .		3
180	Extraction of latent patterns and contexts from social honest signals using hierarchical Dirichlet processes. , 2013, , .		12
181	An approach to social recommendation for context-aware mobile services. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-31.	2.9	71
182	Survey on social networking services. IET Networks, 2013, 2, 224-234.	1.1	16
183	Context-aware DSPLs. , 2013, , .		28
184	A graph-based context modeling approach. , 2013, , .		1
185	LOCCAM - loosely coupled context acquisition middleware. , 2013, , .		32
186	Taking smart space users into the development loop. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
187	ContextPlayer. , 2013, , .		5
188	CACOnt: A Ontology-Based Model for Context Modeling and Reasoning. Applied Mechanics and Materials, 0, 347-350, 2304-2310.	0.2	16
189	A Methodology and a Web Platform for the Collaborative Development of Context-Aware Systems. Sensors, 2013, 13, 6032-6053.	2.1	18
190	WoT Based Context-Aware Middleware Design for Integrating Real-World Object to SNS. Advanced Materials Research, 2013, 756-759, 1264-1269.	0.3	0
191	Contextualise! personalise! persuade!. , 2013, , .		6
192	SaLSA Streams: Dynamic Context Models for Autonomous Transport Vehicles Based on Multi-sensor Fusion. , 2013, , .		7
194	Data, Context, Situation: On the Usefulness of Semantic Layers for Designing Context-Aware Systems. Communications in Computer and Information Science, 2013, , 3-18.	0.4	0
195	Model Reference Adaptive Control in Fuzzy-Based Context-Aware Middleware. International Journal of Computational Intelligence Systems, 2013, 6, 778-795.	1.6	1
196	Context Modeling for Developing a Database System of Authentic Case in Training Cyber Police. , 2013, , .		0
197	Preprocessing methods for context extraction from multivariate wireless sensors data — An evaluation. , 2013, , .		2
198	Elevated level design intent and behavior driven feature definition for product modeling. , 2013, , .		4
199	Engineering adaptive privacy: On the role of privacy awareness requirements. , 2013, , .		23
200	Context modeling for dynamic configuration of automotive functions. , 2013, , .		3
201	Context-Aware Policy Enforcement for Android. , 2013, , .		9
202	Completion of qualitative spatio-temporal explanations using context. , 2013, , .		0
203	Towards a model-based approach for context-aware assistance systems in offshore operations. , 2013, , .		2
204	SP-ACT: A hybrid framework for complex activity recognition combining OWL and SPARQL rules. , 2013, , .		28
205	The missing layer — Virtualizing smart spaces. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
206	Ontology-based model in tourism context-aware systems. , 2013, , .		1
207	On the Move to Meaningful Internet Systems: OTM 2013 Workshops. Lecture Notes in Computer Science, 2013, , .	1.0	2
208	Collective awareness and action in urban superorganisms. , 2013, , .		5
209	Signal processing technologies for activity-aware smart textiles. , 2013, , 329-365.		2
210	Fuzzy D-S Theory Based Fuzzy Ontology Context Modeling and Similarity Based Reasoning. , 2013, , .		0
211	Self-Learning approach to support lifecycle optimization of Manufacturing processes. , 2013, , .		2
212	Towards context-aware mobile services through the use of Hierarchical Temporal Memory. , 2013, , .		1
213	Software Engineering for Resilient Systems. Lecture Notes in Computer Science, 2013, , .	1.0	0
214	Experiential Knowledge Mining. Foundations and Trends in Web Science, 2013, 4, 1-102.	0.5	2
215	A vision for a stochastic reasoner for autonomic cloud deployment. , 2013, , .		8
216	Spatial relevancy algorithm for context-aware systems (SRACS) in urban traffic networks using dynamic range neighbor query and directed interval algebra. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 605-619.	0.8	0
217	Soa2mSituation. , 2013, , .		1
218	An Ontology-Based Context Model for Wireless Sensor Network (WSN) Management in the Internet of Things. Journal of Sensor and Actuator Networks, 2013, 2, 653-674.	2.3	18
219	Context-aware modelling of continuous location-dependent queries in indoor environments. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 65-88.	0.8	9
220	FRIENDs: Brain-monitoring agents for adaptive socio-technical systems. Multiagent and Grid Systems, 2013, 8, 329-347.	0.5	3
221	Building knowledge-based systems to enable ambient social interactions. Journal of Ambient Intelligence and Smart Environments, 2014, 6, 121-135.	0.8	1
222	Towards a Role-centric and Context-aware Information Distribution System for Manufacturing. Procedia CIRP, 2014, 25, 377-384.	1.0	13
223	ASeCS: Assistive Self-Care Software Architectures for Delivering Service in Care Homes. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
224	STUDYING THE EFFECTS OF STRESS ON NEGOTIATION BEHAVIOR. Cybernetics and Systems, 2014, 45, 279-291.	1.6	19
225	Self-adaptive simulation time for sensitivity analysis of a stochastic computational model. , 2014, , .		0
226	Modeling design of the distributed reasoning based on Chord. , 2014, , .		1
227	Context-awareness based intelligent driver behavior detection: Integrating Wireless Sensor networks and Vehicle ad hoc networks. , 2014, , .		11
228	Domain Specific Modeling approach for context-aware service oriented systems. , 2014, , .		3
229	Context Representation and Fusion: Advancements and Opportunities. Sensors, 2014, 14, 9628-9668.	2.1	22
230	Situation-aware adaptation to optimise energy consumption in intelligent buildings using coloured Petri Nets. , 2014, , .		4
231	Context Graphs as an Efficient and User-Friendly Method of Describing and Recognizing a Situation in AAL. Sensors, 2014, 14, 11110-11134.	2.1	4
232	Social context discovery from temporal app use patterns. , 2014, , .		7
233	Modern Trends and Techniques in Computer Science. Advances in Intelligent Systems and Computing, 2014, , .	0.5	3
234	The Reason Why: A Survey of Explanations for Recommender Systems. Lecture Notes in Computer Science, 2014, , 67-84.	1.0	5
235	Centrality Measures, Upper Bound, and Influence Maximization in Large Scale Directed Social Networks. Fundamenta Informaticae, 2014, 130, 317-342.	0.3	33
236	Handling Real-World Context Awareness, Uncertainty and Vagueness in Real-Time Human Activity Tracking and Recognition with a Fuzzy Ontology-Based Hybrid Method. Sensors, 2014, 14, 18131-18171.	2.1	25
237	A middleware for context-aware integration of power system software. , 2014, , .		1
238	Mobile situation-aware framework for developing smart mobile software. Journal of Software: Evolution and Process, 2014, 26, 1213-1232.	1.2	1
239	Piecemeal Development of Intelligent Applications for Smart Spaces. IEEE Access, 2014, 2, 199-214.	2.6	7
240	Supporting the Development of Network-Aware Reactive Applications on Smartphones. , 2014, , .		1
241	Making Business Environments Smarter: A Context-Adaptive Petri Net Approach. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
242	Policy enforcement within emerging distributed, event-based systems. , 2014, , .		17
243	Contextion. , 2014, , .		5
244	A multi-tiered model for context-aware systems. , 2014, , .		0
245	A Contribution to the Sensor Network Management for Context Awareness in Ubicomp. , 2014, , .		2
246	Anatomy of a Semantic Context Interpreter with Real-time Events Notification Support. , 2014, , .		3
247	Sharing and Reusing Context Information in Ubiquitous Computing Environments. , 2014, , .		0
248	Exploiting usage statistics for energy-efficient logical status inference on mobile phones. , 2014, , .		6
249	MyActivity: Cloud-Hosted Continuous Activity Recognition Using Ontology-Based Stream Reasoning. , 2014, , .		7
250	An Architectural Model for Situation Awareness in Ubiquitous Computing. IEEE Latin America Transactions, 2014, 12, 1113-1119.	1.2	8
251	Ontology-Based Context-Aware SLA Management for Cloud Computing. Lecture Notes in Computer Science, 2014, , 193-208.	1.0	9
252	Context in Computing. , 2014, , .		15
253	Rating Credibility of Sources for Profiling Risk and Business Context of Service Requests. , 2014, , .		2
254	The Sightfield: Visualizing Computer Vision, and Seeing Its Capacity to "See". , 2014, , .		5
255	Learning routines over long-term sensor data using topic models. Expert Systems, 2014, 31, 365-377.	2.9	13
256	Context-aware adaptive recommendation of resources for mobile users in a university campus. , 2014, , .		10
257	Engineering methods and tools for collaborative development of industrial cyber-physical based products and services. , 2014, , .		7
258	Ubiquitous Computing and Ambient Intelligence. Personalisation and User Adapted Services. Lecture Notes in Computer Science, 2014, , .	1.0	1
259	A Distributed Architecture for Supporting Context-Aware Applications in UbiComp. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
260	Ontology-Based Modeling of Context-Aware Systems. Lecture Notes in Computer Science, 2014, , 484-500.	1.0	5
261	Situation-Aware Smart Environment Modeling. Lecture Notes in Computer Science, 2014, , 139-149.	1.0	2
262	Context Aware and Adaptive Systems. , 2014, , 63-82.		4
263	Heart Health Risk Assessment System: A Nonintrusive Proposal Using Ontologies and Expert Rules. BioMed Research International, 2014, 2014, 1-12.	0.9	14
264	On middleware for emerging health services. Journal of Internet Services and Applications, 2014, 5, 6.	1.6	11
265	An Introduction to the 3rd Workshop on Egocentric (First-Person) Vision. , 2014, , .		10
266	CoCaMAAL: A cloud-oriented context-aware middleware in ambient assisted living. Future Generation Computer Systems, 2014, 35, 114-127.	4.9	141
267	Agent-based architecture for context-aware and personalized event recommendation. Expert Systems With Applications, 2014, 41, 563-573.	4.4	38
268	Context-aware hybrid reasoning framework for pervasive healthcare. Personal and Ubiquitous Computing, 2014, 18, 865-881.	1.9	76
269	Exploiting semantic technologies in smart environments and grids: Emerging roles and case studies. Science of Computer Programming, 2014, 95, 112-134.	1.5	12
270	Continuously Changing Information on a Global Scale and its Impact for the Internet-of-Things. Mobile Networks and Applications, 2014, 19, 33-44.	2.2	4
271	A survey on addressing privacy together with quality of context for context management in the Internet of Things. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 47-62.	1.6	33
272	User-centric social context information management: an ontology-based approach and platform. Personal and Ubiquitous Computing, 2014, 18, 1061-1083.	1.9	29
273	A conceptual model of security context. International Journal of Information Security, 2014, 13, 571-581.	2.3	10
274	Ontological user modelling and semantic rule-based reasoning for personalisation of Help-On-Demand services in pervasive environments. Future Generation Computer Systems, 2014, 34, 97-109.	4.9	59
275	CAMEO: A novel context-aware middleware for opportunistic mobile social networks. Pervasive and Mobile Computing, 2014, 11, 148-167.	2.1	45
276	Context reasoning for mobile systems. , 2014, , .		1
277	A survey of proactive pervasive computing. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
278	Classifying and Aggregating Context Attributes for Business Service Requests - No 'One-Size-Fits-All'. , 2014, , .		3
279	Modeling interactions in human-centric wireless sensor networks. , 2014, , .		9
280	Crowdsourced context-modeling as key to future smart spaces. , 2014, , .		8
281	A user-centric vision of service-oriented Pervasive Information Systems. , 2014, , .		3
282	A formal representation for context-aware business processes. Computers in Industry, 2014, 65, 1193-1214.	5.7	44
283	MVCC: An Architectural Pattern for Developing Context-aware Frameworks. Procedia Computer Science, 2014, 34, 344-351.	1.2	7
284	A middleware platform for the dynamic evolution of distributed component-based systems. Computing (Vienna/New York), 2014, 96, 725-747.	3.2	2
285	Context-based approach of separating contactless captured high-resolution overlapped latent fingerprints. IET Biometrics, 2014, 3, 101-112.	1.6	9
286	Ontology-based approach for context modeling in enterprise applications. Computers in Industry, 2014, 65, 1218-1231.	5.7	33
287	SimCon: A context simulator for supporting evaluation of smart building applications when faced with uncertainty. Pervasive and Mobile Computing, 2014, 12, 139-159.	2.1	7
288	Preserving quality of information by using semantic relationships. Pervasive and Mobile Computing, 2014, 11, 188-202.	2.1	30
289	Adaptive content recommendation for mobile users: Ordering recommendations using a hierarchical context model with granularity. Pervasive and Mobile Computing, 2014, 13, 85-98.	2.1	19
290	Inference management, trust and obfuscation principles for quality of information in emerging pervasive environments. Pervasive and Mobile Computing, 2014, 11, 168-187.	2.1	11
291	Context-Aware Systems and Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , .	0.2	1
292	What stakeholders will or will not say: A theoretical and empirical study of topic importance in Requirements Engineering elicitation interviews. Information Systems, 2014, 46, 61-81.	2.4	22
293	On the practicalities of place-based virtual communities: Ontology-based querying, application architecture, and performance. Expert Systems With Applications, 2014, 41, 2859-2873.	4.4	4
294	Context Aware Computing for The Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 414-454.	24.8	1,974
295	Discovering Latent Structures for Activity Recognition in Smart Environments. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
296	A Decentralized System for Privacy-Preserving Context Exchange: Facilitating a Better Work-Life Balance. , 2014, , .		0
297	A Context-based Requirements Analysis Method for PSS Design. Procedia CIRP, 2015, 30, 42-47.	1.0	13
298	Resolving conflicts in knowledge for ambient intelligence. Knowledge Engineering Review, 2015, 30, 455-513.	2.1	7
299	Context Sensing and Feature Discovery for Improving Classifications. , 2015, , .		0
300	Modeling user intentions for in-car infotainment systems using Bayesian networks. , 2015, , .		2
301	Context recognition for adaptive hearing-aids. , 2015, , .		3
302	Internet of things based context awareness architectural framework for HMIS. , 2015, , .		5
303	Creating a Domain Specific Modelling Method for Ambient Assistance. , 2015, , .		12
304	Contextual Sensing: Integrating Contextual Information with Human and Technical Geo-Sensor Information for Smart Cities. Sensors, 2015, 15, 17013-17035.	2.1	72
305	Energy-Efficient Integration of Continuous Context Sensing and Prediction into Smartwatches. Sensors, 2015, 15, 22616-22645.	2.1	52
306	An overview of context types within multimedia and social computing. , 2015, , .		0
307	A Context-Aware Self-Adaptive Fractal Based Generalized Pedagogical Agent Framework for Mobile Learning. International Journal of Distance Education Technologies, 2015, 13, 1-28.	1.9	0
308	Research in Mobile Computing. International Journal of Virtual Communities and Social Networking, 2015, 7, 36-51.	0.2	0
309	An adaptive multi-agent system for cost collaborative management in supply chains. Engineering Applications of Artificial Intelligence, 2015, 44, 91-100.	4.3	27
310	The Semantic Web: ESWC 2012 Satellite Events. Lecture Notes in Computer Science, 2015, , .	1.0	0
311	Automatic derivation of context descriptions. , 2015, , .		1
312	Towards context-aware medical cyber-physical systems: design methodology and a case study. Cyber-Physical Systems, 2015, 1, 5-23.	1.6	16
313	Context-Aware Clinical Knowledge Sharing in Cross-Boundary E-Health: A Conceptual Model. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
314	A Modeling Framework for Sensor Data in Indoor Location-Based Services. , 2015, , .		0
315	Evaluating the reusability of mobile patient monitoring systems framework. , 2015, , .		0
316	How to support the design and development of interactive pervasive environments. , 2015, , .		2
317	OntCAAC: An Ontology-Based Approach to Context-Aware Access Control for Software Services. Computer Journal, 2015, 58, 3000-3034.	1.5	29
318	A semi lazy bandit approach for intelligent service discovery in IoT applications. , 2015, , .		3
319	L'evolved. , 2015, , .		2
320	Context-aware system for information services provision in the Internet of Things. , 2015, , .		5
321	A Multi-Temporal Context-aware System for Competences Management. International Journal of Artificial Intelligence in Education, 2015, 25, 455-492.	3.9	53
322	Poster: Reasoning Based on Imperfect Context Data in Adaptive Security. , 2015, , .		3
323	Semantic modelling and automated reasoning of non-functional requirement conflicts in the context of softgoal interdependencies. IET Software, 2015, 9, 145-156.	1.5	18
325	Smart memo service design for augmented smart space. , 2015, , .		1
326	Context-aware, knowledge-intensive, and patient-centric Mobile Health Care Model. , 2015, , .		1
327	A principled approach to context schema evolution in a data management perspective. Information Systems, 2015, 49, 65-101.	2.4	9
328	Continuous discovery of co-location contexts from Bluetooth data. Pervasive and Mobile Computing, 2015, 16, 286-304.	2.1	3
329	Engineering self-organizing urban superorganisms. Engineering Applications of Artificial Intelligence, 2015, 41, 325-332.	4.3	17
330	Enabling high-level application development for the Internet of Things. Journal of Systems and Software, 2015, 103, 62-84.	3.3	196
331	Context-awareness and the smart grid: Requirements and challenges. Computer Networks, 2015, 79, 263-282.	3.2	30
332	Context-based Information Fusion: A survey and discussion. Information Fusion, 2015, 25, 16-31.	11.7	121

