

Gerhard Hancke

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3538960/gerhard-hancke-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196
papers

9,763
citations

44
h-index

97
g-index

222
ext. papers

12,206
ext. citations

5.3
avg. IF

7.07
L-index

#	Paper	IF	Citations
196	Physical Security and Safety of IoT Equipment: A Survey of Recent Advances and Opportunities. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	5
195	Quantum-Safe Group Key Establishment Protocol from Lattice Trapdoors. <i>Sensors</i> , 2022 , 22, 4148	3.8	0
194	Energy-Aware Hybrid MAC Protocol for IoT Enabled WBAN Systems. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	6
193	Revisiting Error-Correction in Pre-Commitment Distance-Bounding Protocols. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	
192	. <i>IEEE Sensors Journal</i> , 2021 , 21, 6761-6774	4	15
191	Smart Microgrid Energy Market: Evaluating Distributed Ledger Technologies for Remote and Constrained Microgrid Deployments. <i>Electronics (Switzerland)</i> , 2021 , 10, 714	2.6	2
190	Towards achieving efficient MAC protocols for WBAN-enabled IoT technology: a review. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2021 , 2021,	3.2	11
189	. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 15, 52-64	6.2	1
188	Privacy-Preserving Group Authentication for RFID Tags Using Bit-Collision Patterns. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 11607-11620	10.7	3
187	From Industry 4.0 to Agriculture 4.0: Current Status, Enabling Technologies, and Research Challenges. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4322-4334	11.9	104
186	Preventing Overshadowing Attacks in Self-Jamming Audio Channels. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 18, 45-57	3.9	4
185	A Provenance-Aware Distributed Trust Model for Resilient Unmanned Aerial Vehicle Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12481-12489	10.7	3
184	Software-Defined Power Grids: A Survey on Opportunities and Taxonomy for Microgrids. <i>IEEE Access</i> , 2021 , 9, 98973-98991	3.5	1
183	SurveilNet: A Lightweight Anomaly Detection System for Cooperative IoT Surveillance Networks. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
182	From Relay Attacks to Distance-Bounding Protocols 2021 , 113-130		1
181	Autonomous Interference Mapping for Industrial Internet of Things Networks Over Unlicensed Bands: Identifying Cross-Technology Interference. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 15, 67-78	6.2	10
180	Wireless Positioning in Underground Mines: Challenges and Recent Advances. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 15, 39-48	6.2	1

179	Off-the-Shelf Security Testing Platform for Contactless Systems. <i>Lecture Notes in Computer Science</i> , 2021 , 13-23	0.9	
178	Half-duplex mode based secure key generation method for resource-constrained IoT devices. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
177	Low Power Wide Area Network, Cognitive Radio and the Internet of Things: Potentials for Integration. <i>Sensors</i> , 2020 , 20,	3.8	7
176	Enabling a Battery-Less Sensor Node Using Dedicated Radio Frequency Energy Harvesting for Complete Off-Grid Applications. <i>Energies</i> , 2020 , 13, 5402	3.1	1
175	Behavioral Acoustic Emanations: Attack and Verification of PIN Entry Using Keypress Sounds. <i>Sensors</i> , 2020 , 20,	3.8	4
174	A Review on Challenges of Autonomous Mobile Robot and Sensor Fusion Methods. <i>IEEE Access</i> , 2020 , 8, 39830-39846	3.5	57
173	Ranging Error Mitigation for Through-the-Wall Non-Line-of-Sight Conditions. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6903-6911	11.9	15
172	Artificial Intelligence Techniques for Cognitive Sensing in Future IoT: State-of-the-Art, Potentials, and Challenges. <i>Journal of Sensor and Actuator Networks</i> , 2020 , 9, 21	3.8	11
171	Non-Line-of-Sight Identification Without Channel Statistics 2020 ,		1
170	A cuckoo search optimization-based forward consecutive mean excision model for threshold adaptation in cognitive radio. <i>Soft Computing</i> , 2020 , 24, 9683-9704	3.5	2
169	CACC: Context-aware congestion control approach for lightweight CoAP/UDP-based Internet of Things traffic. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 31, e3822	1.9	8
168	Cognitive Radio in Low Power Wide Area Network for IoT Applications: Recent Approaches, Benefits and Challenges. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 7489-7498	11.9	14
167	IoT in the Wake of COVID-19: A Survey on Contributions, Challenges and Evolution. <i>IEEE Access</i> , 2020 , 8, 186821-186839	3.5	62
166	AACS: Attribute-Based Access Control Mechanism for Smart Locks. <i>Symmetry</i> , 2020 , 12, 1050	2.7	2
165	A review on face recognition systems: recent approaches and challenges. <i>Multimedia Tools and Applications</i> , 2020 , 79, 27891-27922	2.5	18
164	Behavioural Intrusion Detection in Water Distribution Systems Using Neural Networks. <i>IEEE Access</i> , 2020 , 8, 190403-190416	3.5	3
163	A Survey on Adaptive Data Rate Optimization in LoRaWAN: Recent Solutions and Major Challenges. <i>Sensors</i> , 2020 , 20,	3.8	36
162	Security and Privacy in the Industrial Internet of Things: Current Standards and Future Challenges. <i>IEEE Access</i> , 2020 , 8, 152351-152366	3.5	20

