

# Tim Finin

## List of Publications by Year in descending order

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74  
papers

2,871  
citations

471509  
17  
h-index

330143  
37  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delegated Authorization Framework for EHR Services Using Attribute-Based Encryption. IEEE Transactions on Services Computing, 2021, 14, 1612-1623.	4.6	12
2	Understanding Cybersecurity Threat Trends Through Dynamic Topic Modeling. Frontiers in Big Data, 2021, 4, 601529.	2.9	3
3	Generating Fake Cyber Threat Intelligence Using Transformer-Based Models. , 2021, , .		24
4	Multi-qubit correction for quantum annealers. Scientific Reports, 2021, 11, 16119.	3.3	15
5	A BERT Based Approach to Measure Web Services Policies Compliance With GDPR. IEEE Access, 2021, 9, 148004-148016.	4.2	7
6	CyBERT: Contextualized Embeddings for the Cybersecurity Domain. , 2021, , .		14
7	Creating Cybersecurity Knowledge Graphs From Malware After Action Reports. IEEE Access, 2020, 8, 211691-211703.	4.2	44
8	Reinforcement Quantum Annealing: A Hybrid Quantum Learning Automata. Scientific Reports, 2020, 10, 7952.	3.3	31
9	Extracting Rich Semantic Information about Cybersecurity Events. , 2019, , .		6
10	Preserving User Privacy and Security in Context-Aware Mobile Platforms. , 2019, , 1203-1230.		5
11	Preserving User Privacy and Security in Context-Aware Mobile Platforms. , 2019, , 408-434.		0
12	Early Detection of Cybersecurity Threats Using Collaborative Cognition. , 2018, , .		43
13	Semantically Rich, Oblivious Access Control Using ABAC for Secure Cloud Storage. , 2017, , .		12
14	App behavioral analysis using system calls. , 2017, , .		8
15	Personalizing Context-Aware Access Control on Mobile Platforms. , 2017, , .		3
16	Preserving User Privacy and Security in Context-Aware Mobile Platforms. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 166-193.	0.2	1
17	Semantic Interpretation of Structured Log Files. , 2016, , .		12
18	A Data Driven Approach for the Science of Cyber Security: Challenges and Directions. , 2016, , .		23

#	ARTICLE	IF	CITATIONS
19	Capturing Policies for Fine-Grained Access Control on Mobile Devices. , 2016, , .		1
20	Inferring relations in knowledge graphs with tensor decompositions. , 2016, , .		4
21	Entity Type Recognition for Heterogeneous Semantic Graphs. AI Magazine, 2015, 36, 75-86.	1.6	8
22	Platys: From Position to Place-Oriented Mobile Computing. AI Magazine, 2015, 36, 50-62.	1.6	8
23	Automating Cloud Services Life Cycle through Semantic Technologies. IEEE Transactions on Services Computing, 2014, 7, 109-122.	4.6	50
24	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
25	Detecting data exfiltration by integrating information across layers. , 2013, , .		2
26	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
27	Extracting Cybersecurity Related Linked Data from Text. , 2013, , .		81
28	Type Prediction for Efficient Coreference Resolution in Heterogeneous Semantic Graphs. , 2013, , .		21
29	A policy-based cloud broker for the VCL platform. International Journal of Cloud Computing, 2013, 2, 288.	0.3	0
30	ACM HotMobile 2013 poster. Mobile Computing and Communications Review, 2013, 17, 34-35.	1.7	1
31	A Collaborative Approach to Situational Awareness for CyberSecurity. , 2012, , .		15
32	A Knowledge-Based Approach to Intrusion Detection Modeling. , 2012, , .		58
33	Reports of the AAAI 2011 Fall Symposia. AI Magazine, 2012, 33, 71-78.	1.6	0
34	David L Waltz, in Memoriam. AI Magazine, 2012, 33, 19.	1.6	0
35	CARE-CPS: Context-Aware Trust Evaluation for Wireless Networks in Cyber-Physical System Using Policies. , 2011, , .		8
36	Extracting Information about Security Vulnerabilities from Web Text. , 2011, , .		73