#	ARTICLE	IF	CITATIONS
333	Social context-aware middleware: A survey. <i>Pervasive and Mobile Computing</i> , 2015, 17, 207-219.	2.1	26
334	Semantic web technologies in pervasive computing: A survey and research roadmap. <i>Pervasive and Mobile Computing</i> , 2015, 23, 1-25.	2.1	53
335	The Adapter module: A building block for Self-Learning Production Systems. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015, 36, 25-35.	6.1	14
336	A multi-agent fuzzy consensus model in a Situation Awareness framework. <i>Applied Soft Computing Journal</i> , 2015, 30, 430-440.	4.1	41
337	An ontological framework for situation-aware access control of software services. <i>Information Systems</i> , 2015, 53, 253-277.	2.4	31
338	Managing Safety and Adaptability in Mobile Multi-Robot Systems. , 2015, , .		1
339	Authoring Tools to Specialize and Adapt Smart LOs. , 2015, , 237-263.		0
341	A unified model for context-based behavioural modelling and classification. <i>Expert Systems With Applications</i> , 2015, 42, 6738-6757.	4.4	13
342	Towards a Generic Context Model for BPM. , 2015, , .		20
343	CONCERT: Applying semantic web technologies to context modeling in ambient intelligence. <i>Computers and Electrical Engineering</i> , 2015, 44, 280-306.	3.0	17
344	A formal approach for modeling context-aware Human-Computer System. <i>Computers and Electrical Engineering</i> , 2015, 44, 241-261.	3.0	11
345	A new information model towards context-aware service provisioning in the Internet-of-Things. , 2015, , .		1
346	Health and emergency-care platform for the elderly and disabled people in the Smart City. <i>Journal of Systems and Software</i> , 2015, 110, 253-263.	3.3	198
347	Native and Multiple Targeted Mobile Applications. <i>Lecture Notes in Computer Science</i> , 2015, , 544-558.	1.0	3
348	Context-based search engine for industrial IoT: Discovery, search, selection, and usage of devices. , 2015, , .		29
349	Data Management in Pervasive Systems. <i>Data-centric Systems and Applications</i> , 2015, , .	0.2	14
350	Pervasive privacy: A practical context-aware system to preserve privacy on android smartphones. , 2015, , .		0
351	A context simulator as testing support for mobile apps. , 2015, , .		11

#	ARTICLE	IF	CITATIONS
352	Context-Aware Pervasive Interfaces. IEEE Internet Computing, 2015, 19, 68-72.	3.2	0
353	Cooperative Context Data Acquisition and Dissemination for Situation Identification in Vehicular Communication Networks. Wireless Personal Communications, 2015, 85, 49-62.	1.8	28
354	Data-centric service-oriented management of things. , 2015, , .		8
355	Context-adaptive Petri nets: Supporting adaptation for the execution context. Expert Systems With Applications, 2015, 42, 9307-9317.	4.4	29
356	Context Modeling, Representation, and Reasoning: An Ontological and Hybrid Approach. Atlantis Ambient and Pervasive Intelligence, 2015, , 197-257.	0.2	0
357	Platys. ACM Transactions on Software Engineering and Methodology, 2015, 24, 1-32.	4.8	18
358	Context Recognition in Aml Environments: Sensor and MMES Technology, Recognition Approaches, and Pattern Recognition Methods. Atlantis Ambient and Pervasive Intelligence, 2015, , 129-195.	0.2	0
359	Privacy Aware Access Control for Big Data: A Research Roadmap. Big Data Research, 2015, 2, 145-154.	2.6	45
360	Ontology Network Definition for Motivational Interviewing Learning Driven by Semantic Context-Awareness. , 2015, , .		5
361	Personalization mobile P2P network using FCA based multidimensional aggregation. , 2015, , .		1
362	<sc>Cina</sc>: Suppressing the Detection of Unstable Context Inconsistency. IEEE Transactions on Software Engineering, 2015, 41, 842-865.	4.3	10
363	Maritime piracy situation modelling with dynamic Bayesian networks. Information Fusion, 2015, 23, 116-130.	11.7	35
364	Is my configuration any good: checking usability in an interactive sensor-based activity monitor. Innovations in Systems and Software Engineering, 2015, 11, 131-142.	1.6	2
365	VANET IR-CAS for Commercial SA: Information Retrieval Context Aware System for VANET Commercial Service Announcement. International Journal of Intelligent Transportation Systems Research, 2015, 13, 37-49.	0.6	4
366	Patterns for context-based knowledge fusion in decision support systems. Information Fusion, 2015, 21, 114-129.	11.7	46
367	A survey on engineering approaches for self-adaptive systems. Pervasive and Mobile Computing, 2015, 17, 184-206.	2.1	321
368	Semantic management of moving objects: A vision towards smart mobility. Expert Systems With Applications, 2015, 42, 1418-1435.	4.4	46
369	Fuzzy Transfer Learning: Methodology and application. Information Sciences, 2015, 293, 59-79.	4.0	57