161	Energy-Efficient Distance-Bounding with Residual Charge Computation. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 8, 365-376	4.1	4
160	SDNMM: A Generic SDN-Based Modular Management System for Wireless Sensor Networks. <i>IEEE Systems Journal</i> , 2020 , 14, 2347-2357	4.3	8
159	A Session Hijacking Attack Against a Device-Assisted Physical-Layer Key Agreement. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 691-702	11.9	10
158	Data Aggregation in Software-Defined Wireless Sensor Networks: A Review 2019 ,		1
157	A delay-aware spectrum handoff scheme for prioritized time-critical industrial applications with channel selection strategy. <i>Computer Communications</i> , 2019 , 144, 112-123	5.1	3
156	Attack detection in water distribution systems using machine learning. <i>Human-centric Computing and Information Sciences</i> , 2019 , 9,	5.4	25
155	An Effective Spectrum Handoff Based on Reinforcement Learning for Target Channel Selection in the Industrial Internet of Things. <i>Sensors</i> , 2019 , 19,	3.8	14
154	Efficient controller placement and reelection mechanism in distributed control system for software defined wireless sensor networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3588	1.9	14
153	Deformable Object Tracking With Gated Fusion. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 3766-3777	3.7	18
152	Automatic fine-grained access control in SCADA by machine learning. <i>Future Generation Computer Systems</i> , 2019 , 93, 548-559	7.5	11
151	Indoor Localization using Wireless Fidelity (WiFi) and Bluetooth Low Energy (BLE) signals 2019 ,		1
150	A Review of Artificial Intelligence Based Intrusion Detection for Software-Defined Wireless Sensor Networks 2019 ,		4
149	A Comparison of Data Aggregation Techniques in Software-Defined Wireless Sensor Network 2019 ,		2
148	A Review of Wireless Sensor Network Localisation Based on Software Defined Networking 2019 ,		1
147	Evaluating the Implications of Varying Bluetooth Low Energy (BLE) Transmission Power Levels on Wireless Indoor Localization Accuracy and Precision. <i>Sensors</i> , 2019 , 19,	3.8	12
146	End-to-End Wireless Control Plane for SDN in Data Centers 2019 ,		1
145	Security Implications of Implementing Multistate Distance-Bounding Protocols 2019 ,		2
144	Developing a Secure, Smart Microgrid Energy Market using Distributed Ledger Technologies 2019 ,		4

