

Anupam Joshi

List of Publications by Year in descending order

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209
papers

6,958
citations

172457

29
h-index

155660

55
g-index

216
all docs

216
docs citations

216
times ranked

4445
citing authors

#	ARTICLE	IF	CITATIONS
1	ABATe: Automatic Behavioral Abstraction Technique to Detect Anomalies in Smart Cyber-Physical Systems. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1673-1686.	5.4	3
2	PriveTAB. , 2022, , .		6
3	Managing cybersecurity at the grassroots: Evidence from the first nationwide survey of local government cybersecurity. Journal of Urban Affairs, 2021, 43, 1173-1195.	1.7	16
4	Generating Fake Cyber Threat Intelligence Using Transformer-Based Models. , 2021, , .		24
5	A Policy-Driven Approach to Secure Extraction of COVID-19 Data From Research Papers. Frontiers in Big Data, 2021, 4, 701966.	2.9	6
6	The Effect of Text Ambiguity on creating Policy Knowledge Graphs. , 2021, , .		3
7	CyBERT: Contextualized Embeddings for the Cybersecurity Domain. , 2021, , .		14
8	Cybersecurity Knowledge Graph Improvement with Graph Neural Networks. , 2021, , .		2
9	Combating Fake Cyber Threat Intelligence using Provenance in Cybersecurity Knowledge Graphs. , 2021, , .		5
10	A Privacy Preserving Anomaly Detection Framework for Cooperative Smart Farming Ecosystem. , 2021, , .		6
11	Priority-Based Protection Against the Malicious Data Injection Attacks on State Estimation. IEEE Systems Journal, 2020, 14, 1945-1952.	4.6	12
12	NAttack! Adversarial Attacks to bypass a GAN based classifier trained to detect Network intrusion. , 2020, , .		26
13	Context Sensitive Access Control in Smart Home Environments. , 2020, , .		21
14	Ontologies and Artificial Intelligence Systems for the Cooperative Smart Farming Ecosystem. IEEE Access, 2020, 8, 164045-164064.	4.2	52
15	Knowledge Enrichment by Fusing Representations for Malware Threat Intelligence and Behavior. , 2020, , .		12
16	Creating Cybersecurity Knowledge Graphs From Malware After Action Reports. IEEE Access, 2020, 8, 211691-211703.	4.2	44
17	A Smart-Farming Ontology for Attribute Based Access Control. , 2020, , .		20
18	Cyber Attacks on Smart Farming Infrastructure. , 2020, , .		56

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19	A Comparative Study of Deep Learning based Named Entity Recognition Algorithms for Cybersecurity. , 2020, , .		13
20	YieldPredict: A Crop Yield Prediction Framework for Smart Farms. , 2020, , .		11
21	Secrecy Outage Performance of Cognitive Radio Network with Selection Combining at Eavesdropper. Recent Advances in Computer Science and Communications, 2020, 13, 987-998.	0.7	1
22	ViCLOUD: Measuring Vagueness in Cloud Service Privacy Policies and Terms of Services. , 2020, , .		4
23	Stackelberg game for price and power control in secure cooperative relay network. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 58-67.	3.3	1
24	Energy theft detection for AMI using principal component analysis based reconstructed data. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 179-185.	3.3	36
25	Anomaly Detection Models for Smart Home Security. , 2019, , .		38
26	Cyberattacks at the Grass Roots: American Local Governments and the Need for High Levels of Cybersecurity. Public Administration Review, 2019, 79, 895-904.	4.1	45
27	RelExt. , 2019, , .		55
28	Named Entity Recognition for Nepali Language. , 2019, , .		8
29	Preventing Poisoning Attacks On AI Based Threat Intelligence Systems. , 2019, , .		25
30	Security in Smart Cyber-Physical Systems: A Case Study on Smart Grids and Smart Cars. , 2019, , 147-163.		12
31	Preserving User Privacy and Security in Context-Aware Mobile Platforms. , 2019, , 1203-1230.		5
32	Preserving User Privacy and Security in Context-Aware Mobile Platforms. , 2019, , 408-434.		0
33	AI-based approach to identify compromised meters in data integrity attacks on smart grid. IET Generation, Transmission and Distribution, 2018, 12, 1052-1066.	2.5	62
34	Joint-Transformation-Based Detection of False Data Injection Attacks in Smart Grid. IEEE Transactions on Industrial Informatics, 2018, 14, 89-97.	11.3	113
35	Mining Threat Intelligence about Open-Source Projects and Libraries from Code Repository Issues and Bug Reports. , 2018, , .		24
36	DABr: Dynamic Attribute-based Reputation scoring for Malicious IP Address Detection. , 2018, , .		13

