

# Gerhard Hancke

## List of Publications by Year in descending order

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Version: 2024-02-01

215  
papers

14,305  
citations

47006

47  
h-index

22166

113  
g-index

223  
all docs

223  
docs citations

223  
times ranked

12555  
citing authors

#	ARTICLE	IF	CITATIONS
1	An optimization-based congestion control for constrained application protocol. International Journal of Network Management, 2022, 32, e2178.	2.2	4
2	Half-Duplex Mode-Based Secure Key Generation Method for Resource-Constrained IoT Devices. IEEE Internet of Things Journal, 2022, 9, 1326-1338.	8.7	3
3	Energy-Aware Hybrid MAC Protocol for IoT Enabled WBAN Systems. IEEE Sensors Journal, 2022, 22, 2685-2699.	4.7	16
4	Revisiting Error-Correction in Precommitment Distance-Bounding Protocols. IEEE Transactions on Industrial Informatics, 2022, 18, 7097-7106.	11.3	2
5	Physical Security and Safety of IoT Equipment: A Survey of Recent Advances and Opportunities. IEEE Transactions on Industrial Informatics, 2022, 18, 4319-4330.	11.3	31
6	Guest Editorial: Reliability and Security for Intelligent Wireless Sensing and Control Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2651-2655.	11.3	0
7	Quantum-Safe Group Key Establishment Protocol from Lattice Trapdoors. Sensors, 2022, 22, 4148.	3.8	2
8	Interference Avoidance Resource Allocation for D2D-Enabled 5G Narrowband Internet of Things. IEEE Internet of Things Journal, 2022, 9, 22752-22764.	8.7	6
9	From Industry 4.0 to Agriculture 4.0: Current Status, Enabling Technologies, and Research Challenges. IEEE Transactions on Industrial Informatics, 2021, 17, 4322-4334.	11.3	306
10	Preventing Overshadowing Attacks in Self-Jamming Audio Channels. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 45-57.	5.4	6
11	A Provenance-Aware Distributed Trust Model for Resilient Unmanned Aerial Vehicle Networks. IEEE Internet of Things Journal, 2021, 8, 12481-12489.	8.7	16
12	Software-Defined Power Grids: A Survey on Opportunities and Taxonomy for Microgrids. IEEE Access, 2021, 9, 98973-98991.	4.2	5
13	SurveilNet: A Lightweight Anomaly Detection System for Cooperative IoT Surveillance Networks. IEEE Sensors Journal, 2021, 21, 25293-25306.	4.7	7
14	From Relay Attacks to Distance-Bounding Protocols. , 2021, , 113-130.		2
15	Autonomous Interference Mapping for Industrial Internet of Things Networks Over Unlicensed Bands: Identifying Cross-Technology Interference. IEEE Industrial Electronics Magazine, 2021, 15, 67-78.	2.6	16
16	A Hybrid Multi-Class MAC Protocol for IoT-Enabled WBAN Systems. IEEE Sensors Journal, 2021, 21, 6761-6774.	4.7	27
17	Smart Microgrid Energy Market: Evaluating Distributed Ledger Technologies for Remote and Constrained Microgrid Deployments. Electronics (Switzerland), 2021, 10, 714.	3.1	10
18	Towards achieving efficient MAC protocols for WBAN-enabled IoT technology: a review. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	22