143	Approaches for Best-Effort Relay-Resistant Channels on Standard Contactless Channels 2019 ,		1
142	Exploring Control-Message Quenching in SDN-based Management of 6LoWPANs 2019 ,		3
141	An Approach to Improve Location Accuracy in Non-Line-of-Sight Scenarios using Floor Plans 2019 ,		1
140	SMPKR: Search Engine for Internet of Things. <i>IEEE Access</i> , 2019 , 7, 163615-163625	3.5	3
139	A Survey on LPWAN Technologies in WBAN for Remote Health-Care Monitoring. <i>Sensors</i> , 2019 , 19,	3.8	31
138	Design and Implementation of an Electrical Tamper Detection System 2019 ,		1
137	A 2-D Acoustic Source Localization System for Drones in Search and Rescue Missions. <i>IEEE Sensors Journal</i> , 2019 , 19, 332-341	4	20
136	Security of Distance-Bounding. <i>ACM Computing Surveys</i> , 2019 , 51, 1-33	13.4	101
135	Fragmentation-Based Distributed Control System for Software-Defined Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 901-910	11.9	29
134	Exploring relationship between indistinguishability-based and unpredictability-based RFID privacy models. <i>Future Generation Computer Systems</i> , 2018 , 82, 315-326	7.5	2
133	. <i>IEEE Access</i> , 2018 , 6, 9303-9323	3.5	26
132	Denial of Service Defence for Resource Availability in Wireless Sensor Networks. <i>IEEE Access</i> , 2018 , 6, 6975-7004	3.5	61
131	May the Force Be with You: Force-Based Relay Attack Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 142-159	0.9	
130	Industrial Cyberphysical Systems: Realizing Cloud-Based Big Data Infrastructures. <i>IEEE Industrial Electronics Magazine</i> , 2018 , 12, 25-35	6.2	46
129	Cache-Aware Query Optimization in Multiapplication Sharing Wireless Sensor Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 401-417	7.3	11
128	HB+DB: Distance bounding meets human based authentication. <i>Future Generation Computer Systems</i> , 2018 , 80, 627-639	7.5	9
127	A Survey of Anomaly Detection in Industrial Wireless Sensor Networks with Critical Water System Infrastructure as a Case Study. <i>Sensors</i> , 2018 , 18,	3.8	56
126	Cryptography Methods for Software-Defined Wireless Sensor Networks 2018 ,		9

125	A Statistical Approach to Detect Jamming Attacks in Wireless Sensor Networks. <i>Sensors</i> , 2018 , 18,	3.8	44
124	Localised information fusion techniques for location discovery in wireless sensor networks. <i>International Journal of Sensor Networks</i> , 2018 , 26, 12	0.8	37
123	A Survey on 5G Networks for the Internet of Things: Communication Technologies and Challenges. <i>IEEE Access</i> , 2018 , 6, 3619-3647	3.5	603
122	Fast Convergence Cooperative Dynamic Spectrum Access for Cognitive Radio Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3386-3394	11.9	14
121	Survey of Proximity Based Authentication Mechanisms for the Industrial Internet of Things 2018 ,		7
120	An Ultrasonic Indoor Positioning System for Harsh Environments 2018 ,		4
119	Programmable Node in Software-Defined Wireless Sensor Networks: A Review 2018 ,		4
118	Practical Comparison between COAP and MQTT - Sensor to Server level 2018 ,		2
117	Improving Face Recognition Systems Using a New Image Enhancement Technique, Hybrid Features and the Convolutional Neural Network. <i>IEEE Access</i> , 2018 , 6, 75181-75191	3.5	19
116	Overlay Virtualized Wireless Sensor Networks for Application in Industrial Internet of Things: A Review. <i>Sensors</i> , 2018 , 18,	3.8	18
115	Security and Privacy for the Industrial Internet of Things: An Overview of Approaches to Safeguarding Endpoints. <i>IEEE Signal Processing Magazine</i> , 2018 , 35, 76-87	9.4	33
114	Tangible security: Survey of methods supporting secure ad-hoc connects of edge devices with physical context. <i>Computers and Security</i> , 2018 , 78, 281-300	4.9	9
113	Analysis of Bluetooth Low Energy (BLE) Based Indoor Localization System with Multiple Transmission Power Levels 2018 ,		7
112	Problem of Wireless Fingerprint Duplication in Fingerprinting Based Indoor Localization 2018 ,		3
111	. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 1723-1736	4.6	13
110	. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 135-143	11.9	149
109	When Innovation Meets Evolution: An Extensive Study of Emerging e-Learning Technologies for Higher Education in Hong Kong. <i>Lecture Notes in Computer Science</i> , 2017 , 574-584	0.9	1
108	A Survey on Software-Defined Wireless Sensor Networks: Challenges and Design Requirements. <i>IEEE Access</i> , 2017 , 5, 1872-1899	3.5	254