#	ARTICLE	IF	CITATIONS
37	Content-Based Prediction of Temporal Boundaries for Events in Twitter. , 2011, , .		12
38	ATM: Automated Trust Management for Mobile Ad Hoc Networks Using Support Vector Machine. , 2011, , .		4
39	Preserving Privacy in Context-Aware Systems. , 2011, , .		26
40	Enforcing security in semantics driven policy based networks. Computer Standards and Interfaces, 2011, 33, 2-12.	5.4	2
41	How is the Semantic Web evolving? A dynamic social network perspective. Computers in Human Behavior, 2011, 27, 1294-1302.	8.5	38
42	SAT: an SVM-based automated trust management system for Mobile Ad-hoc Networks. , 2011, , .		13
43	Enforcing secure and robust routing with declarative policies. , 2010, , .		2
44	Coping with Node Misbehaviors in Ad Hoc Networks: A Multi-dimensional Trust Management Approach. , 2010, , .		42
45	Policy-Based Malicious Peer Detection in Ad Hoc Networks. , 2009, , .		7
46	Enforcing security in semantics driven policy based networks. , 2008, , .		3
47	The Information Ecology of Social Media and Online Communities. AI Magazine, 2008, 29, 77-92.	1.6	32
48	A Pervasive Computing System for the Operating Room of the Future. Mobile Networks and Applications, 2007, 12, 215-228.	3.3	87
49	Modeling conversation policies using permissions and obligations. Autonomous Agents and Multi-Agent Systems, 2007, 14, 187-206.	2.1	35
50	A Data Intensive Reputation Management Scheme for Vehicular Ad Hoc Networks. , 2006, , .		25
51	A Data Intensive Reputation Management Scheme for Vehicular Ad Hoc Networks. , 2006, , .		23
52	Report on the Models of Trust for the Web workshop (MTW'06). SIGMOD Record, 2006, 35, 54-56.	1.2	1
53	Querying in Packs: Trustworthy Data Management in Ad Hoc Networks. International Journal of Wireless Information Networks, 2006, 13, 263-274.	2.7	12
54	Semantic analytics on social networks. , 2006, , .		90

#	ARTICLE	IF	CITATIONS
55	Security in the Semantic Web using OWL. Information Security Technical Report, 2005, 10, 51-58.	1.3	52
56	Collaborative joins in a pervasive computing environment. VLDB Journal, 2005, 14, 182-196.	4.1	8
57	Service Composition for Mobile Environments. Mobile Networks and Applications, 2005, 10, 435-451.	3.3	112
58	Social networking on the semantic web. Learning Organization, 2005, 12, 418-435.	1.4	80
59	The SOUPA Ontology for Pervasive Computing. , 2005, , 233-258.		98
60	Swoogle. , 2004, , .		509
61	An ontology for context-aware pervasive computing environments. Knowledge Engineering Review, 2003, 18, 197-207.	2.6	590
62	Using DAML+OIL to classify intrusive behaviours. Knowledge Engineering Review, 2003, 18, 221-241.	2.6	14
63	Introduction to the special issue on ontologies in agent systems. Knowledge Engineering Review, 2002, 17, 1-5.	2.6	4
64	INTELLIGENT AGENTS FOR MOBILE AND EMBEDDED DEVICES. International Journal of Cooperative Information Systems, 2002, 11, 205-230.	0.8	4
65	Agents, trust, and information access on the semantic web. SIGMOD Record, 2002, 31, 30-35.	1.2	37
66	Information retrieval on the semantic web. , 2002, , .		93
67	Centaurus: An Infrastructure for Service Management in Ubiquitous Computing Environments. Wireless Networks, 2002, 8, 619-635.	3.0	16
68	Dynamic Service Discovery for Mobile Computing: Intelligent Agents Meet Jini in the Aether. Cluster Computing, 2001, 4, 343-354.	5.0	40
69	Task integration in multimodal speech recognition environments. Xrds, 1997, 3, 19-22.	0.3	6
70	The KERNEL text understanding system. Artificial Intelligence, 1993, 63, 17-68.	5.8	22
71	Meta-interpreters for rule-based inference under uncertainty. Decision Support Systems, 1990, 6, 165-181.	5.9	8
72	CHARACTERIZING KNOWLEDGE DEPTH IN INTELLIGENT SAFETY SYSTEMS. Applied Artificial Intelligence, 1989, 3, 129-142.	3.2	1

#	ARTICLE	IF	CITATIONS
73	The role of user models in cooperative interactive systems. International Journal of Intelligent Systems, 1989, 4, 81-112.	5.7	32
74	General User Modelling. ACM SIGCHI Bulletin, 1988, 20, 76.	0.1	3