Miguel Soriano Ibáñez

List of Publications by Year
in descending order

91 papers	601 citations	623734 14 h-index	794594 19 g-index
95 all docs	95 docs citations	95 times ranked	433 citing authors

#	Article	IF	Citations
1	Secure Lossless Aggregation Over Fading and Shadowing Channels for Smart Grid M2M Networks. IEEE Transactions on Smart Grid, 2011, 2, 844-864.	9.0	37
2	Providing k-anonymity and revocation in ubiquitous VANETs. Ad Hoc Networks, 2016, 36, 482-494.	5.5	31
3	Certificate revocation system implementation based on the Merkle hash tree. International Journal of Information Security, 2004, 2, 110-124.	3.4	28
4	A new cross-layer attack to TCP in cognitive radio networks. , 2009, , .		25
5	Cooperative detection of primary user emulation attacks in CRNs. Computer Networks, 2012, 56, 3374-3384.	5.1	25
6	Secure brokerage mechanisms for mobile electronic commerce. Computer Communications, 2006, 29, 2308-2321.	5.1	23
7	Modeling the Lion Attack in Cognitive Radio Networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	23
8	An algorithm for k-anonymous microaggregation and clustering inspired by the design of distortion-optimized quantizers. Data and Knowledge Engineering, 2011, 70, 892-921.	3.4	22
9	A security and usability proposal for mobile electronic commerce. , 2002, 40, 62-67.		21
10	Host Revocation Authority: A Way of Protecting Mobile Agents from Malicious Hosts. Lecture Notes in Computer Science, 2003, , 289-292.	1.3	20
11	DocCloud: A document recommender system on cloud computing with plausible deniability. Information Sciences, 2014, 258, 387-402.	6.9	19
12	Mobile Agent Watermarking and Fingerprinting: Tracing Malicious Hosts. Lecture Notes in Computer Science, 2003, , 927-936.	1.3	18
13	Reconciling privacy and efficient utility management in smart cities. Transactions on Emerging Telecommunications Technologies, 2014, 25, 94-108.	3.9	18
14	Identification of Traitors in Algebraic-Geometric Traceability Codes. IEEE Transactions on Signal Processing, 2004, 52, 3073-3077.	5.3	15
15	p-Probabilistic k-anonymous microaggregation for the anonymization of surveys with uncertain participation. Information Sciences, 2017, 382-383, 388-414.	6.9	14
16	Efficient k-anonymous microaggregation of multivariate numerical data via principal component analysis. Information Sciences, 2019, 503, 417-443.	6.9	14
17	Soft-decision tracing in fingerprinted multimedia content. IEEE MultiMedia, 2004, 11, 38-47.	1.7	13
18	Improved LKH for batch rekeying in multicast groups. , 2003, , .		11

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19	A protocol for detecting malicious hosts based on limiting the execution time of mobile agents. , 0, , .		11
20	Design of a P2P content recommendation system using affinity networks. Computer Communications, 2012, 36, 90-104.	5.1	9
21	New voter verification scheme using pre-encrypted ballots. Computer Communications, 2009, 32, 1219-1227.	5.1	8
22	An infrastructure for detecting and punishing malicious hosts using mobile agent watermarking. Wireless Communications and Mobile Computing, 2011, 11, 1446-1462.	1.2	8
23	Attribute-based authorization for structured Peer-to-Peer (P2P) networks. Computer Standards and Interfaces, 2015, 42, 71-83.	5.4	8
24	k-Anonymous microaggregation with preservation of statistical dependence. Information Sciences, 2016, 342, 1-23.	6.9	8
25	GKM over large MANET. , 0, , .		7
26	Secure data transmission in extended Ethernet environments. IEEE Journal on Selected Areas in Communications, 1993, 11, 794-803.	14.0	6
27	Stream ciphers based on NLFSR. , 0, , .		6
28	Interpretation of Binary Strings as Security Protocols for their Evolution by means of Genetic Algorithms. , 2007, , .		6
29	Tracing illegal redistribution using errors-and-erasures and side information decoding algorithms. IET Information Security, 2007, 1, 83.	1.7	6
30	A note about the identifier parent property in Reed-Solomon codes. Computers and Security, 2010, 29, 628-635.	6.0	6
31	Algorithm to decode â€˜identifiable parent propertyâ€™ codes. Electronics Letters, 2002, 38, 552.	1.0	5
32	Protecting mobile agents by using traceability techniques. , 2003, , .		5
33	Detecting and Proving Manipulation Attacks in Mobile Agent Systems. Lecture Notes in Computer Science, 2004, , 224-233.	1.3	5
34	Optimizing energy-efficiency of PHY-Layer authentication in machine-to-machine networks. , 2012, , .		5
35	Implementation and Performance Evaluation of a Protocol for Detecting Suspicious Hosts. Lecture Notes in Computer Science, 2003, , 286-295.	1.3	5
36	A software design and implementation for filtering, forwarding and ciphering in a secure bridge. , 0, , .		4