107	The Fall of One, the Rise of Many: A Survey on Multi-Biometric Fusion Methods. <i>IEEE Access</i> , 2017 , 5, 6247-6289	3.5	34
106	A session hijacking attack on physical layer key generation agreement 2017 ,		6
105	Energy efficient irrigation scheduling system based on the ISO/IEC/IEEE 21451 standards 2017 ,		1
104	. <i>IEEE Access</i> , 2017 , 5, 6661-6667	3.5	26
103	A survey of cognitive radio handoff schemes, challenges and issues for industrial wireless sensor networks (CR-IWSN). <i>Journal of Network and Computer Applications</i> , 2017 , 97, 140-156	7.9	26
102	Behavioural sensor data as randomness source for IoT devices 2017 ,		4
101	Sleep scheduling for critical nodes in group-based industrial wireless sensor networks 2017 ,		3
100	Energy utilization concerned sleep scheduling in Wireless Powered Communication Networks 2017 ,		3
99	2017 ,		21
98	Security in software-defined wireless sensor networks: Threats, challenges and potential solutions 2017 ,		33
97	Review of state-of-the-art wireless technologies and applications in smart cities 2017 ,		5
96	Improving northbound interface communication in SDWSN 2017 ,		4
95	Software Defined Networking for Improved Wireless Sensor Network Management: A Survey. <i>Sensors</i> , 2017 , 17,	3.8	116
94	Pose Estimation of a Mobile Robot Based on Fusion of IMU Data and Vision Data Using an Extended Kalman Filter. <i>Sensors</i> , 2017 , 17,	3.8	68
93	User-Centric Key Entropy: Study of Biometric Key Derivation Subject to Spoofing Attacks. <i>Entropy</i> , 2017 , 19, 70	2.8	4
92	Localised Information Fusion Techniques for Location Discovery in Wireless Sensor Networks. <i>International Journal of Sensor Networks</i> , 2017 , 1, 1	0.8	12
91	RFID and Contactless Technology 2017 , 351-385		2
90	Self-jamming Audio Channels: Investigating the Feasibility of Perceiving Overshadowing Attacks. <i>Lecture Notes in Computer Science</i> , 2017 , 188-203	0.9	1

89	Wearable security: Key derivation for Body Area sensor Networks based on host movement 2016 ,		10
88	Public key cryptography: Feasible for security in modern personal area sensor networks? 2016 ,		2
87	IR-UWB-Based Non-Line-of-Sight Identification in Harsh Environments: Principles and Challenges. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1188-1195	11.9	87
86	A Web-Based Office Climate Control System Using Wireless Sensors. <i>IEEE Sensors Journal</i> , 2016 , 16, 6104-6113	11.9	11
85	Practical limitation of co-operative RFID jamming methods in environments without accurate signal synchronization. <i>Computer Networks</i> , 2016 , 105, 224-236	5.4	7
84	Cognitiva [A cognitive industrial wireless network protocol: Protocol design and testbed implementation 2016 ,		3
83	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 28-40	11.9	70
82	How to Demonstrate Our Presence Without Disclosing Identity? Evidence from a Grouping-Proof Protocol. <i>Lecture Notes in Computer Science</i> , 2016 , 423-435	0.9	2
81	A Survey on Urban Traffic Management System Using Wireless Sensor Networks. <i>Sensors</i> , 2016 , 16, 157	3.8	160
80	Traffic Management for Emergency Vehicle Priority Based on Visual Sensing. <i>Sensors</i> , 2016 , 16,	3.8	51
79	A framework for user-centric key sharing in personal sensor networks 2016 ,		1
78	Towards non-line-of-sight ranging error mitigation in industrial wireless sensor networks 2016 ,		5
77	Guest Editorial Healthcare Systems and Technologies. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 2266-2268	11.9	2
76	Energy Efficient Scalable Video Multicast in Wireless Ad-hoc NETWORKS 2016 ,		4
75	Wearable device localisation using machine learning techniques 2016 ,		2
74	Air Quality Monitoring System Based on ISO/IEC/IEEE 21451 Standards. <i>IEEE Sensors Journal</i> , 2016 , 16, 5037-5045	4	59
73	Unimodal and Multimodal Biometric Sensing Systems: A Review. <i>IEEE Access</i> , 2016 , 4, 7532-7555	3.5	57
72	Open hardware: a role to play in wireless sensor networks?. <i>Sensors</i> , 2015 , 15, 6818-44	3.8	49