#	ARTICLE	IF	CITATIONS
370	Context-Aware QoE Modelling, Measurement, and Prediction in Mobile Computing Systems. IEEE Transactions on Mobile Computing, 2015, 14, 920-936.	3.9	103
371	Recent Advances on Context-Awareness and Data/Information Fusion in ITS. International Journal of Intelligent Transportation Systems Research, 2016, 14, 1-19.	0.6	27
372	A model of medical practice for contextual knowledge sharing in collaborative healthcare. International Journal of Medical Engineering and Informatics, 2016, 8, 360.	0.2	0
373	A Review on Smart Home based on Ambient Intelligence, Contextual Awareness and Internet of Things (IoT) in Constructing Thermally Comfortable and Energy Aware House. Research Journal of Applied Sciences, Engineering and Technology, 2016, 12, 764-781.	0.1	3
374	User Adaptive and Context-Aware Smart Home Using Pervasive and Semantic Technologies. Journal of Electrical and Computer Engineering, 2016, 2016, 1-20.	0.6	14
375	Ontology-Based High-Level Context Inference for Human Behavior Identification. Sensors, 2016, 16, 1617.	2.1	22
376	MASON. , 2016, , .		2
377	PLOMaR: An ontology framework for context modeling and reasoning on crowd-sensing platform. , 2016, , .		1
378	Ontology traceability for the adaptation of services in pervasive environment. , 2016, , .		2
379	Survey of context information fusion for ubiquitous Internet-of-Things (IoT) systems. Open Computer Science, 2016, 6, 64-78.	1.3	9
380	Adaptive Reasoning for Context-Sensitive Access Controls. , 2016, , .		2
381	Big ideas paper. , 2016, , .		17
382	Context modeling with situation rules for industrial maintenance. , 2016, , .		12
383	A probabilistic model for context-aware proactive decision making. , 2016, , .		4
384	Activity recommendation in intelligent campus environments based on the Eduroam federation. Journal of Ambient Intelligence and Smart Environments, 2016, 8, 35-46.	0.8	4
385	Modeling Context for Business Rule Management. , 2016, , .		4
386	Requirements Analysis for Context-oriented Systems. Procedia Computer Science, 2016, 83, 253-261.	1.2	6
387	Context Modeling and Metamodeling: A State of the Art. Lecture Notes in Electrical Engineering, 2016, , 287-295.	0.3	4

#	ARTICLE	IF	CITATIONS
388	A contextualized and personalized model to predict user interest using location-based social networks. Computers, Environment and Urban Systems, 2016, 58, 97-106.	3.3	10
389	A model-based approach to context management in pervasive platforms. , 2016, , .		5
390	Pervasive Social Computing. , 2016, , .		0
392	Enhancing ontological reasoning with uncertainty handling for activity recognition. Knowledge-Based Systems, 2016, 114, 47-60.	4.0	34
393	Using context for online customer re-identification. Expert Systems With Applications, 2016, 64, 500-511.	4.4	5
394	Digital Public Service Innovation. , 2016, , .		15
395	Towards Virtual Private NoSQL datastores. , 2016, , .		15
396	A Bandit Approach for Intelligent IoT Service Composition across Heterogeneous Smart Spaces. , 2016, , .		10
397	HCM-L: Domain-Specific Modeling for Active and Assisted Living. , 2016, , 527-552.		13
398	A kind of dynamic software behavior trust model based on improved subjective logic. Intelligent Automation and Soft Computing, 2016, 22, 621-629.	1.6	2
399	Approach based on fuzzy ontology for situation identification in situation-aware ubiquitous learning environment. , 2016, , .		6
400	Quality-optimized predictive analytics. Applied Intelligence, 2016, 45, 1034-1046.	3.3	8
401	The impact of gender on the Quality of Experience for video services. , 2016, , .		1
402	Service-Oriented Autonomic Pervasive Context. Lecture Notes in Computer Science, 2016, , 795-809.	1.0	8
403	Context Ontologies in Ubiquitous Learning Environments. Lecture Notes in Computer Science, 2016, , 391-403.	1.0	2
404	Adopting MDE for Specifying and Executing Civilian Missions of Mobile Multi-Robot Systems. IEEE Access, 2016, 4, 6451-6466.	2.6	30
405	Discovering Co-Located Walking Groups of People Using iBeacon Technology. IEEE Access, 2016, 4, 6591-6601.	2.6	15
406	Designing a Collaborative Middleware for Semantic and User-Aware Service Composition. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
407	Spatial awareness in pervasive ecosystems. Knowledge Engineering Review, 2016, 31, 343-366.	2.1	3
409	Universal and contextualized public services: Digital public service innovation framework. Government Information Quarterly, 2016, 33, 211-222.	4.0	130
410	Differences in smartphone usage: Validating, evaluating, and predicting mobile user intimacy. Pervasive and Mobile Computing, 2016, 33, 50-72.	2.1	7
411	Intelligent knowledge recommending approach for new product development based on workflow context matching. Concurrent Engineering Research and Applications, 2016, 24, 318-329.	2.0	20
412	Patient Monitoring System Based on Internet of Things. Procedia Computer Science, 2016, 83, 90-97.	1.2	179
413	Development and Scalability Evaluation of an Ontology-based Context Representation Service. IEEE Latin America Transactions, 2016, 14, 1372-1379.	1.2	4
414	Reasoning on expressive description logics with arithmetic constraints. , 2016, , .		3
415	Context-Awareness for Mobile Sensing: A Survey and Future Directions. IEEE Communications Surveys and Tutorials, 2016, 18, 68-93.	24.8	150
416	MetaQ: A knowledge-driven framework for context-aware activity recognition combining SPARQL and OWL 2 activity patterns. Pervasive and Mobile Computing, 2016, 25, 104-124.	2.1	39
417	Crisis Management and Context. , 2016, , 107-119.		1
418	A formal framework for context-aware systems specification and verification. Journal of Systems and Software, 2016, 122, 445-462.	3.3	15
419	A taxonomy of context-aware software variability approaches. , 2016, , .		20
420	Context Awareness for Flexible Manufacturing Systems Using Cyber Physical Approaches. IFIP Advances in Information and Communication Technology, 2016, , 107-115.	0.5	15
421	Using cognitive models for behavioral assistance of humans. IT - Information Technology, 2016, 58, 44-48.	0.6	3
422	A Contextualized System for Supporting Active Learning. IEEE Transactions on Learning Technologies, 2016, 9, 196-202.	2.2	21
423	Engineering context-aware systems and applications: A survey. Journal of Systems and Software, 2016, 117, 55-83.	3.3	164
424	A smart system to manage the context evolution in the Cultural Heritage domain. Computers and Electrical Engineering, 2016, 55, 27-38.	3.0	38
425	A concept for context-aware computing in manufacturing: the white goods case. International Journal of Computer Integrated Manufacturing, 2016, 29, 839-849.	2.9	97

#	ARTICLE	IF	CITATIONS
426	Context-awareness in the software domain – A semantic web enabled modeling approach. Journal of Systems and Software, 2016, 121, 345-357.	3.3	7
427	Context Awareness in Predictive Maintenance. Lecture Notes in Mechanical Engineering, 2016, , 197-211.	0.3	6
428	Considering context in the design of intelligent systems: Current practices and suggestions for improvement. Journal of Systems and Software, 2016, 112, 26-47.	3.3	36
429	VANET IR-CAS for Safety ACN: Information Retrieval Context Aware System for VANET Automatic Crash Notification Safety Application. International Journal of Intelligent Transportation Systems Research, 2016, 14, 127-138.	0.6	8
430	Computational intelligence framework for context-aware decision making. International Journal of Systems Assurance Engineering and Management, 2017, 8, 2146-2157.	1.5	14
431	Requirements cybernetics: Elicitation based on user behavioral data. Journal of Systems and Software, 2017, 124, 187-194.	3.3	23
432	Towards Pervasive Augmented Reality: Context-Awareness in Augmented Reality. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 1706-1724.	2.9	197
433	On the formal definition of the systems – interoperability capability: an anthropomorphic approach. Enterprise Information Systems, 2017, 11, 389-413.	3.3	6
434	Ontology-based end-user visual query formulation: Why, what, who, how, and which?. Universal Access in the Information Society, 2017, 16, 435-467.	2.1	36
435	DemaWare2: Integrating sensors, multimedia and semantic analysis for the ambient care of dementia. Pervasive and Mobile Computing, 2017, 34, 126-145.	2.1	36
437	The Role of Smart Homes in Intelligent Homecare and Healthcare Environments. , 2017, , 345-394.		11
438	The Internet of Things Supporting Context-Aware Computing: A Cultural Heritage Case Study. Mobile Networks and Applications, 2017, 22, 332-343.	2.2	35
439	Toward Context-Aware SLA for Cloud Computing. Advances in Intelligent Systems and Computing, 2017, , 350-359.	0.5	1
440	Ontology-based context modeling in service-oriented computing: A systematic mapping. Data and Knowledge Engineering, 2017, 110, 24-53.	2.1	22
441	Car Pooling Based on Trajectories of Drivers and Requirements of Passengers. , 2017, , .		8
442	Detecting physical collaborations in a group task using body-worn microphones and accelerometers. , 2017, , .		1
443	High Performance Computing for Cyber Physical Social Systems by Using Evolutionary Multi-Objective Optimization Algorithm. IEEE Transactions on Emerging Topics in Computing, 2017, , 1-1.	3.2	123
444	Deep learning Parkinson's from smartphone data. , 2017, , .		25