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37	Evaluation Function for Synthesizing Security Protocols by means of Genetic Algorithms. , 2007, , .		4
38	Traitor tracing over YouTube video serviceâ€"proof of concept. Telecommunication Systems, 2010, 45, 47-60.	2.5	4
39	Incremental <inline-formula> <tex-math notation="LaTeX">k </tex-math> </inline-formula>-Anonymous Microaggregation in Large-Scale Electronic Surveys With Optimized Scheduling. IEEE Access, 2018, 6, 60016-60044.	4.2	4
40	CERVANTES â€" A Certificate Validation Test-Bed. Lecture Notes in Computer Science, 2004, , 28-42.	1.3	4
41	On the relationship between the traceability properties of Reed-Solomon codes. Advances in Mathematics of Communications, 2012, 6, 467-478.	0.7	4
42	A Certificate Status Checking Protocol for the Authenticated Dictionary. Lecture Notes in Computer Science, 2003, , 255-266.	1.3	4
43	Spreading Codes Generator for Wireless CDMA Networks. Wireless Personal Communications, 1998, 7, 69-88.	2.7	3
44	Practical asymmetric fingerprinting with a TTP. , 0, , .		3
45	Multimedia Copyright Protection Platform Demonstrator. Lecture Notes in Computer Science, 2005, , 411-414.	1.3	3
46	Providing security services in a multiprotocol service discovery system for ubiquitous networks. , 2006, , .		3
47	Punishing malicious hosts with the cryptographic traces approach. New Generation Computing, 2006, 24, 351-376.	3.3	3
48	Robust detection of primary user emulation attacks in IEEE 802.22 networks. , 2011, , .		3
49	Decentralized certification scheme for secure admission in on-the-fly peer-to-peer systems. Peer-to-Peer Networking and Applications, 2012, 5, 105-124.	3.9	3
50	WiMAX-based robust localization in the presence of misbehaving and/or malicious base stations. Computers and Electrical Engineering, 2013, 39, 2318-2329.	4.8	3
51	Fingerprinting Schemes. Identifying the Guilty Sources Using Side Information. Lecture Notes in Computer Science, 2005, , 231-243.	1.3	3
52	A Practical Solution for Distribution Rights Protection in Multicast Environments. Lecture Notes in Computer Science, 2006, , 527-536.	1.3	3
53	Decoding codes with the identifiable parent property. , 0, , .		2
54	Mobile Digital Rights Management: Security Requirements and Copy Detection Mechanisms. , 0, , .		2