71	Using Cognitive Radio for Interference-Resistant Industrial Wireless Sensor Networks: An Overview. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1466-1481	11.9	101
70	Enhanced centroid localization of wireless sensor nodes using linear and neighbor weighting mechanisms 2015 ,		3
69	. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1099-1110	11.9	89
68	HB+DB, mitigating man-in-the-middle attacks against HB+ with distance bounding 2015 ,		2
67	A Zigbee-Based Animal Health Monitoring System. <i>IEEE Sensors Journal</i> , 2015 , 15, 610-617	4	94
66	Current Status of the IEEE 1451 Standard-Based Sensor Applications. <i>IEEE Sensors Journal</i> , 2015 , 15, 2507-2513	29	
65	Classifying tachycardias via high dimensional linear discriminant function and perceptron with mult-piece domain activation function 2015 ,		1
64	Using Distance-Bounding Protocols to Securely Verify the Proximity of Two-Hop Neighbours. <i>IEEE Communications Letters</i> , 2015 , 19, 1173-1176	3.8	9
63	Device Synchronisation: A Practical Limitation on Reader Assisted Jamming Methods for RFID Confidentiality. <i>Lecture Notes in Computer Science</i> , 2015 , 219-234	0.9	1
62	Guest Editorial Special Section on Industrial Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 762-765	11.9	19
61	The Generic Design of a High-Traffic Advanced Metering Infrastructure Using ZigBee. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 836-844	11.9	60
60	2014 ,		47
59	Energy Efficient Environment Monitoring System Based on the IEEE 802.15.4 Standard for Low Cost Requirements. <i>IEEE Sensors Journal</i> , 2014 , 14, 2557-2566	4	58
58	An Energy-Efficient Smart Comfort Sensing System Based on the IEEE 1451 Standard for Green Buildings. <i>IEEE Sensors Journal</i> , 2014 , 14, 4245-4252	4	62
57	Implementing the Internet of Things vision in industrial wireless sensor networks 2014 ,		46
56	DTLS for Lightweight Secure Data Streaming in the Internet of Things 2014 ,		5
55	Development of a robust active infrared-based eye tracker. <i>IET Computer Vision</i> , 2014 , 8, 523-534	1.4	4
54	Dynamic spectrum allocation for smart meter networks and WSNs in the presence of household consumer networks 2014 ,		1

53	Positioning infrastructure for industrial automation systems based on UWB wireless communication 2014 ,		8
52	Energy consumption audit system for smart building 2014 ,		6
51	Environmental Monitoring Systems: A Review. <i>IEEE Sensors Journal</i> , 2013 , 13, 1329-1339	4	86
50	On link quality aware routing for industrial wireless sensor networks 2013 ,		4
49	Guest Editorial Special Section on Information Technologies in Smart Grids. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 1380-1383	11.9	14
48	A Survey on Smart Grid Potential Applications and Communication Requirements. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 28-42	11.9	724
47	Introduction to Industrial Control Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2013 , 15, 860-889	97.1	247
46	Distance Bounding: A Practical Security Solution for Real-Time Location Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 16-27	11.9	44
45	Evaluating ALWadHA for providing secure localisation for wireless sensor networks 2013 ,		22
44	Machine-to-Machine: Possible applications in industrial networks 2013 ,		31
43	An efficient distributed localisation algorithm for wireless sensor networks: based on smart reference-selection method. <i>International Journal of Sensor Networks</i> , 2013 , 13, 94	0.8	32
42	A Practical Generic Relay Attack on Contactless Transactions by Using NFC Mobile Phones 2013 , 2, 92-106		13
41	Industrial wireless sensor networks: A selection of challenging applications 2012 ,		7
40	Tag Group Authentication Using Bit-Collisions 2012 ,		1
39	Smartphones as a platform for advanced measurement and processing 2012 ,		1
38	Smart Grid and Smart Homes: Key Players and Pilot Projects. <i>IEEE Industrial Electronics Magazine</i> , 2012 , 6, 18-34	6.2	127
37	Design of a controller for a universal input/output port 2012 ,		2
36	The role of advanced sensing in smart cities. <i>Sensors</i> , 2012 , 13, 393-425	3.8	335