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19	Guest Editorial: Sustainable and Intelligent Precision Agriculture. IEEE Transactions on Industrial Informatics, 2021, 17, 4318-4321.	11.3	13
20	Collaborative Industrial Internet of Things for Noise Mapping: Prospects and Research Opportunities. IEEE Industrial Electronics Magazine, 2021, 15, 52-64.	2.6	5
21	Privacy-Preserving Group Authentication for RFID Tags Using Bit-Collision Patterns. IEEE Internet of Things Journal, 2021, 8, 11607-11620.	8.7	13
22	Wireless Positioning in Underground Mines: Challenges and Recent Advances. IEEE Industrial Electronics Magazine, 2021, 15, 39-48.	2.6	14
23	Guest editorial: IoT sensing, applications, and technologies for smart sustainable cities. IET Smart Cities, 2021, 3, 121-124.	3.1	1
24	Feasibility of Inferring Keystrokes on PEDs with Sensors from Mobile Devices. , 2021, , .		0
25	OTP-Based Symmetric Group Key Establishment Scheme for IoT Networks. , 2021, , .		2
26	Mobile Proximity Channel Using Vibration. , 2021, , .		0
27	IoT Bicycle Sharing Service for Smart City Transport. , 2021, , .		1
28	Energy-Efficient Distance-Bounding with Residual Charge Computation. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 365-376.	4.6	4
29	SDNMM" A Generic SDN-Based Modular Management System for Wireless Sensor Networks. IEEE Systems Journal, 2020, 14, 2347-2357.	4.6	10
30	A Session Hijacking Attack Against a Device-Assisted Physical-Layer Key Agreement. IEEE Transactions on Industrial Informatics, 2020, 16, 691-702.	11.3	20
31	A cuckoo search optimization-based forward consecutive mean excision model for threshold adaptation in cognitive radio. Soft Computing, 2020, 24, 9683-9704.	3.6	3
32	CACC: Context-aware congestion control approach for lightweight CoAP/UDP-based Internet of Things traffic. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3822.	3.9	17
33	Cognitive Radio in Low Power Wide Area Network for IoT Applications: Recent Approaches, Benefits and Challenges. IEEE Transactions on Industrial Informatics, 2020, 16, 7489-7498.	11.3	21
34	IoT in the Wake of COVID-19: A Survey on Contributions, Challenges and Evolution. IEEE Access, 2020, 8, 186821-186839.	4.2	126
35	AACS: Attribute-Based Access Control Mechanism for Smart Locks. Symmetry, 2020, 12, 1050.	2.2	5
36	A review on face recognition systems: recent approaches and challenges. Multimedia Tools and Applications, 2020, 79, 27891-27922.	3.9	58

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37	Behavioural Intrusion Detection in Water Distribution Systems Using Neural Networks. IEEE Access, 2020, 8, 190403-190416.	4.2	12
38	A Survey on Adaptive Data Rate Optimization in LoRaWAN: Recent Solutions and Major Challenges. Sensors, 2020, 20, 5044.	3.8	101
39	Security and Privacy in the Industrial Internet of Things: Current Standards and Future Challenges. IEEE Access, 2020, 8, 152351-152366.	4.2	74
40	Low Power Wide Area Network, Cognitive Radio and the Internet of Things: Potentials for Integration. Sensors, 2020, 20, 6837.	3.8	22
41	Enabling a Battery-Less Sensor Node Using Dedicated Radio Frequency Energy Harvesting for Complete Off-Grid Applications. Energies, 2020, 13, 5402.	3.1	5
42	Behavioral Acoustic Emanations: Attack and Verification of PIN Entry Using Keypress Sounds. Sensors, 2020, 20, 3015.	3.8	9
43	A Review on Challenges of Autonomous Mobile Robot and Sensor Fusion Methods. IEEE Access, 2020, 8, 39830-39846.	4.2	221
44	Ranging Error Mitigation for Through-the-Wall Non-Line-of-Sight Conditions. IEEE Transactions on Industrial Informatics, 2020, 16, 6903-6911.	11.3	42
45	Artificial Intelligence Techniques for Cognitive Sensing in Future IoT: State-of-the-Art, Potentials, and Challenges. Journal of Sensor and Actuator Networks, 2020, 9, 21.	3.9	28
46	A Delegated Proof of Proximity Scheme for Industrial Internet of Things Consensus. , 2020, , .		3
47	Non-Line-of-Sight Identification Without Channel Statistics. , 2020, , .		7
48	Automatic fine-grained access control in SCADA by machine learning. Future Generation Computer Systems, 2019, 93, 548-559.	7.5	21
49	Indoor Localization using Wireless Fidelity (WiFi) and Bluetooth Low Energy (BLE) signals. , 2019, , .		12
50	A Review of Artificial Intelligence Based Intrusion Detection for Software-Defined Wireless Sensor Networks. , 2019, , .		11
51	A Comparison of Data Aggregation Techniques in Software-Defined Wireless Sensor Network. , 2019, , .		5
52	A Review of Wireless Sensor Network Localisation Based on Software Defined Networking. , 2019, , .		3
53	Evaluating the Implications of Varying Bluetooth Low Energy (BLE) Transmission Power Levels on Wireless Indoor Localization Accuracy and Precision. Sensors, 2019, 19, 3282.	3.8	28
54	End-to-End Wireless Control Plane for SDN in Data Centers. , 2019, , .		1

