Gerhard Hancke

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3538960/publications.pdf

Version: 2024-02-01

215	14,305	47006 47	22166 113
papers	citations	h-index	g-index

223	223	223	12555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart Grid Technologies: Communication Technologies and Standards. IEEE Transactions on Industrial Informatics, 2011, 7, 529-539.	11.3	2,067
2	Industrial Wireless Sensor Networks: Challenges, Design Principles, and Technical Approaches. IEEE Transactions on Industrial Electronics, 2009, 56, 4258-4265.	7.9	1,282
3	Opportunities and Challenges of Wireless Sensor Networks in Smart Grid. IEEE Transactions on Industrial Electronics, 2010, 57, 3557-3564.	7.9	1,069
4	A Survey on Smart Grid Potential Applications and Communication Requirements. IEEE Transactions on Industrial Informatics, 2013, 9, 28-42.	11.3	920
5	A Survey on 5G Networks for the Internet of Things: Communication Technologies and Challenges. IEEE Access, 2018, 6, 3619-3647.	4.2	920
6	The Role of Advanced Sensing in Smart Cities. Sensors, 2013, 13, 393-425.	3.8	447
7	A Survey on Software-Defined Wireless Sensor Networks: Challenges and Design Requirements. IEEE Access, 2017, 5, 1872-1899.	4.2	360
8	Introduction to Industrial Control Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 860-880.	39.4	354
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	A Survey on Urban Traffic Management System Using Wireless Sensor Networks. Sensors, 2016, 16, 157.	3.8	256
11	An RFID Distance Bounding Protocol. , 0, , .		242
12	A Review on Challenges of Autonomous Mobile Robot and Sensor Fusion Methods. IEEE Access, 2020, 8, 39830-39846.	4.2	221
13	Security of Distance-Bounding. ACM Computing Surveys, 2019, 51, 1-33.	23.0	215
14	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
15	Smart Grid and Smart Homes: Key Players and Pilot Projects. IEEE Industrial Electronics Magazine, 2012, 6, 18-34.	2.6	161
16	Software Defined Networking for Improved Wireless Sensor Network Management: A Survey. Sensors, 2017, 17, 1031.	3.8	159
17	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
18	Using Cognitive Radio for Interference-Resistant Industrial Wireless Sensor Networks: An Overview. IEEE Transactions on Industrial Informatics, 2015, 11, 1466-1481.	11.3	127

#	Article	IF	Citations
19	Environmental Monitoring Systems: A Review. IEEE Sensors Journal, 2013, 13, 1329-1339.	4.7	126
20	IoT in the Wake of COVID-19: A Survey on Contributions, Challenges and Evolution. IEEE Access, 2020, 8, 186821-186839.	4.2	126
21	A Zigbee-Based Animal Health Monitoring System. IEEE Sensors Journal, 2015, 15, 610-617.	4.7	122
22	Practical NFC Peer-to-Peer Relay Attack Using Mobile Phones. Lecture Notes in Computer Science, 2010, , 35-49.	1.3	116
23	Experimental Link Quality Characterization of Wireless Sensor Networks for Underground Monitoring. IEEE Transactions on Industrial Informatics, 2015, 11, 1099-1110.	11.3	111
24	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
25	A Survey on Adaptive Data Rate Optimization in LoRaWAN: Recent Solutions and Major Challenges. Sensors, 2020, 20, 5044.	3.8	101
26	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
27	Unimodal and Multimodal Biometric Sensing Systems: A Review. IEEE Access, 2016, 4, 7532-7555.	4.2	95
28	Denial of Service Defence for Resource Availability in Wireless Sensor Networks. IEEE Access, 2018, 6, 6975-7004.	4.2	94
29	A Statistical Approach to Detect Jamming Attacks in Wireless Sensor Networks. Sensors, 2018, 18, 1691.	3.8	94
30	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
31	Traffic Management for Emergency Vehicle Priority Based on Visual Sensing. Sensors, 2016, 16, 1892.	3.8	89
32	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. IEEE Transactions on Industrial Informatics, 2016, 12, 28-40.	11.3	89
33	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
34	Confidence in smart token proximity: Relay attacks revisited. Computers and Security, 2009, 28, 615-627.	6.0	82
35	Practical attacks on proximity identification systems. , 2006, , .		81
36	Air Quality Monitoring System Based on ISO/IEC/IEEE 21451 Standards. IEEE Sensors Journal, 2016, 16, 5037-5045.	4.7	77

