

Claudio Bettini

List of Publications by Year in descending order

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124
papers

4,451
citations

218381

26
h-index

143772

57
g-index

131
all docs

131
docs citations

131
times ranked

2930
citing authors

#	ARTICLE	IF	CITATIONS
1	MICAR: multi-inhabitant context-aware activity recognition in home environments. Distributed and Parallel Databases, 2023, 41, 571-602.	1.0	3
2	The MARBLE Dataset: Multi-inhabitant Activities of Daily Living Combining Wearable and Environmental Sensors Data. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 451-468.	0.2	3
3	DeXAR. , 2022, 6, 1-30.		11
4	Preliminary Results on Sensitive Data Leakage in Federated Human Activity Recognition. , 2022, , .		1
5	Semi-supervised and personalized federated activity recognition based on active learning and label propagation. Personal and Ubiquitous Computing, 2022, 26, 1281-1298.	1.9	13
6	Knowledge Infusion for Context-Aware Sensor-Based Human Activity Recognition. , 2022, , .		1
7	POLARIS: Probabilistic and Ontological Activity Recognition in Smart-Homes. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 209-223.	4.0	16
8	Geo-Social Networks Privacy. , 2021, , 1-4.		0
9	Temporal Access Control. , 2021, , 1-3.		0
10	Collaborative activity recognition with heterogeneous activity sets and privacy preferences. Journal of Ambient Intelligence and Smart Environments, 2021, 13, 433-452.	0.8	1
11	Towards Active Learning Interfaces for Multi-Inhabitant Activity Recognition. , 2020, , .		1
12	ProCAVIAR: Hybrid Data-Driven and Probabilistic Knowledge-Based Activity Recognition. IEEE Access, 2020, 8, 146876-146886.	2.6	10
13	Is Privacy Regulation Slowing Down Research on Pervasive Computing?. Computer, 2020, 53, 44-52.	1.2	4
14	SmartWheels: Detecting urban features for wheelchair usersâ€™ navigation. Pervasive and Mobile Computing, 2020, 62, 101115.	2.1	16
15	CAVIAR: Context-driven Active and Incremental Activity Recognition. Knowledge-Based Systems, 2020, 196, 105816.	4.0	28
16	The Privacy Implications of Cyber Security Systems. ACM Computing Surveys, 2019, 51, 1-27.	16.1	45
17	Automatic Detection of Urban Features from Wheelchair Usersâ€™ Movements. , 2019, , .		7
18	Is Privacy Regulation Slowing Down or Enabling the Wide Adoption of Pervasive Systems? Panel Summary. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	newNECTAR: Collaborative active learning for knowledge-based probabilistic activity recognition. <i>Pervasive and Mobile Computing</i> , 2019, 56, 88-105.	2.1	31
20	Hybrid data-driven and context-aware activity recognition with mobile devices. , 2019, , .		1
21	Privacy Protection in Location-Based Services: A Survey. , 2018, , 73-96.		14
22	NECTAR: Knowledge-based Collaborative Active Learning for Activity Recognition. , 2018, , .		12
23	Monitoring objects manipulations to detect abnormal behaviors. , 2017, , .		11
24	Privacy Threats in Location-Based Services. , 2017, , 1652-1661.		0
25	SmartFABER: Recognizing fine-grained abnormal behaviors for early detection of mild cognitive impairment. <i>Artificial Intelligence in Medicine</i> , 2016, 67, 57-74.	3.8	79
26	Analysis of long-term abnormal behaviors for early detection of cognitive decline. , 2016, , .		6
27	Towards automatic induction of abnormal behavioral patterns for recognizing mild cognitive impairment. , 2016, , .		7
28	Let the objects tell what you are doing. , 2016, , .		14
29	Mobile security and privacy: Advances, challenges and future research directions. <i>Pervasive and Mobile Computing</i> , 2016, 32, 1-2.	2.1	7
30	Privacy Threats in Location-Based Services. , 2016, , 1-10.		0
31	Demo abstract: Demonstration of the FABER system for fine-grained recognition of abnormal behaviors. , 2015, , .		0
32	From lab to life: Fine-grained behavior monitoring in the elderly's home. , 2015, , .		21
33	Privacy protection in pervasive systems: State of the art and technical challenges. <i>Pervasive and Mobile Computing</i> , 2015, 17, 159-174.	2.1	101
34	Incremental release of differentially-private check-in data. <i>Pervasive and Mobile Computing</i> , 2015, 16, 220-238.	2.1	6
35	Fine-grained recognition of abnormal behaviors for early detection of mild cognitive impairment. , 2015, , .		40
36	Obfuscation of Sensitive Data for Incremental Release of Network Flows. <i>IEEE/ACM Transactions on Networking</i> , 2015, 23, 672-686.	2.6	7