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55	Security Implications of Implementing Multistate Distance-Bounding Protocols. , 2019, , .		3
56	Data Aggregation in Software-Defined Wireless Sensor Networks: A Review. , 2019, , .		3
57	Comparison of Localisation Estimation Algorithms in Software Defined Wireless Sensor Networks. , 2019, , .		0
58	A delay-aware spectrum handoff scheme for prioritized time-critical industrial applications with channel selection strategy. Computer Communications, 2019, 144, 112-123.	5.1	5
59	Attack detection in water distribution systems using machine learning. Human-centric Computing and Information Sciences, 2019, 9, .	6.1	47
60	An Effective Spectrum Handoff Based on Reinforcement Learning for Target Channel Selection in the Industrial Internet of Things. Sensors, 2019, 19, 1395.	3.8	17
61	Efficient controller placement and reelection mechanism in distributed control system for software defined wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3588.	3.9	24
62	Deformable Object Tracking With Gated Fusion. IEEE Transactions on Image Processing, 2019, 28, 3766-3777.	9.8	29
63	Activity Identification using Inertial Measuring Unit Advanced Sensor Network. , 2019, , .		0
64	Correlation-Based Search against Friendly Jamming Data Exchange Schemes. , 2019, , .		0
65	Developing a Secure, Smart Microgrid Energy Market using Distributed Ledger Technologies. , 2019, , .		6
66	Approaches for Best-Effort Relay-Resistant Channels on Standard Contactless Channels. , 2019, , .		1
67	Exploring Control-Message Quenching in SDN-based Management of 6LoWPANs. , 2019, , .		8
68	An Approach to Improve Location Accuracy in Non-Line-of-Sight Scenarios using Floor Plans. , 2019, , .		2
69	SMPKR: Search Engine for Internet of Things. IEEE Access, 2019, 7, 163615-163625.	4.2	6
70	A Survey on LPWAN Technologies in WBAN for Remote Health-Care Monitoring. Sensors, 2019, 19, 5268.	3.8	51
71	Design and Implementation of an Electrical Tamper Detection System. , 2019, , .		6
72	A 2-D Acoustic Source Localization System for Drones in Search and Rescue Missions. IEEE Sensors Journal, 2019, 19, 332-341.	4.7	35

#	ARTICLE	IF	CITATIONS
73	Security of Distance-Bounding. ACM Computing Surveys, 2019, 51, 1-33.	23.0	215
74	Fragmentation-Based Distributed Control System for Software-Defined Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 901-910.	11.3	50
75	Exploring relationship between indistinguishability-based and unpredictability-based RFID privacy models. Future Generation Computer Systems, 2018, 82, 315-326.	7.5	2
76	Performance Costs of Software Cryptography in Securing New-Generation Internet of Energy Endpoint Devices. IEEE Access, 2018, 6, 9303-9323.	4.2	38
77	Denial of Service Defence for Resource Availability in Wireless Sensor Networks. IEEE Access, 2018, 6, 6975-7004.	4.2	94
78	May the Force Be with You: Force-Based Relay Attack Detection. Lecture Notes in Computer Science, 2018, , 142-159.	1.3	0
79	Industrial Cyberphysical Systems: Realizing Cloud-Based Big Data Infrastructures. IEEE Industrial Electronics Magazine, 2018, 12, 25-35.	2.6	73
80	Cache-Aware Query Optimization in Multiapplication Sharing Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 401-417.	9.3	15
81	$HB + DB$ Distance bounding meets human based authentication. Future Generation Computer Systems, 2018, 80, 627-639.		
82	A Survey on 5G Networks for the Internet of Things: Communication Technologies and Challenges. IEEE Access, 2018, 6, 3619-3647.	4.2	920
83	Fast Convergence Cooperative Dynamic Spectrum Access for Cognitive Radio Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 3386-3394.	11.3	18
84	Survey of Proximity Based Authentication Mechanisms for the Industrial Internet of Things. , 2018, , .		10
85	An Ultrasonic Indoor Positioning System for Harsh Environments. , 2018, , .		5
86	Programmable Node in Software-Defined Wireless Sensor Networks: A Review. , 2018, , .		4
87	Practical Comparison between COAP and MQTT - Sensor to Server level. , 2018, , .		9
88	Comparison between COAP and MQTT - Server to Business System level. , 2018, , .		4
89	Improving Face Recognition Systems Using a New Image Enhancement Technique, Hybrid Features and the Convolutional Neural Network. IEEE Access, 2018, 6, 75181-75191.	4.2	26
90	Overlay Virtualized Wireless Sensor Networks for Application in Industrial Internet of Things: A Review. Sensors, 2018, 18, 3215.	3.8	26