#	Article	IF	Citations
37	The Generic Design of a High-Traffic Advanced Metering Infrastructure Using ZigBee. IEEE Transactions on Industrial Informatics, 2014, 10, 836-844.	11.3	75
38	Security and Privacy in the Industrial Internet of Things: Current Standards and Future Challenges. IEEE Access, 2020, 8, 152351-152366.	4.2	74
39	Dynamic Connectivity in Wireless Underground Sensor Networks. IEEE Transactions on Wireless Communications, 2011, 10, 4334-4344.	9.2	73
40	Open Hardware: A Role to Play in Wireless Sensor Networks?. Sensors, 2015, 15, 6818-6844.	3.8	73
41	Industrial Cyberphysical Systems: Realizing Cloud-Based Big Data Infrastructures. IEEE Industrial Electronics Magazine, 2018, 12, 25-35.	2.6	73
42	Attacking smart card systems: Theory and practice. Information Security Technical Report, 2009, 14, 46-56.	1.3	70
43	Benchmarking Internet of things devices. , 2014, , .		68
44	Implementing the Internet of Things vision in industrial wireless sensor networks. , 2014, , .		66
45	A review on face recognition systems: recent approaches and challenges. Multimedia Tools and Applications, 2020, 79, 27891-27922.	3.9	58
46	Attacks on time-of-flight distance bounding channels. , 2008, , .		56
47	NFC Mobile Transactions and Authentication Based on GSM Network. , 2010, , .		54
48	Distance Bounding: A Practical Security Solution for Real-Time Location Systems. IEEE Transactions on Industrial Informatics, 2013, 9, 16-27.	11.3	53
49	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
50	The Fall of One, the Rise of Many: A Survey on Multi-Biometric Fusion Methods. IEEE Access, 2017, 5, 6247-6289.	4.2	52
51	A Survey on LPWAN Technologies in WBAN for Remote Health-Care Monitoring. Sensors, 2019, 19, 5268.	3.8	51
52	Fragmentation-Based Distributed Control System for Software-Defined Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 901-910.	11.3	50
53	Machine-to-Machine: Possible applications in industrial networks. , 2013, , .		47
54	Localised information fusion techniques for location discovery in wireless sensor networks. International Journal of Sensor Networks, 2018, 26, 12.	0.4	47

#	Article	IF	Citations
55	Attack detection in water distribution systems using machine learning. Human-centric Computing and Information Sciences, 2019, 9, .	6.1	47
56	Design of a secure distance-bounding channel for RFID. Journal of Network and Computer Applications, 2011, 34, 877-887.	9.1	44
57	Practical eavesdropping and skimming attacks on high-frequency RFID tokens. Journal of Computer Security, 2011, 19, 259-288.	0.8	43
58	Ranging Error Mitigation for Through-the-Wall Non-Line-of-Sight Conditions. IEEE Transactions on Industrial Informatics, 2020, 16, 6903-6911.	11.3	42
59	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
60	Current Status of the IEEE 1451 Standard-Based Sensor Applications. IEEE Sensors Journal, 2015, 15, 2505-2513.	4.7	41
61	Security in software-defined wireless sensor networks: Threats, challenges and potential solutions. , 2017, , .		41
62	Performance Costs of Software Cryptography in Securing New-Generation Internet of Energy Endpoint Devices. IEEE Access, 2018, 6, 9303-9323.	4.2	38
63	ns-2 extension to simulate localization system in wireless sensor networks. , 2011, , .		37
64	Using 3G network components to enable NFC mobile transactions and authentication. , 2010, , .		36
65	Distance-bounding for RFID: Effectiveness of ‘terrorist fraud’ in the presence of bit errors. , 2012, , .		36
66	Actor coordination using info-gap decision theory in wireless sensor and actor networks. International Journal of Sensor Networks, 2011, 10, 177.	0.4	35
67	A 2-D Acoustic Source Localization System for Drones in Search and Rescue Missions. IEEE Sensors Journal, 2019, 19, 332-341.	4.7	35
68	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
69	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
70	A Generic NFC-enabled Measurement System for Remote Monitoring and Control of Client-side Equipment. , 2011, , .		30
71	ALWadHA Localization Algorithm: Yet More Energy Efficient. IEEE Access, 2017, 5, 6661-6667.	4.2	30
72	Deformable Object Tracking With Gated Fusion. IEEE Transactions on Image Processing, 2019, 28, 3766-3777.	9.8	29

