Gianmarco Baldini

List of Publications by Year
in descending order

55 papers	1,252 citations	471477 17 h-index	414395 32 g-index
55 all docs	55 docs citations	55 times ranked	1166 citing authors

#	Article	IF	Citations
1	Evaluating Federated Learning for intrusion detection in Internet of Things: Review and challenges. Computer Networks, 2022, 203, 108661.	5.1	51
2	Online Distributed Denial of Service (DDoS) intrusion detection based on adaptive sliding window and morphological fractal dimension. Computer Networks, 2022, 210, 108923.	5.1	2
3	VetaDetect: Vehicle tampering detection with closed-loop model ensemble. International Journal of Critical Infrastructure Protection, 2022, 37, 100525.	4.6	4
4	Effect of Tampering on On-Road and Off-Road Diesel Vehicle Emissions. Sustainability, 2022, 14, 6065.	3.2	8
5	Detection of cybersecurity spoofing attacks in vehicular networks with recurrence quantification analysis. Computer Communications, 2022, 191, 486-499.	5.1	4
6	Security and Privacy in Internet of Things-Enabled Smart Cities: Challenges and Future Directions. IEEE Security and Privacy, 2021, 19, 12-23.	1.2	14
7	Defining the Behavior of IoT Devices Through the MUD Standard: Review, Challenges, and Research Directions. IEEE Access, 2021, 9, 126265-126285.	4.2	7
8	A Survey of Cybersecurity Certification for the Internet of Things. ACM Computing Surveys, 2021, 53, 1-36.	23.0	34
9	On the application of sensor authentication with intrinsic physical features to vehicle security. Computers and Electrical Engineering, 2021, 91, 107053.	4.8	3
10	Intrusion Detection Based on Gray-Level Co-Occurrence Matrix and 2D Dispersion Entropy. Applied Sciences (Switzerland), 2021, 11, 5567.	2.5	4
11	Performance Analysis of Long Short-Term Memory-Based Markovian Spectrum Prediction. IEEE Access, 2021, 9, 149582-149595.	4.2	2
12	Intrusion detection systems in in-vehicle networks based on bag-of-words. , 2021, , .		4
13	On the Application of Time Frequency Convolutional Neural Networks to Road Anomaliesâ€™ Identification with Accelerometers and Gyroscopes. Sensors, 2020, 20, 6425.	3.8	19
14	Autopolicy: Automated Traffic Policing for Improved IoT Network Security. Sensors, 2020, 20, 4265.	3.8	4
15	On the Application of Entropy Measures with Sliding Window for Intrusion Detection in Automotive In-Vehicle Networks. Entropy, 2020, 22, 1044.	2.2	10
16	An Evaluation of Entropy Measures for Microphone Identification. Entropy, 2020, 22, 1235.	2.2	11
17	Mitigation of Privacy Threats due to Encrypted Traffic Analysis through a Policy-Based Framework and MUD Profiles. Symmetry, 2020, 12, 1576.	2.2	5
18	Transient-Based Internet of Things Emitter Identification Using Convolutional Neural Networks and Optimized General Linear Chirplet Transform. IEEE Communications Letters, 2020, 24, 1482-1486.	4.1	14