#	ARTICLE	IF	CITATIONS
445	Realistic context generation for mobile app testing and performance evaluation. , 2017, , .		2
447	A self-aware approach to context management in pervasive platforms. , 2017, , .		0
448	iKnow: Ontology-driven situational awareness for the recognition of activities of daily living. Pervasive and Mobile Computing, 2017, 40, 17-41.	2.1	48
449	Planning meets activity recognition: Service coordination for intelligent buildings. Pervasive and Mobile Computing, 2017, 38, 110-139.	2.1	25
450	Intelligence Enhancing of Dual Use Bicycle Routes Designing and Planning System Simulator. Procedia Computer Science, 2017, 104, 525-529.	1.2	2
451	EXEHDA-HM: A compositional approach to explore contextual information on hybrid models. Future Generation Computer Systems, 2017, 73, 1-12.	4.9	12
452	Inertial Sensor Based Modelling of Human Activity Classes: Feature Extraction and Multi-sensor Data Fusion Using Machine Learning Algorithms. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 306-314.	0.2	14
453	Automated Planning for Ubiquitous Computing. ACM Computing Surveys, 2017, 49, 1-46.	16.1	22
454	Towards a dynamic discovery of smart services in the social internet of things. Computers and Electrical Engineering, 2017, 58, 429-443.	3.0	46
455	Information Model and Architecture Specification for Context Awareness Interaction Decision Support in Cyber-Physical Human-Machine Systems. IEEE Transactions on Human-Machine Systems, 2017, 47, 323-331.	2.5	26
456	Using Mobile Cloud Computing for Developing Context-Aware Multimedia Applications. , 2017, , .		0
457	Context-aware recommender systems in mobile environment: On the road of future research. Information Systems, 2017, 72, 27-61.	2.4	55
458	Service-Oriented Computing – ICSOC 2016 Workshops. Lecture Notes in Computer Science, 2017, , .	1.0	1
459	An Ontology-based Representation Service of Context Information for the Internet of Things. , 2017, , .		3
460	Database Ontology-Supported Query for Ubiquitous Environments. , 2017, , .		1
461	Ontology-Based SLA Negotiation and Re-Negotiation for Cloud Computing. , 2017, , .		5
462	Heavyweight extension to the UML class diagram metamodel for modeling context aware systems in ubiquitous computing. International Journal of Pervasive Computing and Communications, 2017, 13, 238-251.	1.1	4
463	Self-Aware Context in Smart Home Pervasive Platforms. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
464	Domain ontologies and their use in building intelligent systems: A comprehensive survey. , 2017, , .		3
465	Context-based behaviour modelling and classification of marine vessels in an abalone poaching situation. Engineering Applications of Artificial Intelligence, 2017, 64, 95-111.	4.3	8
466	The Internet of People (IoP): A new wave in pervasive mobile computing. Pervasive and Mobile Computing, 2017, 41, 1-27.	2.1	115
467	A rule-based context transforming model for robot services in internet of things environment. , 2017, , .		1
468	Ambient Assisted Living Systems: A Model for Reasoning Under Uncertainty. Lecture Notes in Business Information Processing, 2017, , 338-363.	0.8	0
469	The Context Modelling Toolkit. Proceedings of the ACM on Human-Computer Interaction, 2017, 1, 1-16.	2.5	10
470	An Attention-Based Framework for Context Identification in Autonomous Robots. , 2017, , .		0
471	A Generic Framework for Quality-Based Autonomic Adaptation Within Sensor-Based Systems. Lecture Notes in Computer Science, 2017, , 21-32.	1.0	0
472	Signaling game based strategy for secure positioning in wireless sensor networks. Pervasive and Mobile Computing, 2017, 40, 611-627.	2.1	10
473	Depth-first search satisfiability of the $\hat{1}/4$ -calculus with converse over trees. , 2017, , .		0
474	A Context-Driven Framework for Proactive Decision Support With Applications. IEEE Access, 2017, 5, 12475-12495.	2.6	12
475	Towards a conceptual framework of OSH risk management in smart working environments based on smart PPE, ambient intelligence and the Internet of Things technologies. International Journal of Occupational Safety and Ergonomics, 2017, 23, 1-20.	1.1	89
476	An aspect-oriented model-driven approach for building adaptable context-aware service-based applications. Science of Computer Programming, 2017, 136, 17-42.	1.5	11
477	Improving the Elicitation of Delightful Context-Aware Features: A Data-Based Approach. , 2017, , .		2
478	Situation awareness in the Internet of Things. , 2017, , .		7
479	Resource-Oriented Framework for Representing Pervasive Context. , 2017, , .		0
480	What do we really talk about when we talk about context in pervasive computing. , 2017, , .		5
481	A model based on fuzzy control systems to support the development of pervasive mobile games. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
482	A framework for supporting the context-aware mobile application development process. , 2017, , .		2
483	Active Domain-Specific Languages: Making Every Mobile User a Modeller. , 2017, , .		12
484	Survey on Quality of Observation within Sensor Web systems. IET Wireless Sensor Systems, 2017, 7, 163-177.	1.3	4
485	Developing a context-aware mobile patient monitoring framework with an ontology-based approach. , 2017, , .		1
486	Formal model for user-centred adaptive mobile devices. IET Software, 2017, 11, 156-164.	1.5	6
487	Elicitation of Delightful Context-Aware Features: Challenges and Outlook Extended Abstract. , 2017, , .		0
488	Optimal path-finding in a context-aware workflow support system for process and automation engineering of plants. , 2017, , .		0
489	The role of autonomous aggregators in IoT multi-core systems. , 2017, , .		1
490	A Multi-stage Approach to Personalized Course Selection and Scheduling. , 2017, , .		4
491	An automatic mapping CVC/XML to context ontology traceability in pervasive environment. , 2017, , .		1
492	A Survey on the Evolution of the Notion of Context-Awareness. Applied Artificial Intelligence, 2017, 31, 613-642.	2.0	22
493	The core enabling technologies of big data analytics and context-aware computing for smart sustainable cities: a review and synthesis. Journal of Big Data, 2017, 4, .	6.9	70
494	Improving QoE via Context Prediction. , 2017, , .		3
495	Hybrid image fusion of multimodality medical images for clinical diagnosis. International Journal of Telemedicine and Clinical Practices, 2017, 2, 225.	0.2	0
496	Towards an observer/controller and ontology/rule-based approach for pervasive healthcare systems. International Journal of Ad Hoc and Ubiquitous Computing, 2017, 26, 137.	0.3	3
497	Enhancing NoSQL datastores with fine-grained context-aware access control: a preliminary study on MongoDB. International Journal of Cloud Computing, 2017, 6, 292.	0.3	8
498	Self-adaptive unobtrusive interactions of mobile computing systems. Journal of Ambient Intelligence and Smart Environments, 2017, 9, 659-688.	0.8	2
499	Enriching Mental Health Mobile Assessment and Intervention with Situation Awareness. Sensors, 2017, 17, 127.	2.1	19

#	ARTICLE	IF	CITATIONS
500	Holistic Context-Sensitivity for Run-Time Optimization of Flexible Manufacturing Systems. <i>Sensors</i> , 2017, 17, 455.	2.1	22
501	A state-based approach to context modeling and computing. , 2017, , .		2
502	Towards a Hybrid Approach to Context Reasoning for Underwater Robots. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 183.	1.3	14
503	A consolidated view of context for intelligent systems. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2017, 9, 377-393.	0.8	25
504	HCES. , 2017, , .		2
505	A unifying architecture model for developing context-aware systems. , 2017, , .		1
506	Context Relevant Prediction Model for COPD Domain Using Bayesian Belief Network. <i>Sensors</i> , 2017, 17, 1486.	2.1	16
507	MWQoE: A user-centered context-aware model for evaluating the Mobile Web Quality of Experience. , 2017, , .		0
508	CAOS: A Context Acquisition and Offloading System. , 2017, , .		6
509	Introduction: The Rise of Sustainability, ICT, and Urbanization and the Materialization of Smart Sustainable Cities. <i>Urban Book Series</i> , 2018, , 1-38.	0.3	4
510	Big Data Analytics and Context-Aware Computing: Core Enabling Technologies, Techniques, Processes, and Systems. <i>Urban Book Series</i> , 2018, , 133-188.	0.3	3
511	Big Data Analytics and Context-Aware Computing: Characteristics, Commonalities, Differences, Applications, and Challenges. <i>Urban Book Series</i> , 2018, , 481-533.	0.3	0
512	TrailCare: An indoor and outdoor Context-aware system to assist wheelchair users. <i>International Journal of Human Computer Studies</i> , 2018, 116, 1-14.	3.7	41
513	An integrated semantic framework for designing context-aware Internet of Robotic Things systems. <i>Integrated Computer-Aided Engineering</i> , 2018, 25, 137-156.	2.5	17
514	Requirements Engineering for Internet of Things. <i>Communications in Computer and Information Science</i> , 2018, , .	0.4	1
515	<sc>Paco</sc>: A System-Level Abstraction for On-Loading Contextual Data to Mobile Devices. <i>IEEE Transactions on Mobile Computing</i> , 2018, 17, 2127-2140.	3.9	5
516	The cloudUPDRS app: A medical device for the clinical assessment of Parkinsonâ€™s Disease. <i>Pervasive and Mobile Computing</i> , 2018, 43, 146-166.	2.1	33
517	Challenges in Context-Aware Requirements Modeling: A Systematic Literature Review. <i>Communications in Computer and Information Science</i> , 2018, , 140-155.	0.4	1

#	ARTICLE	IF	CITATIONS
518	Domain content querying using ontology-based context-awareness in information systems. Data and Knowledge Engineering, 2018, 115, 152-173.	2.1	5
519	Modeling context-aware and intention-aware in-car infotainment systems. Software and Systems Modeling, 2018, 17, 973-987.	2.2	3
520	Context-Aware Communication and Computing: Applications for Smart Environment. Springer Series in Wireless Technology, 2018, , .	1.1	19
521	Elements of Context Awareness. Springer Series in Wireless Technology, 2018, , 33-64.	1.1	0
522	The Affective Computing Approach to Affect Measurement. Emotion Review, 2018, 10, 174-183.	2.1	72
523	Modeling the Dynamic Context of Ambient Systems. Lecture Notes in Networks and Systems, 2018, , 1043-1055.	0.5	0
524	An approach to combining related notifications in large-scale building management systems with a rehabilitation facility case study. Automation in Construction, 2018, 87, 106-116.	4.8	4
525	Context-Aware Computing, Learning, and Big Data in Internet of Things: A Survey. IEEE Internet of Things Journal, 2018, 5, 1-27.	5.5	299
526	Context-aware movement analytics: implications, taxonomy, and design framework. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1233.	4.6	15
527	AQUARIUM - A suite of software measures for HCI quality evaluation of ubiquitous mobile applications. Journal of Systems and Software, 2018, 136, 101-136.	3.3	25
528	A systematic mapping on adaptive recommender approaches for ubiquitous environments. Computing (Vienna/New York), 2018, 100, 183-209.	3.2	7
529	Conceptual metadata model for sensor data abstraction in IoT environments. IOP Conference Series: Materials Science and Engineering, 2018, 383, 012013.	0.3	1
531	A Logic Based Context Modeling and Context-aware Services Adaptation for Mobile Phones. , 2018, , .		0
532	Towards a Better Understanding of Ubiquitous Cloud Computing. International Journal of Cloud Applications and Computing, 2018, 8, 1-20.	1.1	20
533	Hybrid Approach for Human Activity Recognition by Ubiquitous Robots. , 2018, , .		14
534	A Context Model for Individual Process Management. , 2018, , .		0
535	A Fuzzy based Diagnostic Agent for Context Aware Patient Monitoring. Procedia Computer Science, 2018, 141, 421-427.	1.2	1
536	Development of a Context-aware framework for the Integration of Internet of Things and Cloud Computing for Remote Monitoring Services. Procedia Manufacturing, 2018, 16, 31-38.	1.9	13

#	ARTICLE	IF	CITATIONS
537	A Temporal Model for Interactive Diagnosis of Adaptive Systems. , 2018, , .		7
538	Towards Context-Aware Process Guidance in Cyber-Physical Systems with Augmented Reality. , 2018, , .		15
539	CEEPS4IoT. , 2018, , .		0
540	Situation Modelling, Representation, and Querying in Context-as-a-Service IoT Platform. , 2018, , .		13
541	Personal Context Recognition Via Reliable Human-Machine Collaboration. , 2018, , .		4
542	Towards Exploring Context to Insure Fault Tolerance in Home Automation Medical System. , 2018, , .		2
543	Assessing Annotation Consistency in the Wild. , 2018, , .		1
544	Combining Crowdsourcing and Crowdsensing to Infer the Spatial Context. , 2018, , .		1
545	Lightweight Modeling of User Context Combining Physical and Virtual Sensor Data. , 2018, , .		2
546	Enabling Intelligent Business Processes with Context Awareness. , 2018, , .		8
547	CA-FCM: Towards a formal representation of expertâ€™s causal judgements over construction project changes. Advanced Engineering Informatics, 2018, 38, 620-638.	4.0	6
548	IoT-based human action prediction and support. Internet of Things (Netherlands), 2018, 3-4, 52-68.	4.9	24
549	An Energy Aware Testing Framework for Smart-Spaces. Lecture Notes in Computer Science, 2018, , 85-101.	1.0	1
550	Logic programming as a service. Theory and Practice of Logic Programming, 2018, 18, 846-873.	1.1	10
551	Context-Adaptive Privacy Mechanisms. , 2018, , 337-372.		7
552	A survey on verification strategies for intelligent transportation systems. Journal of Reliable Intelligent Environments, 2018, 4, 211-224.	3.8	15
553	A Lightweight Mobile Service for Context Representation through an IoT-oriented Ontology. , 2018, , .		3
554	Handbook of Mobile Data Privacy. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
555	Smart STEM-Driven Computer Science Education. , 2018, , .		19
556	A Vision for Introducing STEM into CS Education at School. , 2018, , 31-55.		0
557	Towards an Extensible Context Model for Mobile User in Smart Cities. IFIP Advances in Information and Communication Technology, 2018, , 498-508.	0.5	6
558	UPCaD: A Methodology of Integration Between Ontology-Based Context-Awareness Modeling and Relational Domain Data. Information (Switzerland), 2018, 9, 30.	1.7	3
559	Exploration of Human Activities Using Message Streaming Brokers and Automated Logical Reasoning for Ambient-Assisted Services. IEEE Access, 2018, 6, 27127-27155.	2.6	11
560	Towards Improving Context Interpretation in the IoT Paradigm. , 2018, , .		9
561	On defining and modeling context-awareness. International Journal of Pervasive Computing and Communications, 2018, 14, 111-123.	1.1	2
562	Probabilistic Ontology Reasoning in Ambient Assistance: Predicting Human Actions. , 2018, , .		0
563	Location based services: ongoing evolution and research agenda. Journal of Location Based Services, 2018, 12, 63-93.	1.4	183
564	A survey on key fields of context awareness for mobile devices. Journal of Network and Computer Applications, 2018, 118, 44-60.	5.8	23
565	A Policy Model and Framework for Context-Aware Access Control to Information Resources. Computer Journal, 2019, 62, 670-705.	1.5	30
566	On personalized cloud service provisioning for mobile users using adaptive and context-aware service composition. Computing (Vienna/New York), 2019, 101, 291-318.	3.2	15
567	A context-sensitive offloading system using machine-learning classification algorithms for mobile cloud environment. Future Generation Computer Systems, 2019, 90, 503-520.	4.9	32
568	Big Data-Driven Contextual Processing Methods for Electrical Capacitance Tomography. IEEE Transactions on Industrial Informatics, 2019, 15, 1609-1618.	7.2	76
569	An index structure supporting rule activation in pervasive applications. World Wide Web, 2019, 22, 1-37.	2.7	6
570	CIM-CSS: A Formal Modeling Approach to Context Identification and Management for Intelligent Context-Sensitive Systems. IEEE Access, 2019, 7, 116056-116077.	2.6	6
571	Smartwatches as IoT Edge Devices: A Framework and Survey. , 2019, , .		8
572	A multidimensional framework to study situation awareness in u-learning systems. Telematics and Informatics, 2019, 43, 101246.	3.5	1