#	Article	IF	Citations
73	Evaluating ALWadHA for providing secure localisation for wireless sensor networks. , 2013, , .		28
74	Towards a distributed control system for software defined Wireless Sensor Networks. , 2017, , .		28
75	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
76	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
77	Using NFC-enabled phones for remote data acquisition and digital control. , 2011, , .		27
78	A Hybrid Multi-Class MAC Protocol for IoT-Enabled WBAN Systems. IEEE Sensors Journal, 2021, 21, 6761-6774.	4.7	27
79	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
80	Overlay Virtualized Wireless Sensor Networks for Application in Industrial Internet of Things: A Review. Sensors, 2018, 18, 3215.	3.8	26
81	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
82	Potential misuse of NFC enabled mobile phones with embedded security elements as contactless attack platforms. , 2009, , .		22
83	Low Power Wide Area Network, Cognitive Radio and the Internet of Things: Potentials for Integration. Sensors, 2020, 20, 6837.	3.8	22
84	Towards achieving efficient MAC protocols for WBAN-enabled IoT technology: a review. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	22
85	Evaluating and optimising accelerometer-based gesture recognition techniques for mobile devices. , 2009, , .		21
86	Automatic fine-grained access control in SCADA by machine learning. Future Generation Computer Systems, 2019, 93, 548-559.	7.5	21
87	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
88	A Session Hijacking Attack Against a Device-Assisted Physical-Layer Key Agreement. IEEE Transactions on Industrial Informatics, 2020, 16, 691-702.	11.3	20
89	Guest Editorial Special Section on Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2014, 10, 762-765.	11.3	19
90	Fast Convergence Cooperative Dynamic Spectrum Access for Cognitive Radio Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 3386-3394.	11.3	18

#	Article	IF	Citations
91	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
92	On the security issues of NFC enabled mobile phones. International Journal of Internet Technology and Secured Transactions, 2010, 2, 336.	0.4	17
93	A Web-Based Office Climate Control System Using Wireless Sensors. IEEE Sensors Journal, 2016, 16, 6104-6113.	4.7	17
94	Analysis of Bluetooth Low Energy (BLE) Based Indoor Localization System with Multiple Transmission Power Levels. , 2018, , .		17
95	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
96	CACC: Contextâ€aware congestion control approach for lightweight CoAP/UDPâ€based Internet of Things traffic. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3822.	3.9	17
97	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
98	Two-Hop Distance-Bounding Protocols: Keep Your Friends Close. IEEE Transactions on Mobile Computing, 2018, 17, 1723-1736.	5.8	16
99	A Provenance-Aware Distributed Trust Model for Resilient Unmanned Aerial Vehicle Networks. IEEE Internet of Things Journal, 2021, 8, 12481-12489.	8.7	16
100	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
101	Energy-Aware Hybrid MAC Protocol for IoT Enabled WBAN Systems. IEEE Sensors Journal, 2022, 22, 2685-2699.	4.7	16
102	Guest Editorial Special Section on Information Technologies in Smart Grids. IEEE Transactions on Industrial Informatics, 2013, 9, 1380-1383.	11.3	15
103	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
104	Wireless Positioning in Underground Mines: Challenges and Recent Advances. IEEE Industrial Electronics Magazine, 2021, 15, 39-48.	2.6	14
105	Localised Information Fusion Techniques for Location Discovery in Wireless Sensor Networks. International Journal of Sensor Networks, 2017, 1, 1.	0.4	14
106	Guest Editorial: Sustainable and Intelligent Precision Agriculture. IEEE Transactions on Industrial Informatics, 2021, 17, 4318-4321.	11.3	13
107	Privacy-Preserving Group Authentication for RFID Tags Using Bit-Collision Patterns. IEEE Internet of Things Journal, 2021, 8, 11607-11620.	8.7	13
108	Industrial wireless sensor networks: A selection of challenging applications. , 2012, , .		12