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91	Security and Privacy for the Industrial Internet of Things: An Overview of Approaches to Safeguarding Endpoints. IEEE Signal Processing Magazine, 2018, 35, 76-87.	5.6	53
92	Tangible security: Survey of methods supporting secure ad-hoc connects of edge devices with physical context. Computers and Security, 2018, 78, 281-300.	6.0	16
93	Analysis of Bluetooth Low Energy (BLE) Based Indoor Localization System with Multiple Transmission Power Levels. , 2018, , .		17
94	Problem of Wireless Fingerprint Duplication in Fingerprinting Based Indoor Localization. , 2018, , .		4
95	Two-Hop Distance-Bounding Protocols: Keep Your Friends Close. IEEE Transactions on Mobile Computing, 2018, 17, 1723-1736.	5.8	16
96	A Survey of Anomaly Detection in Industrial Wireless Sensor Networks with Critical Water System Infrastructure as a Case Study. Sensors, 2018, 18, 2491.	3.8	100
97	Cryptography Methods for Software-Defined Wireless Sensor Networks. , 2018, , .		11
98	A Statistical Approach to Detect Jamming Attacks in Wireless Sensor Networks. Sensors, 2018, 18, 1691.	3.8	94
99	Localised information fusion techniques for location discovery in wireless sensor networks. International Journal of Sensor Networks, 2018, 26, 12.	0.4	47
100	Analysis of Energy-Efficient Connected Target Coverage Algorithms for Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 135-143.	11.3	185
101	When Innovation Meets Evolution: An Extensive Study of Emerging e-Learning Technologies for Higher Education in Hong Kong. Lecture Notes in Computer Science, 2017, , 574-584.	1.3	3
102	A Survey on Software-Defined Wireless Sensor Networks: Challenges and Design Requirements. IEEE Access, 2017, 5, 1872-1899.	4.2	360
103	The Fall of One, the Rise of Many: A Survey on Multi-Biometric Fusion Methods. IEEE Access, 2017, 5, 6247-6289.	4.2	52
104	A session hijacking attack on physical layer key generation agreement. , 2017, , .		9
105	Energy efficient irrigation scheduling system based on the ISO/IEC/IEEE 21451 standards. , 2017, , .		4
106	ALWadHA Localization Algorithm: Yet More Energy Efficient. IEEE Access, 2017, 5, 6661-6667.	4.2	30
107	A survey of cognitive radio handoff schemes, challenges and issues for industrial wireless sensor networks (CR-IWSN). Journal of Network and Computer Applications, 2017, 97, 140-156.	9.1	32
108	Behavioural sensor data as randomness source for IoT devices. , 2017, , .		9