#	ARTICLE	IF	CITATIONS
55	A class of nonâ€linear asymptotic fingerprinting codes with Îµâ€error. Online Information Review, 2007, 31, 22-37.	3.2	2
56	A note on the equivalence of the traceability properties of Reed-Solomon codes for certain coalition sizes. , 2009, , .		2
57	Identifying Traitors Using the Koetterâ€"Vardy Algorithm. IEEE Transactions on Information Theory, 2011, 57, 692-704.	2.4	2
58	Private Location-Based Information Retrieval via k-Anonymous Clustering. , 2010, , 421-430.		2
59	A Note About the Traceability Properties of Linear Codes. , 2007, , 251-258.		2
60	On the IPP Properties of Reed-Solomon Codes. IFIP Advances in Information and Communication Technology, 2009, , 87-97.	0.7	2
61	Improvement of Collusion Secure Convolutional Fingerprinting Information Codes. Lecture Notes in Computer Science, 2009, , 76-88.	1.3	2
62	Protecting Intellectual Property by Guessing Secrets. Lecture Notes in Computer Science, 2003, , 196-205.	1.3	1
63	Protocols for Malicious Host Revocation. Lecture Notes in Computer Science, 2003, , 191-201.	1.3	1
64	Efficient recovery of secrets. , 2004, , .		1
65	New multi-channel voting scheme: towards remote e-voting over the internet. International Journal of Electronic Governance, 2008, 1, 155.	0.2	1
66	Private Audio Streaming for an Automated Phone Assistance System. , 2011, , .		1
67	Using Informed Coding and Informed Embedding to Design Robust Fingerprinting Embedding Systems. , 2007, , 992-999.		1
68	Securing Identity Assignment Using Implicit Certificates in P2P Overlays. IFIP Advances in Information and Communication Technology, 2013, , 151-165.	0.7	1
69	Providing Security Services in a Resource Discovery System. Journal of Networks, 2007, 2, .	0.4	1
70	Tracing Traitors by Guessing Secrets. The q-Ary Case. Lecture Notes in Computer Science, 2005, , 61-73.	1.3	1
71	New Considerations about the Correct Design of Turbo Fingerprinting Codes. Lecture Notes in Computer Science, 2008, , 501-516.	1.3	1
72	Securing Agents against Malicious Host in an Intrusion Detection System. Lecture Notes in Computer Science, 2008, , 94-105.	1.3	1

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73	Protection of Mobile Agents Execution Using a Modified Self-Validating Branch-Based Software Watermarking with External Sentinel. Lecture Notes in Computer Science, 2009, , 287-294.	1.3	1
74	Distributed Group Security for Wireless Sensor Networks. , 0, , 310-333.		1
75	Soft-decision decoding of traceability codes. , 0, , .		0
76	Efficient identification of traitors in fingerprinted multimedia contents. , 0, , .		0
77	Evaluation of revocation systems with a Java test-bed. , 2003, , .		0
78	A generalization of traceability codes using ideal-based codes. , 0, , .		0
79	Practical Scenarios for the Van Trung-Martirosyan Codes. Lecture Notes in Computer Science, 2005, , 624-633.	1.3	0
80	Decentralized and Scalable Group Key Management Algorithm for Large Ad-Hoc Groups. , 2006, , .		0
81	Multicast Copyright Protection System Based on a Trusted Soft-Engine. International Journal of Business Data Communications and Networking, 2006, 2, 55-67.	0.7	0
82	Genetic Algorithms for Designing Network Security Protocols. Intelligent Information Systems, 2009, , 325-357.	0.1	0
83	Use of turbo codes with low-rate convolutional constituent codes in fingerprinting scenarios. , 2011, , .		0
84	Private surveys on VoIP. Computer Communications, 2015, 68, 25-32.	5.1	0
85	Efficient Offline Certificate Revocation. Lecture Notes in Computer Science, 2003, , 319-330.	1.3	0
86	Security Issues in Virtual Grid Environments. Lecture Notes in Computer Science, 2004, , 174-178.	1.3	0
87	Identification of Traitors Using a Trellis. Lecture Notes in Computer Science, 2004, , 211-222.	1.3	0
88	E-MHT. An Efficient Protocol for Certificate Status Checking. Lecture Notes in Computer Science, 2004, , 410-424.	1.3	0
89	A New Class of Codes for Fingerprinting Schemes. Lecture Notes in Computer Science, 2005, , 398-409.	1.3	0
90	Obtaining Traceability Codes from Chinese Reminder Theorem Codes. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2006, E89-A, 227-230.	0.3	0

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91	Supporting Mobility in GKM over Ad-Hoc Network Using a Decentralized and Spontaneous Algorithm. , 2007, , 526-539.		0