#	Article	IF	Citations
109	Positioning infrastructure for industrial automation systems based on UWB wireless communication. , 2014, , .		12
110	Wearable security: Key derivation for Body Area sensor Networks based on host movement. , 2016, , .		12
111	Indoor Localization using Wireless Fidelity (WiFi) and Bluetooth Low Energy (BLE) signals. , 2019, , .		12
112	Behavioural Intrusion Detection in Water Distribution Systems Using Neural Networks. IEEE Access, 2020, 8, 190403-190416.	4.2	12
113	Transport ticketing security and fraud controls. Information Security Technical Report, 2009, 14, 87-95.	1.3	11
114	Using Distance-Bounding Protocols to Securely Verify the Proximity of Two-Hop Neighbours. IEEE Communications Letters, 2015, 19, 1173-1176.	4.1	11
115	<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.	7.5	11
116	Cryptography Methods for Software-Defined Wireless Sensor Networks. , 2018, , .		11
117	A Review of Artificial Intelligence Based Intrusion Detection for Software-Defined Wireless Sensor Networks. , 2019, , .		11
118	Survey of Proximity Based Authentication Mechanisms for the Industrial Internet of Things. , 2018, , .		10
119	SDNMMâ€"A Generic SDN-Based Modular Management System for Wireless Sensor Networks. IEEE Systems Journal, 2020, 14, 2347-2357.	4.6	10
120	Smart Microgrid Energy Market: Evaluating Distributed Ledger Technologies for Remote and Constrained Microgrid Deployments. Electronics (Switzerland), 2021, 10, 714.	3.1	10
121	Energy consumption audit system for smart building. , 2014, , .		9
122	Practical limitation of co-operative RFID jamming methods in environments without accurate signal synchronization. Computer Networks, 2016, 105, 224-236.	5.1	9
123	A session hijacking attack on physical layer key generation agreement. , 2017, , .		9
124	Behavioural sensor data as randomness source for IoT devices. , 2017, , .		9
125	Review of state-of-the-art wireless technologies and applications in smart cities. , 2017, , .		9
126	Practical Comparison between COAP and MQTT - Sensor to Server level. , 2018, , .		9

#	Article	IF	Citations
127	Behavioral Acoustic Emanations: Attack and Verification of PIN Entry Using Keypress Sounds. Sensors, 2020, 20, 3015.	3.8	9
128	An XML Model for Use Across Heterogeneous Clientâ€“Server Applications. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2128-2135.	4.7	8
129	A Security Framework Model with Communication Protocol Translator Interface for Enhancing NFC Transactions. , 2010, , .		8
130	DTLS for Lightweight Secure Data Streaming in the Internet of Things. , 2014, , .		8
131	Towards non-line-of-sight ranging error mitigation in industrial wireless sensor networks. , 2016, , .		8
132	User-Centric Key Entropy: Study of Biometric Key Derivation Subject to Spoofing Attacks. Entropy, 2017, 19, 70.	2.2	8
133	Exploring Control-Message Quenching in SDN-based Management of 6LoWPANs. , 2019, , .		8
134	SurveilNet: A Lightweight Anomaly Detection System for Cooperative IoT Surveillance Networks. IEEE Sensors Journal, 2021, 21, 25293-25306.	4.7	7
135	Non-Line-of-Sight Identification Without Channel Statistics. , 2020, , .		7
136	Smartphones as a platform for advanced measurement and processing. , 2012, , .		6
137	Design of a controller for a universal input/output port. , 2012, , .		6
138	Enhanced centroid localization of wireless sensor nodes using linear and neighbor weighting mechanisms. , 2015, , .		6
139	Developing a Secure, Smart Microgrid Energy Market using Distributed Ledger Technologies. , 2019, , .		6
140	SMPKR: Search Engine for Internet of Things. IEEE Access, 2019, 7, 163615-163625.	4.2	6
141	Design and Implementation of an Electrical Tamper Detection System. , 2019, , .		6
142	Preventing Overshadowing Attacks in Self-Jamming Audio Channels. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 45-57.	5.4	6
143	Interference Avoidance Resource Allocation for D2D-Enabled 5G Narrowband Internet of Things. IEEE Internet of Things Journal, 2022, 9, 22752-22764.	8.7	6
144	Modelling a Wireless Sensor Network as a Small World Network. , 2009, , .		5