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37	Using Deep Neural Networks to Translate Multi-lingual Threat Intelligence. , 2018, , .		11
38	Minimizing Energy Theft by Statistical Distance based Theft Detector in AMI. , 2018, , .		2
39	Semantically Rich, Context Aware Access Control for Openstack. , 2018, , .		1
40	Early Detection of Cybersecurity Threats Using Collaborative Cognition. , 2018, , .		43
41	Cybersecurity at the Grassroots: American Local Governments and the Challenges of Internet Security. Journal of Homeland Security and Emergency Management, 2018, 15, .	0.5	21
42	Secrecy performance of threshold-based cognitive relay network with diversity combining. Journal of Communications and Networks, 2018, 20, 383-395.	2.6	9
43	CSI Knowledge Effect on Secrecy of Threshold-Based Underlay Cognitive Decode-and-Forward Relaying. , 2018, , .		0
44	Secrecy outage of threshold-based cooperative relay network with and without direct links. Eurasip Journal on Information Security, 2018, 2018, .	3.1	6
45	Secure Data Aggregation with Mean Field Extensive Game Theoretic Framework. , 2018, , .		0
46	Power Trading in Secure Cooperative Relay Network with Cournot Duopoly Model. , 2018, , .		0
47	Energy theft detection in advanced metering infrastructure. , 2018, , .		14
48	Entropy-based electricity theft detection in AMI network. IET Cyber-Physical Systems: Theory and Applications, 2018, 3, 99-105.	3.3	42
49	Bi-level modelling of false data injection attacks on security constrained optimal power flow. IET Generation, Transmission and Distribution, 2017, 11, 3586-3593.	2.5	33
50	Secrecy performance of threshold-based decode-and-forward cooperative cognitive radio network. IET Communications, 2017, 11, 1396-1406.	2.2	6
51	On detecting false data injection with limited network information using transformation based statistical techniques. , 2017, , .		8
52	App behavioral analysis using system calls. , 2017, , .		8
53	Secrecy outage performance of cooperative relay network with diversity combining. , 2017, , .		1
54	PCA based electricity theft detection in advanced metering infrastructure. , 2017, , .		20

#	ARTICLE	IF	CITATIONS
55	Secrecy outage of cooperative relay network with and without eavesdropper's direct link. , 2017, , .		0
56	Personalizing Context-Aware Access Control on Mobile Platforms. , 2017, , .		3
57	A Question and Answering System for Management of Cloud Service Level Agreements. , 2017, , .		4
58	Preserving User Privacy and Security in Context-Aware Mobile Platforms. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 166-193.	0.2	1
59	Context-Sensitive Policy Based Security in Internet of Things. , 2016, , .		11
60	Using semantic technologies to mine vehicular context for security. , 2016, , .		5
61	Semantic approach to automating management of big data privacy policies. , 2016, , .		19
62	Semantic Interpretation of Structured Log Files. , 2016, , .		12
63	CyberTwitter: Using Twitter to generate alerts for cybersecurity threats and vulnerabilities. , 2016, , .		102
64	A Data Driven Approach for the Science of Cyber Security: Challenges and Directions. , 2016, , .		23
65	Streamlining Management of Multiple Cloud Services. , 2016, , .		9
66	Bid Modification Attack in Smart Grid for Monetary Benefits. , 2016, , .		5
67	Capturing Policies for Fine-Grained Access Control on Mobile Devices. , 2016, , .		1
68	Representing Attribute Based Access Control Policies in OWL. , 2016, , .		22
69	Duopoly models for power trading in secure cooperative relay networks. , 2016, , .		0
70	Feasibility and mitigation of false data injection attacks in smart grid. , 2016, , .		9
71	Data integrity attack in smart grid: optimised attack to gain momentary economic profit. IET Generation, Transmission and Distribution, 2016, 10, 4032-4039.	2.5	24
72	OBDD_SecureAlert: An Anomaly Detection System for Vehicles. , 2016, , .		56