#	ARTICLE	IF	CITATIONS
573	An IoT Platform with Monitoring Robot Applying CNN-Based Context-Aware Learning. <i>Sensors</i> , 2019, 19, 2525.	2.1	22
574	From BPMN to Live Application: How the Context Can Drive an Auto-Adapted System. , 2019, , .		0
575	An MDD-based method for building context-aware applications with high reusability. <i>Journal of Software: Evolution and Process</i> , 2019, 31, e2200.	1.2	3
576	Modeling adaptive access control policies using answer set programming. <i>Journal of Information Security and Applications</i> , 2019, 44, 49-63.	1.8	8
577	Scaling-Out Longitudinal Clinical Analytics with Dataflow Processing. , 2019, , .		0
578	Towards A Collaboration Context Ontology. , 2019, , .		6
579	Towards a comprehensive understanding of the context concepts in context-aware business processes. , 2019, , .		8
580	A Survey on Adaptive Authentication. <i>ACM Computing Surveys</i> , 2020, 52, 1-30.	16.1	34
581	Find the Right Peers: Building and Querying Multi-IoT Networks Based on Contexts. <i>Lecture Notes in Computer Science</i> , 2019, , 302-313.	1.0	1
582	Intelligent decision support for maintenance: an overview and future trends. <i>International Journal of Computer Integrated Manufacturing</i> , 2019, 32, 936-959.	2.9	45
583	Smartphone based context-aware driver behavior classification using dynamic bayesian network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 4399-4412.	0.8	14
585	A Formal Model for Managing Multiple Observation Data in Agriculture. <i>International Journal of Intelligent Information Technologies</i> , 2019, 15, 79-100.	0.5	2
586	Expressive Context Modeling with Description Logics. <i>Communications in Computer and Information Science</i> , 2019, , 174-185.	0.4	0
587	Knowledge Graphs and Semantic Web. <i>Communications in Computer and Information Science</i> , 2019, , .	0.4	0
588	The state of framework development for implementing reasoning mechanisms in smart cyber-physical systems: A literature review. <i>Journal of Computational Design and Engineering</i> , 2019, 6, 527-541.	1.5	16
589	Contextual Awareness in Human-Advanced-Vehicle Systems: A Survey. <i>IEEE Access</i> , 2019, 7, 33304-33328.	2.6	24
590	HEARTDROID-”Rule engine for mobile and context-aware expert systems. <i>Expert Systems</i> , 2019, 36, e12328.	2.9	10
591	Surveying Human Habit Modeling and Mining Techniques in Smart Spaces. <i>Future Internet</i> , 2019, 11, 23.	2.4	13

#	ARTICLE	IF	CITATIONS
592	Augmenting the landscape scene: students as participatory evaluators of mobile geospatial technologies. <i>Journal of Geography in Higher Education</i> , 2019, 43, 131-154.	1.4	8
593	The MOM of context-aware systems: A survey. <i>Computer Communications</i> , 2019, 137, 44-69.	3.1	39
594	State of the art in hybrid strategies for context reasoning: A systematic literature review. <i>Information and Software Technology</i> , 2019, 111, 122-130.	3.0	3
595	A Satisfiability Algorithm For The Mu-Calculus For Trees With Presburger Constraints. , 2019, , .		1
596	Testing tools for Android context-aware applications: a systematic mapping. <i>Journal of the Brazilian Computer Society</i> , 2019, 25, .	0.8	15
597	Activity Learning for Intelligent Buildings. , 2019, , .		2
598	A Probabilistic Framework for Base Level Context Awareness of a Mobile or Wearable Device User. , 2019, , .		5
599	Fuzzy-Based Fine-Grained Human Activity Recognition within Smart Environments. , 2019, , .		5
600	End-user activities context information management framework for sustainable building operation. <i>Journal of Physics: Conference Series</i> , 2019, 1343, 012151.	0.3	2
601	Improving Bandit-Based Recommendations with Spatial Context Reasoning: An Online Evaluation. , 2019, , .		2
602	On the Use of Inductive Biases for Semantic Characterization of Industrial Alarm Systems. , 2019, , .		1
603	Context-aware multi-agent planning in intelligent environments. <i>Multiagent and Grid Systems</i> , 2019, 15, 219-236.	0.5	1
604	Research on Flexible Reasoning of Service Tasks for Service Robots Based on Intelligent Space. , 2019, , .		0
605	A Testing Framework for Multi-SensorMobile Applications. <i>Journal of Mobile Multimedia</i> , 2019, 15, 1-28.	0.9	0
606	Designing context-aware systems: A method for understanding and analysing context in practice. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2019, 103, 79-104.	0.4	33
607	Achieving security-by-design through ontology-driven attribute-based access control in cloud environments. <i>Future Generation Computer Systems</i> , 2019, 93, 373-391.	4.9	19
608	LOOKER: a mobile, personalized recommender system in the tourism domain based on social media user-generated content. <i>Personal and Ubiquitous Computing</i> , 2019, 23, 181-197.	1.9	31
609	An activity theory based approach for ontological modelling of collaborative logistics process dynamics. <i>International Journal of Logistics Research and Applications</i> , 2019, 22, 371-392.	5.6	1

#	ARTICLE	IF	CITATIONS
610	The design of an IoT-GIS platform for performing automated analytical tasks. Computers, Environment and Urban Systems, 2019, 74, 23-40.	3.3	25
611	Context-Driven Autonomy for Enhanced System Resilience in Emergent Operating Environments. IEEE Systems Journal, 2019, 13, 2130-2141.	2.9	3
612	Enhancing business process execution with a context engine. Business Process Management Journal, 2019, 25, 1273-1290.	2.4	4
613	3LConOnt: a three-level ontology for context modelling in context-aware computing. Software and Systems Modeling, 2019, 18, 1345-1378.	2.2	15
614	Multidimensional context modeling applied to non-functional analysis of software. Software and Systems Modeling, 2019, 18, 2137-2176.	2.2	4
615	The next evolution of MDE: a seamless integration of machine learning into domain modeling. Software and Systems Modeling, 2019, 18, 1285-1304.	2.2	21
616	A survey: Cyber-physical-social systems and their system-level design methodology. Future Generation Computer Systems, 2020, 105, 1028-1042.	4.9	124
617	Semantic event fusion of computer vision and ambient sensor data for activity recognition to support dementia care. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3057-3072.	3.3	10
618	Non-intrusive contextual dynamic reconfiguration of ambient intelligent IoT systems. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1365-1376.	3.3	6
619	Converness: Ontology-driven conversational awareness and context understanding in multimodal dialogue systems. Expert Systems, 2020, 37, e12378.	2.9	4
620	Cloud SLA negotiation and re-negotiation: An ontology-based context-aware approach. Concurrency Computation Practice and Experience, 2020, 32, e5315.	1.4	8
621	Visual process maps: a visualization tool for discovering habits in smart homes. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1997-2025.	3.3	12
622	Towards Next-Generation Vehicles Featuring the Vehicle Intelligence. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 30-47.	4.7	35
623	A traceability proposal for industry 4.0. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3355-3369.	3.3	17
624	A Survey on Accessible Context-Aware Systems. EAI/Springer Innovations in Communication and Computing, 2020, , 29-63.	0.9	6
625	Educational Networking. Lecture Notes in Social Networks, 2020, , .	0.8	3
626	Context information sharing for the Internet of Things: A survey. Computer Networks, 2020, 166, 106988.	3.2	46
627	Energy aware simulation and testing of smart-spaces. Information and Software Technology, 2020, 118, 106201.	3.0	0

#	ARTICLE	IF	CITATIONS
628	CaaSSET: A Framework for Model-Driven Development of Context as a Service. <i>Future Generation Computer Systems</i> , 2020, 105, 61-95.	4.9	13
629	Towards a ubiquitous real-time COVID-19 detection system. <i>International Journal of Pervasive Computing and Communications</i> , 2020, ahead-of-print, .	1.1	1
630	Internet of Things for Smart Spaces: A University Campus Case Study. <i>Sensors</i> , 2020, 20, 3716.	2.1	19
631	Towards Adaptive Sensor Data Quality Improvement based on Context Models. , 2020, , .		1
632	Research on the Method of Context Modeling Based on Ontology “a Case Study of Tea Sales. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 768, 052020.	0.3	0
633	Sensor-Enabled Context-Aware and Pro-Active Queue Management Systems in Intelligent Environments. <i>Sensors</i> , 2020, 20, 5837.	2.1	2
634	Machine Learning for a Context Mining Facility. , 2020, , .		1
635	ProCAVIAR: Hybrid Data-Driven and Probabilistic Knowledge-Based Activity Recognition. <i>IEEE Access</i> , 2020, 8, 146876-146886.	2.6	10
636	Context Flow Graphs: Situation Modeling for Rule-Based Proactive Context-Aware Systems. <i>IEEE Access</i> , 2020, 8, 212939-212960.	2.6	1
637	A method to generate context information sets from analysis results with a unified abstraction model based on an extension of data enrichment scheme. <i>Concurrency Computation Practice and Experience</i> , 2020, 33, e6117.	1.4	0
638	A Review on Scaling Mobile Sensing Platforms for Human Activity Recognition: Challenges and Recommendations for Future Research. <i>IoT</i> , 2020, 1, 451-473.	2.3	9
639	A Hybrid Semantic Knowledge Integration and Sharing Approach for Distributed Smart Environments. <i>Sensors</i> , 2020, 20, 5918.	2.1	2
640	On-demand deployment for IoT applications. <i>Journal of Systems Architecture</i> , 2020, 111, 101794.	2.5	9
641	Survey on Challenges and Achievements in Context-Aware Requirement Modeling. <i>IEICE Transactions on Information and Systems</i> , 2020, E103.D, 553-565.	0.4	2
643	Ontology driven human activity recognition in heterogeneous sensor measurements. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 5947-5960.	3.3	11
644	A Context-Aware Middleware Cloud Approach for Integrating Precision Farming Facilities into the IoT toward Agriculture 4.0. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 813.	1.3	60
645	A Survey of Context-Aware Access Control Mechanisms for Cloud and Fog Networks: Taxonomy and Open Research Issues. <i>Sensors</i> , 2020, 20, 2464.	2.1	53
646	CAVIAR: Context-driven Active and Incremental Activity Recognition. <i>Knowledge-Based Systems</i> , 2020, 196, 105816.	4.0	28