#	Article	IF	Citations
145	A location based security framework for authenticating mobile phones. , 2010, , .		5
146	Energy Efficient Scalable Video Manycast in Wireless Ad-hoc NETworks. , 2016, , .		5
147	Cognitiva â€" A cognitive industrial wireless network protocol: Protocol design and testbed implementation. , 2016, , .		5
148	Pose estimation of a mobile robot using monocular vision and inertial sensors data. , 2017, , .		5
149	An Ultrasonic Indoor Positioning System for Harsh Environments. , 2018, , .		5
150	A Comparison of Data Aggregation Techniques in Software-Defined Wireless Sensor Network. , 2019, , .		5
151	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
152	AACS: Attribute-Based Access Control Mechanism for Smart Locks. Symmetry, 2020, 12, 1050.	2.2	5
153	Enabling a Battery-Less Sensor Node Using Dedicated Radio Frequency Energy Harvesting for Complete Off-Grid Applications. Energies, 2020, 13, 5402.	3.1	5
154	Software-Defined Power Grids: A Survey on Opportunities and Taxonomy for Microgrids. IEEE Access, 2021, 9, 98973-98991.	4.2	5
155	Collaborative Industrial Internet of Things for Noise Mapping: Prospects and Research Opportunities. IEEE Industrial Electronics Magazine, 2021, 15, 52-64.	2.6	5
156	RFID and Contactless Technology. , 2008, , 295-322.		5
157	Modulating a noisy carrier signal for eavesdropping-resistant HF RFID. Elektrotechnik Und Informationstechnik, 2007, 124, 404-408.	1.1	4
158	On link quality aware routing for industrial wireless sensor networks. , 2013, , .		4
159	Development of a robust active infraredâ€based eye tracker. IET Computer Vision, 2014, 8, 523-534.	2.0	4
160	HB+DB, mitigating man-in-the-middle attacks against HB+ with distance bounding. , 2015, , .		4
161	Wearable device localisation using machine learning techniques. , 2016, , .		4
162	Energy efficient irrigation scheduling system based on the ISO/IEC/IEEE 21451 standards. , 2017, , .		4

#	Article	IF	Citations
163	Sleep scheduling for critical nodes in group-based industrial wireless sensor networks. , 2017, , .		4
164	Energy utilization concerned sleep scheduling in Wireless Powered Communication Networks. , 2017, , .		4
165	Improving northbound interface communication in SDWSN. , 2017, , .		4
166	Programmable Node in Software-Defined Wireless Sensor Networks: A Review. , 2018, , .		4
167	Comparison between COAP and MQTT - Server to Business System level. , 2018, , .		4
168	Problem of Wireless Fingerprint Duplication in Fingerprinting Based Indoor Localization. , 2018, , .		4
169	Energy-Efficient Distance-Bounding with Residual Charge Computation. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 365-376.	4.6	4
170	An optimizationâ€based congestion control for constrained application protocol. International Journal of Network Management, 2022, 32, e2178.	2.2	4
171	RFID and Contactless Technology. , 2017, , 351-385.		4
172	Comparing wireless sensor network routing protocols. , 2007, , .		3
173	Public key cryptography: Feasible for security in modern personal area sensor networks?. , 2016, , .		3
174	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
175	A Review of Wireless Sensor Network Localisation Based on Software Defined Networking. , 2019, , .		3
176	Security Implications of Implementing Multistate Distance-Bounding Protocols. , 2019, , .		3
177	Data Aggregation in Software-Defined Wireless Sensor Networks: A Review. , 2019, , .		3
178	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
179	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
180	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