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73	Other times, other values: leveraging attribute history to link user profiles across online social networks. Social Network Analysis and Mining, 2016, 6, 1.	2.8	9
74	Automatic Extraction of Metrics from SLAs for Cloud Service Management. , 2016, , .		15
75	Visualization of Pain Severity Events in Clinical Records Using Semantic Structures. , 2016, , .		2
76	Detecting Botnets using a Collaborative Situational-aware IDPS. , 2016, , .		6
77	Parallelizing natural language techniques for knowledge extraction from cloud service level agreements. , 2015, , .		8
78	Other Times, Other Values. , 2015, , .		4
79	Querying RDF data with text annotated graphs. , 2015, , .		3
80	Entity Type Recognition for Heterogeneous Semantic Graphs. AI Magazine, 2015, 36, 75-86.	1.6	8
81	Platys: From Position to Place-Oriented Mobile Computing. AI Magazine, 2015, 36, 50-62.	1.6	8
82	SVM-CASE: An SVM-Based Context Aware Security Framework for Vehicular Ad-Hoc Networks. , 2015, , .		15
83	Rafiki: A Semantic and Collaborative Approach to Community Health-care in Underserved Areas. , 2014, , .		6
84	Interpreting medical tables as linked data for generating meta-analysis reports. , 2014, , .		1
85	Identification in Encrypted Wireless Networks Using Supervised Learning. , 2014, , .		2
86	Integrating domain knowledge in supervised machine learning to assess the risk of breast cancer. International Journal of Medical Engineering and Informatics, 2014, 6, 87.	0.3	9
87	Detection of Real-Time Intentions from Micro-blogs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 116-128.	0.3	1
88	CAST: Context-Aware Security and Trust framework for Mobile Ad-hoc Networks using policies. Distributed and Parallel Databases, 2013, 31, 353-376.	1.6	26
89	Detecting data exfiltration by integrating information across layers. , 2013, , .		2
90	Analyzing Close Friend Interactions in Social Media. , 2013, , .		7

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91	Improving Word Similarity by Augmenting PMI with Estimates of Word Polysemy. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1307-1322.	5.7	50
92	Extracting Cybersecurity Related Linked Data from Text. , 2013, , .		81
93	@i seek 'fb.me'. , 2013, , .		77
94	Combining smart phone and infrastructure sensors to improve security in enterprise settings. , 2013, , .		1
95	Faking Sandy. , 2013, , .		368
96	Semantic Message Passing for Generating Linked Data from Tables. Lecture Notes in Computer Science, 2013, , 363-378.	1.3	55
97	ACM HotMobile 2013 poster. Mobile Computing and Communications Review, 2013, 17, 34-35.	1.7	1
98	Finding associations among SNPS for prostate cancer using collaborative filtering. , 2012, , .		3
99	Detection of unsafe action from laparoscopic cholecystectomy video. , 2012, , .		6
100	Characterization of social media response to natural disasters. , 2012, , .		18
101	Schema-free structured querying of DBpedia data. , 2012, , .		10
102	Privacy Control in Smart Phones Using Semantically Rich Reasoning and Context Modeling. , 2012, , .		28
103	A Collaborative Approach to Situational Awareness for CyberSecurity. , 2012, , .		15
104	Securing Enterprise Data on Smartphones Using Run Time Information Flow Control. , 2012, , .		25
105	Identifying and characterizing user communities on Twitter during crisis events. , 2012, , .		26
106	A Knowledge-Based Approach to Intrusion Detection Modeling. , 2012, , .		58
107	Security Through Collaboration and Trust in MANETs. Mobile Networks and Applications, 2012, 17, 342-352.	3.3	50
108	A Domain Independent Framework for Extracting Linked Semantic Data from Tables. Lecture Notes in Computer Science, 2012, , 16-33.	1.3	22