35	Distance-bounding for RFID: Effectiveness of Terrorist fraud in the presence of bit errors 2012 ,		32
34	Dynamic Connectivity in Wireless Underground Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 4334-4344	9.6	49
33	Smart Grid Technologies: Communication Technologies and Standards. <i>IEEE Transactions on Industrial Informatics</i> , 2011 , 7, 529-539	11.9	1569
32	Actor coordination using info-gap decision theory in wireless sensor and actor networks. <i>International Journal of Sensor Networks</i> , 2011 , 10, 177	0.8	30
31	A Generic NFC-enabled Measurement System for Remote Monitoring and Control of Client-side Equipment 2011 ,		25
30	ns-2 extension to simulate localization system in wireless sensor networks 2011 ,		28
29	Design of a secure distance-bounding channel for RFID. <i>Journal of Network and Computer Applications</i> , 2011 , 34, 877-887	7.9	36
28	Using NFC-enabled phones for remote data acquisition and digital control 2011 ,		20
27	Practical eavesdropping and skimming attacks on high-frequency RFID tokens. <i>Journal of Computer Security</i> , 2011 , 19, 259-288	0.8	32
26	A location based security framework for authenticating mobile phones 2010 ,		4
25	Using 3G network components to enable NFC mobile transactions and authentication 2010 ,		26
24	NFC Mobile Transactions and Authentication Based on GSM Network 2010 ,		36
23	A Security Framework Model with Communication Protocol Translator Interface for Enhancing NFC Transactions 2010 ,		6
22	On the security issues of NFC enabled mobile phones. <i>International Journal of Internet Technology and Secured Transactions</i> , 2010 , 2, 336	0.6	12
21	Opportunities and Challenges of Wireless Sensor Networks in Smart Grid. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 3557-3564	8.9	813
20	Practical NFC Peer-to-Peer Relay Attack Using Mobile Phones. <i>Lecture Notes in Computer Science</i> , 2010 , 35-49	0.9	74
19	Attacking smart card systems: Theory and practice. <i>Information Security Technical Report</i> , 2009 , 14, 46-56		43
18	Transport ticketing security and fraud controls. <i>Information Security Technical Report</i> , 2009 , 14, 87-95		10

17	Confidence in smart token proximity: Relay attacks revisited. <i>Computers and Security</i> , 2009 , 28, 615-627	4.9	65
16	Industrial Wireless Sensor Networks: Challenges, Design Principles, and Technical Approaches. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 4258-4265	8.9	964
15	Evaluating and optimising accelerometer-based gesture recognition techniques for mobile devices 2009 ,		9
14	Potential misuse of NFC enabled mobile phones with embedded security elements as contactless attack platforms 2009 ,		16
13	Modelling a Wireless Sensor Network as a Small World Network 2009 ,		5
12	Secure Proximity Identification for RFID. <i>Wireless Networks and Mobile Communications</i> , 2009 ,		1
11	An XML Model for Use Across Heterogeneous ClientServer Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008 , 57, 2128-2135	5.2	5
10	Attacks on time-of-flight distance bounding channels 2008 ,		45
9	An Investigation of Bluetooth Mergence with Ultra Wideband 2008 ,		1
8	RFID and Contactless Technology 2008 , 295-322		4
7	Comparing wireless sensor network routing protocols 2007 ,		2
6	Modulating a noisy carrier signal for eavesdropping-resistant HF RFID. <i>Elektrotechnik Und Informationstechnik</i> , 2007 , 124, 404-408	0.4	4
5	Practical attacks on proximity identification systems 2006 ,		54
4	So Near and Yet So Far: Distance-Bounding Attacks in Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2006 , 83-97	0.9	67
3	Wireless sensor networks for smart grid: research challenges and potential applications265-278		
2	An RFID Distance Bounding Protocol		176
1	An optimization-based congestion control for constrained application protocol. <i>International Journal of Network Management</i> ,e2178	1.8	1