#	Article	IF	Citations
181	A Delegated Proof of Proximity Scheme for Industrial Internet of Things Consensus. , 2020, , .		3
182	Content Orientation in Integrated Product Modeling. , 2007, , .		2
183	Tag Group Authentication Using Bit-Collisions. , 2012, , .		2
184	Classifying tachycardias via high dimensional linear discriminant function and perceptron with mult-piece domain activation function. , 2015, , .		2
185	Guest Editorial Healthcare Systems and Technologies. IEEE Transactions on Industrial Informatics, 2016, 12, 2266-2268.	11.3	2
186	Exploring relationship between indistinguishability-based and unpredictability-based RFID privacy models. Future Generation Computer Systems, 2018, 82, 315-326.	7.5	2
187	An Approach to Improve Location Accuracy in Non-Line-of-Sight Scenarios using Floor Plans. , 2019, , .		2
188	From Relay Attacks to Distance-Bounding Protocols. , 2021, , 113-130.		2
189	OTP-Based Symmetric Group Key Establishment Scheme for IoT Networks. , 2021, , .		2
190	Revisiting Error-Correction in Precommitment Distance-Bounding Protocols. IEEE Transactions on Industrial Informatics, 2022, 18, 7097-7106.	11.3	2
191	Quantum-Safe Group Key Establishment Protocol from Lattice Trapdoors. Sensors, 2022, 22, 4148.	3.8	2
192	An Investigation of Bluetooth Mergence with Ultra Wideband. , 2008, , .		1
193	On the way towards model for background of decisions on engineering objects in PLM. , 2009, , .		1
194	Wireless sensor networks for smart grid: research challenges and potential applications. , 0, , 265-278.		1
195	A remote moniotring patient Homecare Gateway supporting streaming vital sign monitoring. , 2013, , .		1
196	Dynamic spectrum allocation for smart meter networks and WSNs in the presence of household consumer networks. , 2014, , .		1
197	A framework for user-centric key sharing in personal sensor networks. , 2016, , .		1
198	Efficient video multicast in wireless surveillance networks for intelligent building. , 2016, , .		1

#	Article	IF	Citations
199	End-to-End Wireless Control Plane for SDN in Data Centers. , 2019, , .		1
200	Approaches for Best-Effort Relay-Resistant Channels on Standard Contactless Channels. , 2019, , .		1
201	Guest editorial: IoT sensing, applications, and technologies for smart sustainable cities. IET Smart Cities, 2021, 3, 121-124.	3.1	1
202	Secure Proximity Identification for RFID. Wireless Networks and Mobile Communications, 2009, , .	1.0	1
203	Self-jamming Audio Channels: Investigating the Feasibility of Perceiving Overshadowing Attacks. Lecture Notes in Computer Science, 2017, , 188-203.	1.3	1
204	IoT Bicycle Sharing Service for Smart City Transport. , 2021, , .		1
205	Credibility of Routing Information in Wireless Sensor Networks. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	0
206	A contribution to solution for the problem of human controlled object model definition. , 2009, , .		0
207	A hub-odometer sensor network for road user charges. , 2014, , .		0
208	A service-oriented architecture for wireless video sensor networks: Opportunities and challenges. , 2015, , .		0
209	May the Force Be with You: Force-Based Relay Attack Detection. Lecture Notes in Computer Science, 2018, , 142-159.	1.3	0
210	Comparison of Localisation Estimation Algorithms in Software Defined Wireless Sensor Networks. , 2019, , .		0
211	Activity Identification using Inertial Measuring Unit Advanced Sensor Network. , 2019, , .		0
212	Correlation-Based Search against Friendly Jamming Data Exchange Schemes. , 2019, , .		0
213	Feasibility of Inferring Keystrokes on PEDs with Sensors from Mobile Devices. , 2021, , .		0
214	Mobile Proximity Channel Using Vibration. , 2021, , .		0
215	Guest Editorial: Reliability and Security for Intelligent Wireless Sensing and Control Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2651-2655.	11.3	0