Aikaterini Mitrokotsa

List of Publications by Year
in descending order

42 papers	1,238 citations	686830 13 h-index	476904 29 g-index
43 all docs	43 docs citations	43 times ranked	1024 citing authors

#	Article	IF	Citations
1	DDoS attacks and defense mechanisms: classification and state-of-the-art. Computer Networks, 2004, 44, 643-666.	3.2	502
2	Classifying RFID attacks and defenses. Information Systems Frontiers, 2010, 12, 491-505.	4.1	188
3	A comprehensive RFID solution to enhance inpatient medication safety. International Journal of Medical Informatics, 2011, 80, 13-24.	1.6	103
4	Intrusion detection in MANET using classification algorithms: The effects of cost and model selection. Ad Hoc Networks, 2013, 11, 226-237.	3.4	76
5	Evaluation of classification algorithms for intrusion detection in MANETs. Knowledge-Based Systems, 2012, 36, 217-225.	4.0	30
6	Secure and Lightweight Distance-Bounding. Lecture Notes in Computer Science, 2013, , 97-113.	1.0	30
7	Intrusion Detection with Neural Networks and Watermarking Techniques for MANET. , 2007, , .		27
8	Practical and provably secure distance-bounding. Journal of Computer Security, 2015, 23, 229-257.	0.5	27
9	Reid et al.'s distance bounding protocol and mafia fraud attacks over noisy channels. IEEE Communications Letters, 2010, 14, 121-123.	2.5	26
10	Towards Secure Distance Bounding. Lecture Notes in Computer Science, 2014, , 55-67.	1.0	24
11	Tangible security: Survey of methods supporting secure ad-hoc connects of edge devices with physical context. Computers and Security, 2018, 78, 281-300.	4.0	16
12	Two-Hop Distance-Bounding Protocols: Keep Your Friends Close. IEEE Transactions on Mobile Computing, 2018, 17, 1723-1736.	3.9	16
13	Location leakage in distance bounding: Why location privacy does not work. Computers and Security, 2014, 45, 199-209.	4.0	13
14	Intrusion Detection in Mobile Ad Hoc Networks Using Classification Algorithms. International Federation for Information Processing, 2008, , 133-144.	0.4	12
15	Mafia fraud attack against the RČ Distance-Bounding Protocol. , 2012, , .		11
16	Using Distance-Bounding Protocols to Securely Verify the Proximity of Two-Hop Neighbours. IEEE Communications Letters, 2015, 19, 1173-1176.	2.5	11
17	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mstyle mathvariant="sans-serif"><mml:mi>HB</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup><mml:mrow></mml:mrow></mml:mstyle mathvariant="sans-serif"><mml:mi>DB</mml:mi></mml:mstyle></mml:math>: Distance bounding meets human based authentication. Future Generation Computer Systems, 2018, 80, 627-639.	4.9	11
18	VIVO: A secure, privacy-preserving, and real-time crowd-sensing framework for the Internet of Things. Pervasive and Mobile Computing, 2018, 49, 126-138.	2.1	11

#	Article	IF	Citations
19	Expected loss bounds for authentication in constrained channels. , 2012, , .		9
20	Weaknesses in another Gen2-based RFID authentication protocol. , 2012, , .		7
21	Distance-Bounding Protocols: Are You Close Enough?. IEEE Security and Privacy, 2015, 13, 47-51.	1.5	6
22	Multiâ€key homomorphic authenticators. IET Information Security, 2019, 13, 618-638.	1.1	6
23	Integrated RFID and Sensor Networks. Wireless Networks and Mobile Communications, 2009, , 511-535.	1.0	6
24	On the traceability of tags in SUAP RFID authentication protocols. , 2012, , .		5
25	Expected loss analysis for authentication in constrained channels. Journal of Computer Security, 2015, 23, 309-329.	0.5	5
26	Practical and Provably Secure Distributed Aggregation: Verifiable Additive Homomorphic Secret Sharing. Cryptography, 2020, 4, 25.	1.4	5
27	Homomorphic signcryption with public plaintextâ€result checkability. IET Information Security, 2021, 15, 333-350.	1.1	5
28	Threats to Networked RFID Systems. , 2011, , 39-63.		5
29	User-driven RFID applications and challenges. Personal and Ubiquitous Computing, 2012, 16, 223-224.	1.9	4
30	HB+DB, mitigating man-in-the-middle attacks against HB+ with distance bounding. , 2015, , .		4
31	Decentralised Functional Signatures. Mobile Networks and Applications, 2019, 24, 934-946.	2.2	4
32	Statically Aggregate Verifiable Random Functions and Application to E-Lottery. Cryptography, 2020, 4, 37.	1.4	3
33	Statistical Decision Making for Authentication and Intrusion Detection. , 2009, , .		2
34	Detecting intrusions within RFID systems through non-monotonic reasoning cleaning. , 2010, , .		2
35	Grouping-Proof-Distance-Bounding Protocols: Keep all your friends close. IEEE Communications Letters, 2016, , 1-1.	2.5	2
36	Authentication in Constrained Settings. Lecture Notes in Computer Science, 2015, , 3-12.	1.0	1

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37	Distributed Pseudorandom Functions for General Access Structures in NP. Lecture Notes in Computer Science, 2018, , 81-87.	1.0	1
38	Guest Editors' Introduction: Special Section on Learning, Games, and Security. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 449-450.	3.7	0
39	Near-optimal blacklisting. Computers and Security, 2017, 64, 110-121.	4.0	0
40	Revisiting Two-Hop Distance-Bounding Protocols: Are You Really Close Enough?. Lecture Notes in Computer Science, 2018, , 177-188.	1.0	0
41	Robust Distributed Pseudorandom Functions for mNP Access Structures. Lecture Notes in Computer Science, 2019, , 107-126.	1.0	0
42	Differential Privacy meets Verifiable Computation: Achieving Strong Privacy and Integrity Guarantees. , 2019, , .		0