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109	Sleep scheduling for critical nodes in group-based industrial wireless sensor networks. , 2017, , .		4
110	Energy utilization concerned sleep scheduling in Wireless Powered Communication Networks. , 2017, , .		4
111	Towards a distributed control system for software defined Wireless Sensor Networks. , 2017, , .		28
112	Security in software-defined wireless sensor networks: Threats, challenges and potential solutions. , 2017, , .		41
113	Review of state-of-the-art wireless technologies and applications in smart cities. , 2017, , .		9
114	Improving northbound interface communication in SDWSN. , 2017, , .		4
115	Pose estimation of a mobile robot using monocular vision and inertial sensors data. , 2017, , .		5
116	Software Defined Networking for Improved Wireless Sensor Network Management: A Survey. Sensors, 2017, 17, 1031.	3.8	159
117	Pose Estimation of a Mobile Robot Based on Fusion of IMU Data and Vision Data Using an Extended Kalman Filter. Sensors, 2017, 17, 2164.	3.8	139
118	User-Centric Key Entropy: Study of Biometric Key Derivation Subject to Spoofing Attacks. Entropy, 2017, 19, 70.	2.2	8
119	RFID and Contactless Technology. , 2017, , 351-385.		4
120	Localised Information Fusion Techniques for Location Discovery in Wireless Sensor Networks. International Journal of Sensor Networks, 2017, 1, 1.	0.4	14
121	Self-jamming Audio Channels: Investigating the Feasibility of Perceiving Overshadowing Attacks. Lecture Notes in Computer Science, 2017, , 188-203.	1.3	1
122	A Survey on Urban Traffic Management System Using Wireless Sensor Networks. Sensors, 2016, 16, 157.	3.8	256
123	Traffic Management for Emergency Vehicle Priority Based on Visual Sensing. Sensors, 2016, 16, 1892.	3.8	89
124	A framework for user-centric key sharing in personal sensor networks. , 2016, , .		1
125	Towards non-line-of-sight ranging error mitigation in industrial wireless sensor networks. , 2016, , .		8
126	Guest Editorial Healthcare Systems and Technologies. IEEE Transactions on Industrial Informatics, 2016, 12, 2266-2268.	11.3	2



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127	Energy Efficient Scalable Video Multicast in Wireless Ad-hoc Networks. , 2016, , .		5
128	Wearable device localisation using machine learning techniques. , 2016, , .		4
129	Air Quality Monitoring System Based on ISO/IEC/IEEE 21451 Standards. IEEE Sensors Journal, 2016, 16, 5037-5045.	4.7	77
130	Unimodal and Multimodal Biometric Sensing Systems: A Review. IEEE Access, 2016, 4, 7532-7555.	4.2	95
131	Wearable security: Key derivation for Body Area sensor Networks based on host movement. , 2016, , .		12
132	Public key cryptography: Feasible for security in modern personal area sensor networks?. , 2016, , .		3
133	IR-UWB-Based Non-Line-of-Sight Identification in Harsh Environments: Principles and Challenges. IEEE Transactions on Industrial Informatics, 2016, 12, 1188-1195.	11.3	111
134	Efficient video multicast in wireless surveillance networks for intelligent building. , 2016, , .		1
135	A Web-Based Office Climate Control System Using Wireless Sensors. IEEE Sensors Journal, 2016, 16, 6104-6113.	4.7	17
136	Practical limitation of co-operative RFID jamming methods in environments without accurate signal synchronization. Computer Networks, 2016, 105, 224-236.	5.1	9
137	Cognitiva " A cognitive industrial wireless network protocol: Protocol design and testbed implementation. , 2016, , .		5
138	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. IEEE Transactions on Industrial Informatics, 2016, 12, 28-40.	11.3	89
139	How to Demonstrate Our Presence Without Disclosing Identity? Evidence from a Grouping-Proof Protocol. Lecture Notes in Computer Science, 2016, , 423-435.	1.3	3
140	Classifying tachycardias via high dimensional linear discriminant function and perceptron with multi-piece domain activation function. , 2015, , .		2
141	Using Distance-Bounding Protocols to Securely Verify the Proximity of Two-Hop Neighbours. IEEE Communications Letters, 2015, 19, 1173-1176.	4.1	11
142	A service-oriented architecture for wireless video sensor networks: Opportunities and challenges. , 2015, , .		0
143	Open Hardware: A Role to Play in Wireless Sensor Networks?. Sensors, 2015, 15, 6818-6844.	3.8	73
144	Using Cognitive Radio for Interference-Resistant Industrial Wireless Sensor Networks: An Overview. IEEE Transactions on Industrial Informatics, 2015, 11, 1466-1481.	11.3	127