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109	Managing and Securing Critical Infrastructure – A Semantic Policy- and Trust-Driven Approach. , 2012, , 551-571.		0
110	CARE-CPS: Context-Aware Trust Evaluation for Wireless Networks in Cyber-Physical System Using Policies. , 2011, , .		8
111	Extracting Information about Security Vulnerabilities from Web Text. , 2011, , .		73
112	Content-Based Prediction of Temporal Boundaries for Events in Twitter. , 2011, , .		12
113	Managing the Quality of Virtualized Services. , 2011, , .		14
114	ATM: Automated Trust Management for Mobile Ad Hoc Networks Using Support Vector Machine. , 2011, , .		4
115	Preserving Privacy in Context-Aware Systems. , 2011, , .		26
116	Integrating linked open data with unstructured text for intelligence gathering tasks. , 2011, , .		6
117	Enforcing security in semantics driven policy based networks. Computer Standards and Interfaces, 2011, 33, 2-12.	5.4	2
118	SAT: an SVM-based automated trust management system for Mobile Ad-hoc Networks. , 2011, , .		13
119	Information Integration and Analysis: A Semantic Approach to Privacy. , 2011, , .		1
120	Two-stream indexing for spoken web search. , 2011, , .		3
121	A declarative approach for secure and robust routing. , 2010, , .		2
122	Highly scalable parallel collaborative filtering algorithm. , 2010, , .		11
123	A probabilistic approach to distributed system management. , 2010, , .		0
124	Enforcing secure and robust routing with declarative policies. , 2010, , .		2
125	Coping with Node Misbehaviors in Ad Hoc Networks: A Multi-dimensional Trust Management Approach. , 2010, , .		42
126	Towards a Declarative Framework for Managing Application and Network Adaptations. , 2009, , .		0

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127	Improving binary classification on text problems using differential word features. , 2009, , .		18
128	Outlier Detection in Ad Hoc Networks Using Dempster-Shafer Theory. , 2009, , .		33
129	Policy-Based Malicious Peer Detection in Ad Hoc Networks. , 2009, , .		7
130	Assured Information Sharing Life Cycle. , 2009, , .		3
131	User interests in social media sites. , 2009, , .		38
132	Security through Collaboration in MANETs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 696-714.	0.3	7
133	Social ties and their relevance to churn in mobile telecom networks. , 2008, , .		179
134	Enforcing security in semantics driven policy based networks. , 2008, , .		3
135	Utilizing semantic policies for managing BGP route dissemination. , 2008, , .		8
136	Analyzing the Structure and Evolution of Massive Telecom Graphs. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 703-718.	5.7	72
137	Scalable semantic analytics on social networks for addressing the problem of conflict of interest detection. ACM Transactions on the Web, 2008, 2, 1-29.	2.5	29
138	Query distribution estimation and predictive caching in mobile ad hoc networks. , 2008, , .		4
139	Security policies and trust in ubiquitous computing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3769-3780.	3.4	14
140	The Information Ecology of Social Media and Online Communities. AI Magazine, 2008, 29, 77-92.	1.6	32
141	RDF123: From Spreadsheets to RDF. Lecture Notes in Computer Science, 2008, , 451-466.	1.3	78
142	Utilizing Semantic Tags for Policy Based Networking. , 2007, , .		10
143	Using a Natural Language Understanding System to Generate Semantic Web Content. International Journal on Semantic Web and Information Systems, 2007, 3, 50-74.	5.1	28
144	A Pervasive Computing System for the Operating Room of the Future. Mobile Networks and Applications, 2007, 12, 215-228.	3.3	87