#	ARTICLE	IF	CITATIONS
37	Differentially-private release of check-in data for venue recommendation. , 2014, , .		13
38	A Platform for Privacy-Preserving Geo-social Recommendation of Points of Interest. , 2013, , .		5
39	Obsidian: A scalable and efficient framework for NetFlow obfuscation. , 2013, , .		1
40	Obsidian: A scalable and efficient framework for NetFlow obfuscation. , 2013, , .		1
41	A Practical Location Privacy Attack in Proximity Services. , 2013, , .		16
42	Message from the General Chairs - Volume 1. , 2013, , .		0
43	Location privacy attacks based on distance and density information. , 2012, , .		3
44	Obfuscation of sensitive data in network flows. , 2012, , .		16
45	Message from Workshop Chairs. , 2012, , .		0
46	Context provenance to enhance the dependability of ambient intelligence systems. Personal and Ubiquitous Computing, 2012, 16, 799-818.	1.9	9
47	Private context-aware recommendation of points of interest: An initial investigation. , 2012, , .		26
48	JS-Reduce: Defending Your Data from Sequential Background Knowledge Attacks. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 387-400.	3.7	20
49	Is ontology-based activity recognition really effective?. , 2011, , .		58
50	Challenges for Mobile Data Management in the Era of Cloud and Social Computing. , 2011, , .		5
51	Welcome from the technical program chairs. , 2011, , .		0
52	Message from Panel Chairs. , 2011, , .		0
53	Location-Related Privacy in Geo-Social Networks. IEEE Internet Computing, 2011, 15, 20-27.	3.2	110
54	Privacy in geo-social networks: proximity notification with untrusted service providers and curious buddies. VLDB Journal, 2011, 20, 541-566.	2.7	139

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55	COSAR: hybrid reasoning for context-aware activity recognition. Personal and Ubiquitous Computing, 2011, 15, 271-289.	1.9	218
56	OWL 2 modeling and reasoning with complex human activities. Pervasive and Mobile Computing, 2011, 7, 379-395.	2.1	131
57	Integrating Identity, Location, and Absence Privacy in Context-Aware Retrieval of Points of Interest. , 2011, , .		4
58	Temporal Access Control. , 2011, , 1284-1285.		0
59	IEEE PerCom 2010 PhD Forum: Message from the PhD Forum chair. , 2010, , .		0
60	A survey of context modelling and reasoning techniques. Pervasive and Mobile Computing, 2010, 6, 161-180.	2.1	918
61	MIMOSA: context-aware adaptation for ubiquitous web access. Personal and Ubiquitous Computing, 2010, 14, 301-320.	1.9	29
62	Pcube: A System to Evaluate and Test Privacy-Preserving Proximity Services. , 2010, , .		4
63	Preserving location and absence privacy in geo-social networks. , 2010, , .		58
64	Towards the adaptive integration of multiple context reasoners in pervasive computing environments. , 2010, , .		6
65	Hybrid reasoning in the CARE middleware for context awareness. International Journal of Web Engineering and Technology, 2009, 5, 3.	0.1	38
66	Evaluating privacy threats in released database views by symmetric indistinguishability. Journal of Computer Security, 2009, 17, 5-42.	0.5	2
67	Preserving Anonymity of Recurrent Location-Based Queries. , 2009, , .		23
68	Privacy-Aware Proximity Based Services. , 2009, , .		61
69	ProvidentHider: An Algorithm to Preserve Historical k-Anonymity in LBS. , 2009, , .		19
70	Context-Aware Activity Recognition through a Combination of Ontological and Statistical Reasoning. Lecture Notes in Computer Science, 2009, , 39-53.	1.0	57
71	Hide & Crypt: Protecting Privacy in Proximity-Based Services. Lecture Notes in Computer Science, 2009, , 441-444.	1.0	2
72	Anonymity and Historical-Anonymity in Location-Based Services. Lecture Notes in Computer Science, 2009, , 1-30.	1.0	32

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73	Privacy in Georeferenced Context-Aware Services: A Survey. Lecture Notes in Computer Science, 2009, , 151-172.	1.0	24
74	Longitude: Centralized Privacy-Preserving Computation of Users' Proximity. Lecture Notes in Computer Science, 2009, , 142-157.	1.0	27
75	Cor-Split: Defending Privacy in Data Re-publication from Historical Correlations and Compromised Tuples. Lecture Notes in Computer Science, 2009, , 562-579.	1.0	3
76	Efficient profile aggregation and policy evaluation in a middleware for adaptive mobile applications. Pervasive and Mobile Computing, 2008, 4, 697-718.	2.1	17
77	Shadow attacks on users' anonymity in pervasive computing environments. Pervasive and Mobile Computing, 2008, 4, 819-835.	2.1	11
78	Composition and Generalization of Context Data for Privacy Preservation. , 2008, , .		16
79	Protecting Users' Anonymity in Pervasive Computing Environments. , 2008, , .		12
80	Privacy Threats in Location-Based Services. , 2008, , 906-912.		3
81	How Anonymous Is k-Anonymous? Look at Your Quasi-ID. Lecture Notes in Computer Science, 2008, , 1-15.	1.0	4
82	Anonymity and Diversity in LBS: A Preliminary Investigation. , 2007, , .		8
83	Spatial generalisation algorithms for LBS privacy preservation. Journal of Location Based Services, 2007, 1, 179-207.	1.4	27
84	Multidisciplinary Analysis of a Complete Infrared Suppression System. , 2007, , 1365.		6
85	A Comparison of Spatial Generalization Algorithms for LBS Privacy Preservation. , 2007, , .		32
86	Computational Analysis of Flow Separation Control for the Flow over a Wall-Mounted Hump Using a Synthetic Jet. , 2007, , .		4
87	Context-aware Web Services for Distributed Retrieval of Points of Interest. , 2007, , .		3
88	A Performance Evaluation of Ontology-Based Context Reasoning. , 2007, , .		12
89	Anonymity in Location-Based Services: Towards a General Framework. , 2007, , .		52
90	Distributed Context Monitoring for the Adaptation of Continuous Services. World Wide Web, 2007, 10, 503-528.	2.7	23