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145	Enhanced centroid localization of wireless sensor nodes using linear and neighbor weighting mechanisms. , 2015, , .		6
146	Experimental Link Quality Characterization of Wireless Sensor Networks for Underground Monitoring. IEEE Transactions on Industrial Informatics, 2015, 11, 1099-1110.	11.3	111
147	HB+DB, mitigating man-in-the-middle attacks against HB+ with distance bounding. , 2015, , .		4
148	A Zigbee-Based Animal Health Monitoring System. IEEE Sensors Journal, 2015, 15, 610-617.	4.7	122
149	Current Status of the IEEE 1451 Standard-Based Sensor Applications. IEEE Sensors Journal, 2015, 15, 2505-2513.	4.7	41
150	Implementing the Internet of Things vision in industrial wireless sensor networks. , 2014, , .		66
151	DTLS for Lightweight Secure Data Streaming in the Internet of Things. , 2014, , .		8
152	Development of a robust active infrared-based eye tracker. IET Computer Vision, 2014, 8, 523-534.	2.0	4
153	A hub-odometer sensor network for road user charges. , 2014, , .		0
154	Dynamic spectrum allocation for smart meter networks and WSNs in the presence of household consumer networks. , 2014, , .		1
155	Positioning infrastructure for industrial automation systems based on UWB wireless communication. , 2014, , .		12
156	Energy consumption audit system for smart building. , 2014, , .		9
157	Guest Editorial Special Section on Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2014, 10, 762-765.	11.3	19
158	The Generic Design of a High-Traffic Advanced Metering Infrastructure Using ZigBee. IEEE Transactions on Industrial Informatics, 2014, 10, 836-844.	11.3	75
159	Benchmarking Internet of things devices. , 2014, , .		68
160	Energy Efficient Environment Monitoring System Based on the IEEE 802.15.4 Standard for Low Cost Requirements. IEEE Sensors Journal, 2014, 14, 2557-2566.	4.7	91
161	An Energy-Efficient Smart Comfort Sensing System Based on the IEEE 1451 Standard for Green Buildings. IEEE Sensors Journal, 2014, 14, 4245-4252.	4.7	86
162	Environmental Monitoring Systems: A Review. IEEE Sensors Journal, 2013, 13, 1329-1339.	4.7	126

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163	On link quality aware routing for industrial wireless sensor networks. , 2013, , .		4
164	Guest Editorial Special Section on Information Technologies in Smart Grids. IEEE Transactions on Industrial Informatics, 2013, 9, 1380-1383.	11.3	15
165	A Survey on Smart Grid Potential Applications and Communication Requirements. IEEE Transactions on Industrial Informatics, 2013, 9, 28-42.	11.3	920
166	Introduction to Industrial Control Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 860-880.	39.4	354
167	Distance Bounding: A Practical Security Solution for Real-Time Location Systems. IEEE Transactions on Industrial Informatics, 2013, 9, 16-27.	11.3	53
168	The Role of Advanced Sensing in Smart Cities. Sensors, 2013, 13, 393-425.	3.8	447
169	Evaluating ALWadHA for providing secure localisation for wireless sensor networks. , 2013, , .		28
170	A remote moniotring patient Homecare Gateway supporting streaming vital sign monitoring. , 2013, , .		1
171	Machine-to-Machine: Possible applications in industrial networks. , 2013, , .		47
172	An efficient distributed localisation algorithm for wireless sensor networks: based on smart reference-selection method. International Journal of Sensor Networks, 2013, 13, 94.	0.4	41
173	A Practical Generic Relay Attack on Contactless Transactions by Using NFC Mobile Phones. International Journal of RFID Security and Cryptography, 2013, 2, 92-106.	0.5	18
174	Distance-bounding for RFID: Effectiveness of 'terrorist fraud' in the presence of bit errors. , 2012, , .		36
175	Industrial wireless sensor networks: A selection of challenging applications. , 2012, , .		12
176	Tag Group Authentication Using Bit-Collisions. , 2012, , .		2
177	Smartphones as a platform for advanced measurement and processing. , 2012, , .		6
178	Smart Grid and Smart Homes: Key Players and Pilot Projects. IEEE Industrial Electronics Magazine, 2012, 6, 18-34.	2.6	161
179	Design of a controller for a universal input/output port. , 2012, , .		6
180	A Generic NFC-enabled Measurement System for Remote Monitoring and Control of Client-side Equipment. , 2011, , .		30