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145	A Data Intensive Reputation Management Scheme for Vehicular Ad Hoc Networks. , 2006, , .		25
146	A Data Intensive Reputation Management Scheme for Vehicular Ad Hoc Networks. , 2006, , .		23
147	Integrating service discovery with routing and session management for ad-hoc networks. Ad Hoc Networks, 2006, 4, 204-224.	5.5	25
148	Querying in Packs: Trustworthy Data Management in Ad Hoc Networks. International Journal of Wireless Information Networks, 2006, 13, 263-274.	2.7	12
149	A framework for specification and performance evaluation of service discovery protocols in mobile ad-hoc networks. Ad Hoc Networks, 2006, 4, 1-23.	5.5	3
150	Security and Privacy Challenges in Open and Dynamic Environments. Computer, 2006, 39, 89-91.	1.1	15
151	Semantic analytics on social networks. , 2006, , .		90
152	On the structural properties of massive telecom call graphs. , 2006, , .		112
153	Collaborative joins in a pervasive computing environment. VLDB Journal, 2005, 14, 182-196.	4.1	8
154	Using incremental Web log mining to create adaptive web servers. International Journal on Digital Libraries, 2005, 5, 133-150.	1.5	6
155	Service Composition for Mobile Environments. Mobile Networks and Applications, 2005, 10, 435-451.	3.3	112
156	Finding and Ranking Knowledge on the Semantic Web. Lecture Notes in Computer Science, 2005, , 156-170.	1.3	143
157	Social networking on the semantic web. Learning Organization, 2005, 12, 418-435.	1.4	80
158	The SOUPA Ontology for Pervasive Computing. , 2005, , 233-258.		98
159	Towards Agent-Based Grid-Enabled and Sensor-Driven Fire Dynamics Simulation Harnessed Over Bluetooth and Wi-Fi Devices. , 2005, , .		2
160	Orthogonal Decision Trees for Resource-Constrained Physiological Data Stream Monitoring Using Mobile Devices. Lecture Notes in Computer Science, 2005, , 118-127.	1.3	2
161	Security for Wireless Sensor Networks. , 2004, , 253-275.		22
162	Service Discovery in Agent-Based Pervasive Computing Environments. Mobile Networks and Applications, 2004, 9, 679-692.	3.3	29

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163	Intelligent agents meet the semantic Web in smart spaces. IEEE Internet Computing, 2004, 8, 69-79.	3.3	221
164	Swoogle. , 2004, , .		509
165	Agent-Based Simulation of Data-Driven Fire Propagation Dynamics. Lecture Notes in Computer Science, 2004, , 732-739.	1.3	16
166	Data and Services for Mobile Computing. Chapman & Hall/CRC Computer and Information Science Series, 2004, , .	0.4	1
167	On Using a Warehouse to Analyze Web Logs. Distributed and Parallel Databases, 2003, 13, 161-180.	1.6	36
168	Secure sensor networks for perimeter protection. Computer Networks, 2003, 43, 421-435.	5.1	24
169	eNcentive. , 2003, , .		32
170	An ontology for context-aware pervasive computing environments. Knowledge Engineering Review, 2003, 18, 197-207.	2.6	590
171	A Secure Infrastructure for Service Discovery and Access in Pervasive Computing. Mobile Networks and Applications, 2003, 8, 113-125.	3.3	26
172	Modeling Computer Attacks: An Ontology for Intrusion Detection. Lecture Notes in Computer Science, 2003, , 113-135.	1.3	108
173	A Policy Based Approach to Security for the Semantic Web. Lecture Notes in Computer Science, 2003, , 402-418.	1.3	163
174	Using DAML+OIL to classify intrusive behaviours. Knowledge Engineering Review, 2003, 18, 221-241.	2.6	14
175	Neighborhood-Consistent Transaction Management for Pervasive Computing Environments. Lecture Notes in Computer Science, 2003, , 276-286.	1.3	4
176	Creating Context-Aware Software Agents. Lecture Notes in Computer Science, 2003, , 186-197.	1.3	11
177	Agent Communication in DAML World. Lecture Notes in Computer Science, 2003, , 347-354.	1.3	5
178	Agents Making Sense of the Semantic Web. Lecture Notes in Computer Science, 2003, , 417-433.	1.3	7
179	INTELLIGENT AGENTS FOR MOBILE AND EMBEDDED DEVICES. International Journal of Cooperative Information Systems, 2002, 11, 205-230.	0.8	4
180	P2P M-commerce in pervasive environments. , 2002, 3, 1-9.		13