#	ARTICLE	IF	CITATIONS
91	k-Anonymity in Databases with Timestamped Data. , 2006, , .		6
92	Loosely coupling ontological reasoning with an efficient middleware for context-awareness. , 2005, , .		35
93	Distributed Context Monitoring for Continuous Mobile Services. , 2005, , 123-137.		1
94	Protecting Privacy Against Location-Based Personal Identification. Lecture Notes in Computer Science, 2005, , 185-199.	1.0	227
95	Information Release Control: A Learning-Based Architecture. Lecture Notes in Computer Science, 2005, , 176-198.	1.0	1
96	A System Prototype for Solving Multi-granularity Temporal CSP. Lecture Notes in Computer Science, 2005, , 142-156.	1.0	2
97	Reasoning with advanced policy rules and its application to access control. International Journal on Digital Libraries, 2004, 4, 156-170.	1.1	2
98	Towards Highly Adaptive Services for Mobile Computing. , 2004, , 121-134.		21
99	Provisions and Obligations in Policy Rule Management. Journal of Network and Systems Management, 2003, 11, 351-372.	3.3	51
100	A Learning-based Approach to Information Release Control. , 2003, , 83-105.		0
101	Deriving Abstract Views of Multi-granularity Temporal Constraint Networks. Lecture Notes in Computer Science, 2002, , 454-463.	1.0	1
102	Solving multi-granularity temporal constraint networks. Artificial Intelligence, 2002, 140, 107-152.	3.9	48
103	Temporal Reasoning in Workflow Systems. Distributed and Parallel Databases, 2002, 11, 269-306.	1.0	81
104	Research Issues and Trends in Spatial and Temporal Granularities. Annals of Mathematics and Artificial Intelligence, 2002, 36, 1-4.	0.9	4
105	Provisions and Obligations in Policy Management and Security Applications. , 2002, , 502-513.		70
106	Semantic Compression of Temporal Data. Lecture Notes in Computer Science, 2001, , 267-278.	1.0	5
107	Symbolic representation of user-defined time granularities. Annals of Mathematics and Artificial Intelligence, 2000, 30, 53-92.	0.9	30
108	Time Granularities in Databases, Data Mining, and Temporal Reasoning. , 2000, , .		180

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109	A general framework for time granularity and its application to temporal reasoning. Annals of Mathematics and Artificial Intelligence, 1998, 22, 29-58.	0.9	71
110	An access control model supporting periodicity constraints and temporal reasoning. ACM Transactions on Database Systems, 1998, 23, 231-285.	1.5	201
111	Temporal semantic assumptions and their use in databases. IEEE Transactions on Knowledge and Data Engineering, 1998, 10, 277-296.	4.0	30
112	Discovering frequent event patterns with multiple granularities in time sequences. IEEE Transactions on Knowledge and Data Engineering, 1998, 10, 222-237.	4.0	112
113	Logical design for temporal databases with multiple granularities. ACM Transactions on Database Systems, 1997, 22, 115-170.	1.5	88
114	Time-dependent concepts: representation and reasoning using temporal description logics. Data and Knowledge Engineering, 1997, 22, 1-38.	2.1	24
115	DECENTRALIZED ADMINISTRATION FOR A TEMPORAL ACCESS CONTROL MODEL. Information Systems, 1997, 22, 223-248.	2.4	10
116	A temporal access control mechanism for database systems. IEEE Transactions on Knowledge and Data Engineering, 1996, 8, 67-80.	4.0	92
117	Semantic assumptions and query evaluation in temporal databases. SIGMOD Record, 1995, 24, 257-268.	0.7	0
118	A temporal authorization model. , 1994, , .		28
119	The connection machine opportunity for the implementation of a concurrent functional language. Future Generation Computer Systems, 1992, 7, 231-245.	4.9	0
120	Free schedules for free agents in workflow systems. , 0, , .		4
121	Obligation monitoring in policy management. , 0, , .		41
122	Profile aggregation and policy evaluation for adaptive internet services. , 0, , .		17
123	An Efficient Algorithm for Minimizing Time Granularity Periodical Representations. , 0, , .		7
124	Experience Report: Ontological Reasoning for Context-aware Internet Services. , 0, , .		2