#	ARTICLE	IF	CITATIONS
647	A survey on context awareness in big data analytics for business applications. Knowledge and Information Systems, 2020, 62, 3387-3415.	2.1	14
648	A lightweight cyber security framework with context-awareness for pervasive computing environments. Sustainable Cities and Society, 2021, 66, 102610.	5.1	17
649	Universal location referencing and homomorphic evaluation of geospatial query. Computers and Security, 2021, 102, 102137.	4.0	4
650	Context-Aware Recommender Systems for Social Networks: Review, Challenges and Opportunities. IEEE Access, 2021, 9, 57440-57463.	2.6	18
651	Activity Recognition for Shepherding. Unmanned System Technologies, 2021, , 131-164.	0.9	3
652	Context and Machine Learning Based Trust Management Framework for Internet of Vehicles. Computers, Materials and Continua, 2021, 68, 4125-4142.	1.5	7
653	Tactile computing: Essential building blocks for the Tactile Internet. , 2021, , 293-317.		2
654	Context-Aware Security for Vehicles and Fleets: A Survey. IEEE Access, 2021, 9, 101809-101846.	2.6	10
655	Integration of Cutting-Edge Interoperability Approaches in Cyber-Physical Production Systems and Industry 4.0. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2021, , 144-172.	0.5	8
656	Reasoning and learning with context logic. Journal of Reliable Intelligent Environments, 2021, 7, 171-185.	3.8	3
657	Ubiquitous learning situations : quality-aware description and modelling. Multimedia Tools and Applications, 2021, 80, 17583-17609.	2.6	0
658	Contextual dimensions for cache replacement schemes in information-centric networks: a systematic review. PeerJ Computer Science, 2021, 7, e418.	2.7	2
659	A collaboration context ontology to enhance human-related collaboration into Industry 4.0. Cognition, Technology and Work, 0, , 1.	1.7	1
660	Pyramidal Framework: Guidance for the Next Generation of GIS Spatial-Temporal Models. ISPRS International Journal of Geo-Information, 2021, 10, 188.	1.4	4
661	Enabling situational awareness of business processes. Business Process Management Journal, 2021, 27, 779-795.	2.4	10
662	Impact of Federated Learning On Smart Buildings. , 2021, , .		6
663	Research on influencing factors of elderly care institutionsâ€™ choice intention based on artificial intelligence and embedded system. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	4
665	Querying the IoT Using Multiresolution Contexts. IEEE Internet of Things Journal, 2021, 8, 6127-6139.	5.5	3

#	ARTICLE	IF	CITATIONS
666	Intelligent Access Control Design for Security Context Awareness in Smart Grid. Sustainability, 2021, 13, 4124.	1.6	5
667	A Semantic and Knowledge-Based Approach for Handover Management. Sensors, 2021, 21, 4234.	2.1	4
668	Modelling on mobile devices. Software and Systems Modeling, 0, , 1.	2.2	0
669	A Context-Aware Middleware for Context Modeling and Reasoning: A Case-Study in Smart Cultural Spaces. Applied Sciences (Switzerland), 2021, 11, 5770.	1.3	4
670	Towards Understanding People's Experiences of AI Computer Vision Fitness Instructor Apps. , 2021, , .		5
671	Putting human behavior predictability in context. EPJ Data Science, 2021, 10, .	1.5	12
672	A multi-layered bigraphical modelling approach for context-aware systems. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 6125-6139.	2.7	2
673	Intelligent energy management: Evolving developments, current challenges, and research directions for sustainable future. Journal of Cleaner Production, 2021, 314, 127904.	4.6	24
675	Resource Availability and Capability Monitoring. , 2021, , 155-181.		0
676	Context Modelling in Ambient Assisted Living: Trends and Lessons. Profiles in Operations Research, 2021, , 189-225.	0.3	2
677	Context-Aware Middleware: A Review. , 2014, , 83-96.		14
678	Formal Context Representation and Calculus for Context-Aware Computing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 3-13.	0.2	3
679	Interpreting Information in Smart Environments with Social Patterns. Lecture Notes in Computer Science, 2019, , 48-61.	1.0	1
680	An Ontology-Based Mediation Framework for Integrating Federated Sources of BIM and IoT Data. Lecture Notes in Civil Engineering, 2021, , 907-923.	0.3	3
681	People-Centric Service for mHealth of Wheelchair Users in Smart Cities. Internet of Things, 2014, , 163-179.	1.3	17
683	Modeling Context-Awareness in a Pervasive Computing Middleware Using Ontologies and Data Quality Profiles. Communications in Computer and Information Science, 2013, , 271-282.	0.4	2
684	Modeling Context-Aware and Agent-Ready Systems for the Outdoor Smart Lighting. Lecture Notes in Computer Science, 2014, , 257-268.	1.0	8
685	PO-SAAC: A Purpose-Oriented Situation-Aware Access Control Framework for Software Services. Lecture Notes in Computer Science, 2014, , 58-74.	1.0	10

#	ARTICLE	IF	CITATIONS
687	Storing and Managing Context and Context History. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 35-46.	0.2	1
688	Software-Intensive Systems for Smart Cities: From Ensembles to Superorganisms. Lecture Notes in Computer Science, 2015, , 538-551.	1.0	4
689	Context Awareness in Pervasive Information Management. Data-centric Systems and Applications, 2015, , 235-256.	0.2	5
690	Formalization of "Context" for Information Fusion. Advances in Computer Vision and Pattern Recognition, 2016, , 27-43.	0.9	7
691	Context-Aware Systems: Technologies and Challenges in Internet of Everything Environments. Internet of Things, 2017, , 1-25.	1.3	9
692	Unified Modeling of Quality of Context and Quality of Situation for Context-Aware Applications in the Internet of Things. Lecture Notes in Computer Science, 2017, , 370-374.	1.0	3
693	Enriching a Situation Awareness Framework for IoT with Knowledge Base and Reasoning Components. Lecture Notes in Computer Science, 2017, , 41-54.	1.0	9
694	Analysis Method for Conceptual Context Modeling Applied in Production Environments. Lecture Notes in Business Information Processing, 2017, , 313-325.	0.8	3
695	Domain-Specific Modelling Using Mobile Devices. Communications in Computer and Information Science, 2017, , 221-238.	0.4	3
696	Context-Awareness in Location Based Services in the Big Data Era. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 85-127.	0.5	12
697	A Reasoning Framework for Ambient Intelligence. Lecture Notes in Computer Science, 2010, , 213-222.	1.0	13
698	Rule-Based Contextual Reasoning in Ambient Intelligence. Lecture Notes in Computer Science, 2010, , 74-88.	1.0	13
699	Context-Awareness Micro-architecture for Smart Spaces. Lecture Notes in Computer Science, 2011, , 148-157.	1.0	7
700	Enhancing Traditional Local Search Recommendations with Context-Awareness. Lecture Notes in Computer Science, 2011, , 335-340.	1.0	23
701	Towards Incremental Reasoning for Context Aware Systems. Communications in Computer and Information Science, 2011, , 232-241.	0.4	4
702	Gander: Personalizing Search of the Here and Now. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 88-100.	0.2	5
703	SCIMS: A Social Context Information Management System for Socially-Aware Applications. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 301-317.	0.2	12
704	Ontology-Based Recommendation Algorithms for Personalized Education. Lecture Notes in Computer Science, 2012, , 111-120.	1.0	9

#	ARTICLE	IF	CITATIONS
705	Possibilistic Reasoning in Multi-Context Systems: Preliminary Report. Lecture Notes in Computer Science, 2012, , 180-193.	1.0	3
706	A Mobile-Based System for Context-Aware Music Recommendations. International Federation for Information Processing, 2012, , 520-529.	0.4	5
707	Context-Aware Mobile Power Management Using Fuzzy Inference as a Service. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 314-327.	0.2	9
708	Modelling Interpersonal Relations in Surgical Teams with Fuzzy Logic. Lecture Notes in Computer Science, 2013, , 469-479.	1.0	1
709	Engineering a Platform for Mission Planning of Autonomous and Resilient Quadrotors. Lecture Notes in Computer Science, 2013, , 33-47.	1.0	7
710	Dynamic Context Modeling for Agile Case Management. Lecture Notes in Computer Science, 2013, , 144-154.	1.0	4
711	RelBOSS: A Relationship-Aware Access Control Framework for Software Services. Lecture Notes in Computer Science, 2014, , 258-276.	1.0	12
712	Learning Behaviour for Service Personalisation and Adaptation. Communications in Computer and Information Science, 2014, , 287-297.	0.4	2
713	On the use of semantic technologies for video analytics. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 567-587.	3.3	8
714	Learning Latent Activities from Social Signals with Hierarchical Dirichlet Processes. , 2014, , 149-174.		7
715	Context Aware Control Systems: An Engineering Applications Perspective. IEEE Access, 2020, 8, 215550-215569.	2.6	16
716	Future research challenges and applications of ubiquitous robotics. , 2012, , .		2
717	Operator Migration for Distributed Complex Event Processing in Device-to-Device Based Networks. , 2016, , .		5
718	Digital Behaviour Change Interventions to Break and Form Habits. ACM Transactions on Computer-Human Interaction, 2018, 25, 1-66.	4.6	95
719	Foundations of Context-aware Preference Propagation. Journal of the ACM, 2020, 67, 1-43.	1.8	5
720	Survey of Context Information Fusion for Sensor Networks Based Ubiquitous Systems. Computer Science and Information Technology, 2014, 2, 165-178.	0.1	8
721	Localizing Tortoise Nests by Neural Networks. PLoS ONE, 2016, 11, e0151168.	1.1	4
722	A Smart Home Context-aware Model Based On UML and Colored Petri Net. International Journal of Smart Home, 2016, 10, 101-114.	0.6	13