#	ARTICLE	IF	CITATIONS
19	An Interledger Blockchain Platform for Cross-Border Management of Cybersecurity Information. IEEE Internet Computing, 2020, 24, 19-29.	3.3	15
20	Mitigation of Odometer Fraud for In-Vehicle Security Using the Discrete Hartley Transform. , 2020, , .		6
21	Risk-based automated assessment and testing for the cybersecurity certification and labelling of IoT devices. Computer Standards and Interfaces, 2019, 62, 64-83.	5.4	58
22	A Policy-based Framework in Fog enabled Internet of Things for Cooperative ITS. , 2019, , .		4
23	Microphone Identification Using Convolutional Neural Networks. , 2019, 3, 1-4.		19
24	Radiometric identification using variational mode decomposition. Computers and Electrical Engineering, 2019, 76, 364-378.	4.8	10
25	Comparison of techniques for radiometric identification based on deep convolutional neural networks. Electronics Letters, 2019, 55, 90-92.	1.0	50
26	Toward a Blockchain-based Platform to Manage Cybersecurity Certification of IoT devices. , 2019, , .		15
27	Smartphones Identification Through the Built-In Microphones With Convolutional Neural Network. IEEE Access, 2019, 7, 158685-158696.	4.2	14
28	Continuous Authentication of Automotive Vehicles Using Inertial Measurement Units. Sensors, 2019, 19, 5283.	3.8	4
29	Physical layer authentication of Internet of Things wireless devices using convolutional neural networks and recurrence plots. Internet Technology Letters, 2019, 2, e81.	1.9	15
30	Ethical Design in the Internet of Things. Science and Engineering Ethics, 2018, 24, 905-925.	2.9	127
31	Regulated applications for the road transportation infrastructure: The case study of the smart tachograph in the European Union. International Journal of Critical Infrastructure Protection, 2018, 21, 3-21.	4.6	21
32	Physical Layer Authentication and Identification of Wireless Devices Using the Synchrosqueezing Transform. Applied Sciences (Switzerland), 2018, 8, 2167.	2.5	21
33	Road Safety Features Identification Using the Inertial Measurement Unit. , 2018, 2, 1-4.		7
34	Speed Consistency in the Smart Tachograph. Sensors, 2018, 18, 1583.	3.8	3
35	A Survey of Techniques for the Identification of Mobile Phones Using the Physical Fingerprints of the Built-In Components. IEEE Communications Surveys and Tutorials, 2017, 19, 1761-1789.	39.4	79
36	An Experimental Evaluation of Low-Cost GNSS Jamming Sensors. Navigation, Journal of the Institute of Navigation, 2017, 64, 93-109.	2.8	15

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37	An Analysis of the Privacy Threat in Vehicular Ad Hoc Networks due to Radio Frequency Fingerprinting. Mobile Information Systems, 2017, 2017, 1-13.	0.6	3
38	GNSS Receiver Identification Using Clock-Derived Metrics. Sensors, 2017, 17, 2120.	3.8	5
39	Identification of Mobile Phones Using the Built-In Magnetometers Stimulated by Motion Patterns. Sensors, 2017, 17, 783.	3.8	15
40	Experimental Identification of Smartphones Using Fingerprints of Built-In Micro-Electro Mechanical Systems (MEMS). Sensors, 2016, 16, 818.	3.8	28
41	Experimental passive eavesdropping of Digital Enhanced Cordless Telecommunication voice communications through low-cost software-defined radios. Security and Communication Networks, 2015, 8, 403-417.	1.5	6
42	An agent-based framework for Informed Consent in the internet of things. , 2015, , .		22
43	SecKit: A Model-based Security Toolkit for the Internet of Things. Computers and Security, 2015, 54, 60-76.	6.0	96
44	Experimental detection of mobile satellite transmissions with cyclostationary features. International Journal of Satellite Communications and Networking, 2015, 33, 163-183.	1.8	17
45	Building Trust in the Human?Internet of Things Relationship. IEEE Technology and Society Magazine, 2014, 33, 73-80.	0.8	39
46	Enforcement of security policy rules for the Internet of Things. , 2014, , .		64
47	A Model-Based Security Toolkit for the Internet of Things. , 2014, , .		19
48	An urn occupancy approach for cognitive radio networks in DTVB white spaces. Telecommunication Systems, 2014, 56, 229-244.	2.5	2
49	A Software Radio Implementation of Centralized MAC Protocol for Cognitive Radio Networks. Wireless Personal Communications, 2013, 68, 1147-1175.	2.7	5
50	The evolution of cognitive radio technology in Europe: Regulatory and standardization aspects. Telecommunications Policy, 2013, 37, 96-107.	5.3	20
51	Future of wireless communication: RadioApps and related security and radio computer framework. IEEE Wireless Communications, 2012, 19, 9-16.	9.0	11
52	Public Safety Communications: Enhancement Through Cognitive Radio and Spectrum Sharing Principles. IEEE Vehicular Technology Magazine, 2012, 7, 54-61.	3.4	38
53	An early warning system for detecting GSM-R wireless interference in the high-speed railway infrastructure. International Journal of Critical Infrastructure Protection, 2010, 3, 140-156.	4.6	34
54	ETSI reconfigurable radio systems: status and future directions on software defined radio and cognitive radio standards. IEEE Communications Magazine, 2010, 48, 78-86.	6.1	125

#	Article	IF	Citations
55	Experimentally detecting IEEE 802.11n Wi-Fi based on cyclostationarity features for ultra-wide band cognitive radios. , 2009, , .		20