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181	ns-2 extension to simulate localization system in wireless sensor networks. , 2011, , .		37
182	Dynamic Connectivity in Wireless Underground Sensor Networks. IEEE Transactions on Wireless Communications, 2011, 10, 4334-4344.	9.2	73
183	Smart Grid Technologies: Communication Technologies and Standards. IEEE Transactions on Industrial Informatics, 2011, 7, 529-539.	11.3	2,067
184	Actor coordination using info-gap decision theory in wireless sensor and actor networks. International Journal of Sensor Networks, 2011, 10, 177.	0.4	35
185	Design of a secure distance-bounding channel for RFID. Journal of Network and Computer Applications, 2011, 34, 877-887.	9.1	44
186	Using NFC-enabled phones for remote data acquisition and digital control. , 2011, , .		27
187	Practical eavesdropping and skimming attacks on high-frequency RFID tokens. Journal of Computer Security, 2011, 19, 259-288.	0.8	43
188	On the security issues of NFC enabled mobile phones. International Journal of Internet Technology and Secured Transactions, 2010, 2, 336.	0.4	17
189	Opportunities and Challenges of Wireless Sensor Networks in Smart Grid. IEEE Transactions on Industrial Electronics, 2010, 57, 3557-3564.	7.9	1,069
190	A location based security framework for authenticating mobile phones. , 2010, , .		5
191	Using 3G network components to enable NFC mobile transactions and authentication. , 2010, , .		36
192	NFC Mobile Transactions and Authentication Based on GSM Network. , 2010, , .		54
193	A Security Framework Model with Communication Protocol Translator Interface for Enhancing NFC Transactions. , 2010, , .		8
194	Practical NFC Peer-to-Peer Relay Attack Using Mobile Phones. Lecture Notes in Computer Science, 2010, , 35-49.	1.3	116
195	A contribution to solution for the problem of human controlled object model definition. , 2009, , .		0
196	Attacking smart card systems: Theory and practice. Information Security Technical Report, 2009, 14, 46-56.	1.3	70
197	Transport ticketing security and fraud controls. Information Security Technical Report, 2009, 14, 87-95.	1.3	11
198	Confidence in smart token proximity: Relay attacks revisited. Computers and Security, 2009, 28, 615-627.	6.0	82

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199	Industrial Wireless Sensor Networks: Challenges, Design Principles, and Technical Approaches. IEEE Transactions on Industrial Electronics, 2009, 56, 4258-4265.	7.9	1,282
200	Evaluating and optimising accelerometer-based gesture recognition techniques for mobile devices. , 2009, , .		21
201	On the way towards model for background of decisions on engineering objects in PLM. , 2009, , .		1
202	Potential misuse of NFC enabled mobile phones with embedded security elements as contactless attack platforms. , 2009, , .		22
203	Modelling a Wireless Sensor Network as a Small World Network. , 2009, , .		5
204	Secure Proximity Identification for RFID. Wireless Networks and Mobile Communications, 2009, , .	1.0	1
205	An XML Model for Use Across Heterogeneous Clientâ€“Server Applications. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2128-2135.	4.7	8
206	Attacks on time-of-flight distance bounding channels. , 2008, , .		56
207	An Investigation of Bluetooth Mergence with Ultra Wideband. , 2008, , .		1
208	RFID and Contactless Technology. , 2008, , 295-322.		5
209	Credibility of Routing Information in Wireless Sensor Networks. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	0
210	Content Orientation in Integrated Product Modeling. , 2007, , .		2
211	Comparing wireless sensor network routing protocols. , 2007, , .		3
212	Modulating a noisy carrier signal for eavesdropping-resistant HF RFID. Elektrotechnik Und Informationstechnik, 2007, 124, 404-408.	1.1	4
213	Practical attacks on proximity identification systems. , 2006, , .		81
214	An RFID Distance Bounding Protocol. , 0, , .		242
215	Wireless sensor networks for smart grid: research challenges and potential applications. , 0, , 265-278.		1