#	ARTICLE	IF	CITATIONS
723	A Platform to Support the Product Servitization. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	7
724	An Ontology-based Contextual Pre-filtering Technique for Recommender Systems. , 0, , .		7
725	SYSTEM ARCHITECTURE TO BRING SMART PERSONAL PROTECTIVE EQUIPMENT WEARABLES AND SENSORS TO TRANSFORM SAFETY AT WORK IN THE UNDERGROUND MINING INDUSTRY. Rudarsko Geolosko Naftni Zbornik, 2019, 34, 37-44.	0.2	22
726	The OPPORTUNITY Framework and Data Processing Ecosystem for Opportunistic Activity and Context Recognition. International Journal of Sensors, Wireless Communications and Control, 2012, 1, 102-125.	0.5	24
727	Context modeling based on feature models expressed as views on ontologies via mappings. Computer Science and Information Systems, 2015, 12, 961-977.	0.7	9
728	Development of middleware architecture to realize context-aware service in smart home environment. Computer Science and Information Systems, 2016, 13, 427-452.	0.7	3
731	Recognition of crowd behavior from mobile sensors with pattern analysis and graph clustering methods. Networks and Heterogeneous Media, 2011, 6, 521-544.	0.5	70
732	Background on Context-Aware Computing Systems. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 1-31.	0.3	2
733	The Design Principles and Practices of Interoperable Smart Spaces. , 0, , 18-47.		41
734	Context-Aware Business Process Versions Management. International Journal of E-Collaboration, 2016, 12, 7-33.	0.4	3
735	Is Group-Awareness Context-Awareness?. International Journal of E-Collaboration, 2019, 15, 1-19.	0.4	2
736	Applying Log Data to Context-Awareness in Home Network System. EAI Endorsed Transactions on Context-aware Systems and Applications, 2015, 2, e3.	0.1	1
737	Location-based Timely Cooperation over Social Private Network. , 2014, , .		5
738	An approach to structuring reasoning for interpretation of sensor data in home-based health and well-being monitoring applications. , 2011, , .		2
739	An OWL-Based Mobile GeoBI Context Ontology Enabling Location-Based and Context-Based Reasoning and Supporting Contextual Business Analysis. International Journal of Geosciences, 2015, 06, 88-108.	0.2	1
740	A Systematic Approach to Context Aware Service Design. Journal of Computers, 2012, 7, .	0.4	4
741	Context-Aware Mobile Patient Monitoring Frameworks: A Systematic Review and Research Agenda. Journal of Software, 2013, 8, .	0.6	9
742	A Model Driven Approach for Improving the Generation of Accessible User Interfaces. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
743	Context-aware Security Models for PaaS-enabled Access Control. , 2016, , .		10
746	Benefits of Business Process Context for Human Task Management. International Journal of Trade Economics and Finance, 2011, , 304-311.	0.1	3
748	Reasoning on a Semantic Web Based Context-Awareness Middleware. Advances in Intelligent and Soft Computing, 2010, , 147-155.	0.2	1
749	Context, Quality and Relevance: Dependencies and Impacts on RESTful Web Services Design. Lecture Notes in Computer Science, 2010, , 347-359.	1.0	4
750	Ontology Driven Piecemeal Development of Smart Spaces. Lecture Notes in Computer Science, 2010, , 148-156.	1.0	1
751	A Formal Model of Reliable Sensor Perception. Lecture Notes in Computer Science, 2010, , 94-107.	1.0	2
752	Towards Real-Time Context Awareness for Mobile Users: A Declarative Meta-Programming Approach. Annals of Information Systems, 2011, , 89-112.	0.5	0
753	A Parameterized Privacy-Aware Pub-sub System in Smart Work. Communications in Computer and Information Science, 2011, , 204-214.	0.4	1
754	EPISTEMIC REASONING FOR AMBIENT INTELLIGENCE. , 2011, , .		1
755	Online Self-learning Internet Traffic Classification based on Profile and Ontology. Journal of Convergence Information Technology, 2011, 6, 81-91.	0.1	0
756	Technologische Herausforderungen für kontextsensitive Geschäfts Anwendungen. Xpert Press, 2012, , 285-300.	0.1	0
757	Activity Recognition in Ubiquitous Computing Environment. Advances in Intelligent and Soft Computing, 2012, , 279-286.	0.2	0
758	Construction of Context-Aware Support Model for Mobile Worker: A Scenario-Based Approach. International Journal of Advancements in Computing Technology, 2012, 4, 535-549.	0.1	1
760	Towards a Lightweight Mobile Semantic-Based Approach for Enhancing Interaction with Smart Objects. Advances in Intelligent and Soft Computing, 2012, , 185-196.	0.2	0
761	Safe Autonomous Transport Vehicles in Heterogeneous Outdoor Environments. Communications in Computer and Information Science, 2012, , 61-75.	0.4	0
762	Context-Aware Multimedia Services for Mobile Lecture Streaming. Advances in Multimedia and Interactive Technologies Book Series, 2012, , 202-223.	0.1	0
763	Architecting Embedded Software for Context-Aware Systems. , 0, , .		0
764	Taxonomia das publicações sobre Qualidade de Contexto. Sustainable Business International Journal, 2012, , .	0.0	6

#	ARTICLE	IF	CITATIONS
765	UN ENFOQUE PARA LA CREACI3N DE TAREAS ROB3TICAS AUTOSANABLES BASADO EN EL PARADIGMA DE COMPUTACI3N EN LA NUBE. Lmpsakos, 2012, 1, 41.	0.1	0
766	Analysis of a hybrid neural network as underlying mechanism for a situation prediction engine. Journal of Applied Computing Research, 2012, 2, .	0.4	0
767	QoC-Aware Access Control Based on Fuzzy Inference for Pervasive Computing Environments. Lecture Notes in Computer Science, 2013, , 501-508.	1.0	2
768	3D Interaction Assistance in Virtual Reality: A Semantic Reasoning Engine for Context-Awareness. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 30-40.	0.2	1
769	The SmarterContext Ontology and Its Application to the Smart Internet: A Smarter Commerce Case Study. Lecture Notes in Computer Science, 2013, , 151-184.	1.0	1
770	Automatic Generation of UIs for Disabled Users using Context-aware Techniques and Reasoning. , 2013, , .		1
771	Intelligent and Adaptive Pervasive Future Internet: Smart Cities for the Citizens. Communications in Computer and Information Science, 2013, , 269-281.	0.4	1
772	Technologies for Autonomic Dependable Services Platform: Achievements and Future Challenges. Communications in Computer and Information Science, 2013, , 199-214.	0.4	0
773	Extracting Behavioural Patterns from a Negotiation Game. Communications in Computer and Information Science, 2013, , 304-315.	0.4	2
774	Interactive Product Browsing and Configuration using Remote Augmented Reality Sales Services. Lecture Notes in Computer Science, 2013, , 241-252.	1.0	1
775	Online Semantic Knowledge Management for Product Design Based on Product Engineering Ontologies. , 2013, , 1-26.		0
776	Sistema Pervasivo de Informa33o em Sa3de Projetado para ser Programado pelo Usu3rio Clnico. Revista De Informatica Teorica E Aplicada, 2013, 20, 49.	0.2	2
777	An Ontology-Based Context-Aware Mobile System for On-the-Move Tourists. Communications in Computer and Information Science, 2013, , 252-256.	0.4	0
778	Performance Measurement System Controllability Framing Effects on Subordinate-Self Control Systems. SSRN Electronic Journal, 0, , .	0.4	0
779	A Formal Model and a Design of Inference Engine for Context-Aware Mobile Computing. KIPS Transactions on Software and Data Engineering, 2013, 2, 239-250.	0.1	0
780	A Dynamic Evidential Fusion Network for Decision Making in Multi- Robot System. International Journal of Information Processing and Management, 2013, 4, 156-170.	0.1	0
781	Uma defini33o ontol3gica de elementos de contexto relevantes na adapta33o de documentos em ambientes hospitalares pervasivos. Revista Brasileira De Computa33o Aplicada, 2013, 5, .	0.1	0
783	Software Frameworks in Biomedical Informatics: A Systematic Review and Research Agenda. Journal of Software, 2013, 8, .	0.6	1

#	ARTICLE	IF	CITATIONS
784	Serendipity Rendezvous as a Mitigation of Exploration's Interruptibility for a Team of Robots. , 2014, , 645-663.		0
785	Understanding and Modeling Context in Data Integration. International Journal of Conceptual Structures and Smart Applications, 2014, 2, 1-17.	0.1	0
786	A Context-Aware Access Control Framework for Software Services. Lecture Notes in Computer Science, 2014, , 569-577.	1.0	0
788	Architecture Pattern for Context-Aware Smart Environments. Advances in Human and Social Aspects of Technology Book Series, 2014, , 108-130.	0.3	4
789	Review on Context Classification in Robotics. Lecture Notes in Computer Science, 2014, , 269-276.	1.0	2
790	Social Collective Awareness in Socio-Technical Urban Superorganisms. , 2014, , 227-241.		0
791	Effect of Choice of Discretization Methods on Context Extraction from Sensor Data – An Empirical Evaluation. Lecture Notes in Computer Science, 2014, , 146-151.	1.0	0
792	The CSS Design Process: On Supporting Context-Sensitive Systems Development. , 2014, , 9-24.		0
794	Matching Workflow Contexts for Collaborative New Product Development Task Knowledge Provisioning. Lecture Notes in Computer Science, 2014, , 269-276.	1.0	1
795	Formalizing Context for Domain Ontologies in Coq. , 2014, , 437-454.		3
796	Context-aware Semantic Infrastructure for IPv6-based Smart Home. , 0, , .		0
797	A Cloud-Enabled and Service-Oriented Framework for Context-Awareness towards Smarter Environments. International Journal of Computer Applications, 2014, 97, 21-28.	0.2	0
798	Context-Aware Services for Mobile Multimedia Application. Journal of Testing and Evaluation, 2015, 43, 977-990.	0.4	0
799	Smarter Environments: A Compact Service-Oriented Framework for Context-Awareness. Journal of Artificial Intelligence, 2014, 7, 145-160.	0.7	1
800	Context management: toward assessing quality of context parameters in a ubiquitous ambient assisted living environment. Journal of Information Systems and Technology Management, 2014, 11, .	0.4	3
801	Implicit and Natural HCI in Aml: Ambient and Multimodal User Interfaces, Intelligent Agents, Intelligent Behavior, and Mental and Physical Invisibility. Atlantis Ambient and Pervasive Intelligence, 2015, , 259-318.	0.2	1
803	Context Classifier for Service Robots. IFIP Advances in Information and Communication Technology, 2015, , 196-203.	0.5	2
804	Identifying Context Information in Datasets. Lecture Notes in Computer Science, 2015, , 214-225.	1.0	2

#	ARTICLE	IF	CITATIONS
805	Multimedia Recommendation and Delivery Strategies. Data-centric Systems and Applications, 2015, , 327-342.	0.2	0
806	Context and Context Awareness of Humans and Aml Systems: Characteristics and Differences and Technological Challenges and Limitations. Atlantis Ambient and Pervasive Intelligence, 2015, , 67-128.	0.2	1
807	A New Context-Aware Computing Method for Urban Safety. Lecture Notes in Computer Science, 2015, , 298-305.	1.0	1
809	Energy Efficiency in Physical Hardware. , 2015, , 101-125.		0
810	A Platform for Matching Context in Real Time. Lecture Notes in Computer Science, 2015, , 99-110.	1.0	0
812	The Software Trustworthiness Evaluation Model Based on Subjective Logic. International Journal of Hybrid Information Technology, 2015, 8, 35-50.	0.6	0
813	Ambient Intelligence: A New Computing Paradigm and a Vision of a Next Wave in ICT. Atlantis Ambient and Pervasive Intelligence, 2015, , 23-66.	0.2	1
814	- Energy Efficiency in Physical Hardware. , 2015, , 120-145.		0
815	Cloud-Brain: A Knowledge-Based Development System for End-User in Cloud Computing. International Journal of Hybrid Information Technology, 2015, 8, 195-212.	0.6	0
816	Semantic Framework for Context-Aware Monitoring of Ambient Assisted Living Ecosystems. Rehabilitation Science in Practice Series, 2015, , 573-602.	0.0	0
817	Context-Aware User Modeling and Semantic Interoperability in Smart Home Environments. International Journal of Virtual Communities and Social Networking, 2015, 7, 17-50.	0.2	0
818	Uma RevisÃ£o SistemÃ¡tica sobre as Abordagens UbÃ¡quas para RecomendaÃ§Ã£o Educacional: Estariam Elas se Tornando Adaptativas?. , 0, , .		1
819	Towards a Reasoning Model for Context-aware Systems: Modal Logic and the Tree Model Property. Research in Computing Science, 2015, 99, 9-18.	0.1	0
820	Ontological Reasoning About Situations fromÃCalendar Events. Lecture Notes in Computer Science, 2016, , 810-826.	1.0	0
821	Collaborative Explanation and Response in Assisted Living Environments Enhanced with Humanoid Robots. , 2016, , .		0
822	Spatiotemporal Context Modelling in Pervasive Context-Aware Computing Environment: A Logic Perspective. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	1
823	Pervasive Cyberinfrastructure for Personalized Education. Advances in Educational Technologies and Instructional Design Book Series, 2016, , 817-839.	0.2	3
824	A MDSO Approach for Adaptable Service Oriented Systems based on Domain Specific Language Engineering. International Journal of Adaptive Resilient and Autonomic Systems, 2016, 7, 1-25.	0.3	0