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181	Agents, trust, and information access on the semantic web. SIGMOD Record, 2002, 31, 30-35.	1.2	37
182	Information retrieval on the semantic web. , 2002, , .		93
183	On experiments with a transport protocol for pervasive computing environments. Computer Networks, 2002, 40, 515-535.	5.1	7
184	Centaurus: An Infrastructure for Service Management in Ubiquitous Computing Environments. Wireless Networks, 2002, 8, 619-635.	3.0	16
185	Me-Services: A Framework for Secure & Personalized Discovery, Composition and Management of Services in Pervasive Environments. Lecture Notes in Computer Science, 2002, , 248-259.	1.3	3
186	Retriever. , 2002, , 59-81.		19
187	Adaptive Multimedia System Architecture for Improving QoS in Wireless Networks. Lecture Notes in Computer Science, 2002, , 712-719.	1.3	3
188	Agents, Mobility, and M-services: Creating the Next Generation Applications and Infrastructure on Mobile Ad-Hoc Networks. Lecture Notes in Computer Science, 2002, , 106-118.	1.3	2
189	<title>Fast and effective wireless handoff scheme using forwarding pointers and hierarchical foreign agents</title>. , 2001, , .		1
190	Dynamic Service Discovery for Mobile Computing: Intelligent Agents Meet Jini in the Aether. Cluster Computing, 2001, 4, 343-354.	5.0	40
191	Agents2Go. , 2001, , .		22
192	Information Agents for Mobile and Embedded Devices. Lecture Notes in Computer Science, 2001, , 264-286.	1.3	14
193	ITTALKS: An application of agents in the Semantic Web. Lecture Notes in Computer Science, 2001, , 175-193.	1.3	2
194	The traveling salesman problem: A hierarchical model. Memory and Cognition, 2000, 28, 1191-1204.	1.6	105
195	On proxy agents, mobility, and web access. Mobile Networks and Applications, 2000, 5, 233-241.	3.3	44
196	EXTRACTING WEB USER PROFILES USING RELATIONAL COMPETITIVE FUZZY CLUSTERING. International Journal on Artificial Intelligence Tools, 2000, 09, 509-526.	1.0	99
197	Multiagent Recommender Systems in Networked Scientific Computing. , 2000, , 213-223.		0
198	Multiagent systems on the net. Communications of the ACM, 1999, 42, 38-40.	4.5	28

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199	Warehousing and mining Web logs. , 1999, , .		29
200	Scene change detection techniques for video database systems. Multimedia Systems, 1998, 6, 186-195.	4.7	72
201	Multidisciplinary Problem-Solving Environments for Computational Science. Advances in Computers, 1998, , 401-438.	1.6	5
202	Multi-agent simulation of complex heterogeneous models in scientific computing. Mathematics and Computers in Simulation, 1997, 44, 43-59.	4.4	6
203	PYTHIA. ACM Transactions on Mathematical Software, 1996, 22, 447-468.	2.9	47
204	To learn or not to learn Lecture Notes in Computer Science, 1996, , 127-139.	1.3	6
205	On correspondence, line tokens and missing tokens. Pattern Recognition, 1995, 28, 1751-1764.	8.1	3
206	Correspondence problem in image sequence analysis. Pattern Recognition, 1993, 26, 47-61.	8.1	21
207	Backpropagation learns Marr's operator. Biological Cybernetics, 1993, 70, 65-73.	1.3	4
208	Centaurus: a framework for intelligent services in a mobile environment. , 0, , .		37
209	A policy language for a pervasive computing environment. , 0, , .		257