#	ARTICLE	IF	CITATIONS
826	An Ontology Model for Smart Service in Vertical Farms – An OWL-S Approach. International Journal of U- and E- Service, Science and Technology, 2016, 9, 161-170.	0.1	2
827	Activity Context Modeling in Context-Aware Environment. International Journal of Computer Applications Technology and Research, 2016, 5, 687-692.	0.1	2
828	Modeling Situations in an Intelligent Connected Furniture Environment. Lecture Notes in Computer Science, 2017, , 381-394.	1.0	1
829	Security Policy Model for Ubiquitous Social Systems. Lecture Notes in Computer Science, 2017, , 302-314.	1.0	0
830	Applying Working Memory Theory to Redesign a Mobile Application User Interface: Take a Handicraft Self-learning Page as an Example. Lecture Notes in Computer Science, 2017, , 324-332.	1.0	0
831	Using Behavior Measurement to Estimate Cognitive Function Based on Computational Models. Computers in Health Care, 2017, , 137-163.	0.2	6
832	An Approach for Cloud-Based Situational Analysis for Factories Providing Real-Time Reconfiguration Services. IFIP Advances in Information and Communication Technology, 2017, , 118-127.	0.5	0
833	Quality on Context Engineering. Lecture Notes in Computer Science, 2017, , 432-439.	1.0	0
834	Mobile Location Tracking. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 194-209.	0.1	0
836	Ontology-Based Context Modeling and Reasoning for a Smart Space. , 2017, , 245-258.		0
837	Reasoning in Context-Aware Systems with Modal Logics. Research in Computing Science, 2017, 133, 51-61.	0.1	0
838	Conceptual Modeling of Context based Recommendation System. International Journal of Computer Applications, 2018, 180, 42-47.	0.2	0
839	AN ALGORITHM FOR DISTRIBUTED COOPERATIVE REASONING OVER GLOBAL CONTEXT STATES. Monografias Em Ciªncia Da Computaªo, 0, , .	0.0	0
840	Depth-First Reasoning on Trees. Computacion Y Sistemas, 2018, 22, .	0.2	2
844	Data Fusion. , 2019, , 542-547.		0
845	An Adaptive Security Framework for the Internet of Things Applications Based on the Contextual Information. Advances in Information Security, Privacy, and Ethics Book Series, 2019, , 244-267.	0.4	0
846	Exploiting context and quality for linked data source selection. , 2019, , .		2
848	Learning Spaces in Context-Aware Educational Networking Technologies in the Digital Age. Lecture Notes in Social Networks, 2020, , 299-323.	0.8	0

#	ARTICLE	IF	CITATIONS
849	An IoT Architecture to Provide Hybrid Context Reasoning. IFIP Advances in Information and Communication Technology, 2020, , 86-102.	0.5	0
850	On Dynamically Reconfiguring IoT Architectures. Advances in Computer and Electrical Engineering Book Series, 2020, , 164-192.	0.2	0
852	Semantics-Driven Programming of Self-Adaptive Reactive Systems. International Journal of Software Engineering and Knowledge Engineering, 2020, 30, 805-834.	0.6	1
853	Dynamic User Interests Profiling Using Fuzzy Logic Application. Advances in Intelligent Systems and Computing, 2020, , 968-979.	0.5	0
854	Uncertainty Theories for Real-Time Systems. , 2020, , 1-34.		1
855	Using Mobile Cloud Computing for Developing Context-Aware Multimedia Applications. , 2020, , 51-89.		1
856	Influence of Visual Symbol's User Background and Symbol Semantic Abstraction Level on User's Cognition in AR Auxiliary Assembly Environment. Lecture Notes in Computer Science, 2020, , 127-137.	1.0	0
857	Situation-Aware Updates for Cyber-Physical Systems. Communications in Computer and Information Science, 2020, , 12-32.	0.4	3
858	A Semantic Model Toward Smart IoT Device Management. Advances in Intelligent Systems and Computing, 2020, , 640-650.	0.5	2
859	Context-Aware Recommendation Systems in the IoT Environment (IoT-CARS) – A Comprehensive Overview. IEEE Access, 2021, 9, 144270-144284.	2.6	16
860	Presburger Constraints in Trees. Computacion Y Sistemas, 2020, 24, .	0.2	1
861	Compilation of References. , 0, , 0-0.		0
862	Storing and Managing Context and Context History. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 35-46.	0.2	2
863	Ontology-Based Context Modeling in Physical Asset Integrity Management. Frontiers in Computer Science, 2020, 2, .	1.7	1
864	Introducing Context and Context-awareness in Data Integration. , 2020, , .		0
865	A Context-aware Hybrid Framework for Human Behavior Analysis. , 2020, , .		6
867	The practical role of context modeling in the elicitation of context-aware functionalities: a survey. , 2021, , .		1
868	A reasoning model for geo-referencing named and unnamed spatial entities in natural language place descriptions. Spatial Cognition and Computation, 2022, 22, 328-366.	0.6	2

#	ARTICLE	IF	CITATIONS
869	Context-Aware Probabilistic Models for Predicting Future Sedentary Behaviors of Smartphone Users. <i>Journal of Healthcare Informatics Research</i> , 2022, 6, 112-152.	5.3	1
871	CBPM: An Approach for Contextual Business Process Modeling. , 2020, , .		1
874	Real-Time Adaptation of Context-Aware Intelligent User Interfaces, for Enhanced Situational Awareness. <i>IEEE Access</i> , 2022, 10, 23367-23393.	2.6	6
875	Requirements, Limitations and Recommendations for Enabling End-to-End Quality of Context-Awareness in IoT Middleware. <i>Sensors</i> , 2022, 22, 1632.	2.1	6
876	Modeling and Reasoning of Contexts in Smart Spaces Based on Stochastic Analysis of Sensor Data. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2452.	1.3	0
877	Contexts and Context-awareness Revisited from an Intelligent Environments Perspective. <i>Applied Artificial Intelligence</i> , 2022, 36, .	2.0	1
878	Ontology-Based IoT Middleware Approach for Smart Livestock Farming toward Agriculture 4.0: A Case Study for Controlling Thermal Environment in a Pig Facility. <i>Agronomy</i> , 2022, 12, 750.	1.3	19
879	Context-aware vehicle and fleet security combining a Knowledge Graph and an object-oriented model. , 2022, , .		3
880	Context Awareness in Cultural Heritage Applications: A Survey. <i>Journal on Computing and Cultural Heritage</i> , 2022, 15, 1-31.	1.2	11
881	Synthesis of context-aware business processes for location-based services through choreographies. <i>Journal of Software: Evolution and Process</i> , 0, , .	1.2	3
882	How to compete with robots by assessing job automation risks and resilient alternatives. <i>Science Robotics</i> , 2022, 7, eabg5561.	9.9	10
886	Leveraging Digital Library to Enhance Research and Learning Experience of College Students: An In-Depth Study. <i>Journal of Mathematics</i> , 2022, 2022, 1-8.	0.5	1
887	Towards Efficient and Secure Data Storage in Multi-tenant Cloud-Based CRM Solutions. , 2015, , .		3
888	Meaningful human control: actionable properties for AI system development. <i>AI and Ethics</i> , 2023, 3, 241-255.	4.6	14
889	MAROQ: um modelo de aloca�o de recursos orientado a qualidade de experi�ncia / MAROQ: a quality of experience oriented resource allocation model. <i>Brazilian Journal of Development</i> , 2022, 8, 34097-34107.	0.0	0
890	CTMF: Context-Aware Trust Management Framework for Internet of Vehicles. <i>IEEE Access</i> , 2022, 10, 73685-73701.	2.6	9
891	Identifying and characterising sources of variability in digital outcome measures in Parkinson's disease. <i>Npj Digital Medicine</i> , 2022, 5, .	5.7	5
892	Scaffolding system for solving problems in engineering education. <i>Revista Ingenier�as Universidad De Medell�n</i> , 2021, 20, 35-53.	0.1	1

#	ARTICLE	IF	CITATIONS
893	Uncertainty Theories for Real-Time Systems. , 2022, , 99-132.		2
894	Context-Aware Service Support Efficiency Improvement in the Transport System. Profiles in Operations Research, 2022, , 179-227.	0.3	1
895	Data Fusion. , 2022, , 1-6.		0
896	Modeling Contexts as Fuzzy Propositions in Optimization Problems. IEEE Transactions on Fuzzy Systems, 2023, 31, 1474-1483.	6.5	1
897	Context-Adaptive Visual Cues for Safe Navigation in Augmented Reality Using Machine Learning. International Journal of Human-Computer Interaction, 2024, 40, 761-781.	3.3	7
898	A structured approach for functional analysis of context-aware systems. Concurrent Engineering Research and Applications, 0, , 1063293X2211377.	2.0	0
900	Enhancing user interaction with context-awareness in cultural spaces. Personal and Ubiquitous Computing, 0, , .	1.9	0
901	A Framework for Analyzing Modeling Languages for Context-Aware Systems. SN Computer Science, 2023, 4, .	2.3	1
902	The Context Awareness Challenges for PIS. , 2023, , 43-63.		1
903	A review paper on context: Awareness system of mobile computing. AIP Conference Proceedings, 2023, , .	0.3	0
904	Office Activity Recognition Using HTN Planning. , 2022, , .		1
905	Probabilistic knowledge infusion through symbolic features for context-aware activity recognition. Pervasive and Mobile Computing, 2023, 91, 101780.	2.1	1
907	Police Interventions as a Context-Aware System. A Case of a Contextual Data Modelling. Lecture Notes in Information Systems and Organisation, 2023, , 133-148.	0.4	0
909	Software Engineering Smart Energy Systems. , 2023, , 1659-1687.		0
910	Towards Recommender Systems Integrating Contextual Information from Multiple Domains through Tensor Factorization. , 2023, , 72-109.		0
913	An Ontology for Context Modeling in Smart Spaces. Lecture Notes in Computer Science, 2023, , 354-371.	1.0	0
915	Smart Home Design Based on IoT and Context Aware Model (ICAM). , 2023, , .		0
916	Context and Model for Writing This Book: An Idea of Big Concepts. , 2024, , 1-36.		0

#	ARTICLE	IF	CITATIONS
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