

Massimiliano Albanese

List of Publications by Year in Descending Order

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

81
papers

979
citations

19
h-index

28
g-index

92
ext. papers

1,163
ext. citations

1.9
avg, IF

4.51
L-index

#	Paper	IF	Citations
81	Performance Modeling of Moving Target Defenses with Reconfiguration Limits. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 18, 205-219	3.9	14
80	FingerPIN: An Authentication Mechanism Integrating Fingerprints and Personal Identification Numbers. <i>Communications in Computer and Information Science</i> , 2021 , 500-511	0.3	0
79	Security and trust in cloud application life-cycle management. <i>Future Generation Computer Systems</i> , 2020 , 111, 934-936	7.5	2
78	A Quantitative Framework to Model Reconnaissance by Stealthy Attackers and Support Deception-Based Defenses 2020 ,		2
77	Adaptive Cyber Defenses for Botnet Detection and Mitigation. <i>Lecture Notes in Computer Science</i> , 2019 , 156-205	0.9	2
76	Online and Scalable Adaptive Cyber Defense. <i>Lecture Notes in Computer Science</i> , 2019 , 232-261	0.9	1
75	Moving Target Defense Quantification. <i>Lecture Notes in Computer Science</i> , 2019 , 94-111	0.9	3
74	Proactive Defense Through Deception. <i>Advances in Information Security</i> , 2019 , 169-202	0.7	1
73	Defending from Stealthy Botnets Using Moving Target Defenses. <i>IEEE Security and Privacy</i> , 2018 , 16, 92-97	2	16
72	A Graphical Model to Assess the Impact of Multi-Step Attacks. <i>Journal of Defense Modeling and Simulation</i> , 2018 , 15, 79-93	0.4	11
71	DeBot: A novel network-based mechanism to detect exfiltration by architectural stealthy botnets. <i>Security and Privacy</i> , 2018 , 1, e51	1.8	0
70	MTD 2018 2018 ,		2
69	On Defensive Cyber Deception: A Case Study Using SDN 2018 ,		2
68	Measuring the Effectiveness of Network Deception 2018 ,		1
67	From Cyber Situational Awareness to Adaptive Cyber Defense: Leveling the Cyber Playing Field. <i>Lecture Notes in Computer Science</i> , 2018 , 1-23	0.9	
66	From idea to prototype: Introducing students to entrepreneurship 2017 ,		3
65	Computer-Aided Human Centric Cyber Situation Awareness. <i>Lecture Notes in Computer Science</i> , 2017 , 3-25	0.9	5

64	Detecting Stealthy Botnets in a Resource-Constrained Environment using Reinforcement Learning 2017,		14
63	Performance Modeling of Moving Target Defenses 2017,		19
62	An Integrated Framework for Cyber Situation Awareness. <i>Lecture Notes in Computer Science, 2017, 29-46</i> .	0.9	7
61	A Framework for Moving Target Defense Quantification. <i>IFIP Advances in Information and Communication Technology, 2017, 124-138</i>	0.5	7
60	Deceiving Attackers by Creating a Virtual Attack Surface 2016, 167-199		15
59	A Moving Target Defense Approach to Disrupting Stealthy Botnets 2016,		27
58	Network Diversity: A Security Metric for Evaluating the Resilience of Networks Against Zero-Day Attacks. <i>IEEE Transactions on Information Forensics and Security, 2016, 11, 1071-1086</i>	8	62
57	Moving Target Defense against DDoS Attacks 2016,		17
56	A moving target defense approach to mitigate DDoS attacks against proxy-based architectures 2016,		26
55	A quantitative risk assessment framework for adaptive Intrusion Detection in the cloud 2016,		1
54	Security and Privacy Issues in Social Networks. <i>Data-centric Systems and Applications, 2015, 195-209</i>	0	6
53	Keeping Intruders at Bay: A Graph-theoretic Approach to Reducing the Probability of Successful Network Intrusions. <i>Communications in Computer and Information Science, 2015, 191-211</i>	0.3	
52	Disrupting stealthy botnets through strategic placement of detectors 2015,		5
51	A deception based approach for defeating OS and service fingerprinting 2015,		11
50	Discovering the Top-k Unexplained Sequences in Time-Stamped Observation Data. <i>IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 577-594</i>	4.2	26
49	Next-generation technologies for preventing accidental death of children trapped in parked vehicles 2014,		6
48	An Efficient Framework for Evaluating the Risk of Zero-Day Vulnerabilities. <i>Communications in Computer and Information Science, 2014, 322-340</i>	0.3	2
47	Network Hardening. <i>SpringerBriefs in Computer Science, 2014,</i>	0.4	5

46	2014,			15
45	A probabilistic framework for jammer identification in MANETs. <i>Ad Hoc Networks</i> , 2014 , 14, 84-94	4.8		7
44	Attack Graph and Network Hardening. <i>SpringerBriefs in Computer Science</i> , 2014 , 15-22	0.4		3
43	Minimum-Cost Network Hardening. <i>SpringerBriefs in Computer Science</i> , 2014 , 23-38	0.4		2
42	Linear-Time Network Hardening. <i>SpringerBriefs in Computer Science</i> , 2014 , 39-58	0.4		2
41	A Multi-Layer Moving Target Defense Approach for Protecting Resource-Constrained Distributed Devices. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 299-324	0.4		8
40	Automated Cyber Situation Awareness Tools and Models for Improving Analyst Performance. <i>Advances in Information Security</i> , 2014 , 47-60	0.7		8
39	Modeling Network Diversity for Evaluating the Robustness of Networks against Zero-Day Attacks. <i>Lecture Notes in Computer Science</i> , 2014 , 494-511	0.9		24
38	Formation of Awareness. <i>Advances in Information Security</i> , 2014 , 47-62	0.7		3
37	Recognizing Unexplained Behavior in Network Traffic. <i>Advances in Information Security</i> , 2014 , 39-62	0.7		9
36	Securing Mission-Centric Operations in the Cloud 2014 , 239-259			2
35	2013,			23
34	Fast Activity Detection: Indexing for Temporal Stochastic Automaton-Based Activity Models. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 360-373	4.2		21
33	A Multimedia Recommender System. <i>ACM Transactions on Internet Technology</i> , 2013 , 13, 1-32	3.8		58
32	Reliable mission deployment in vulnerable distributed systems 2013 ,			4
31	A Logic Framework for Flexible and Security-Aware Service Composition 2013 ,			3
30	A moving target defense approach for protecting resource-constrained distributed devices 2013 ,			32
29	Measuring Trust in Big Data. <i>Lecture Notes in Computer Science</i> , 2013 , 241-248	0.9		3

28	Automated Coding of Decision Support Variables 2013 , 69-80		1
27	A Novel Strategy for Recommending Multimedia Objects and its Application in the Cultural Heritage Domain 2013 , 274-290		
26	A Probabilistic Framework for Distributed Localization of Attackers in MANETs. <i>Lecture Notes in Computer Science</i> , 2013 , 49-64	0.9	1
25	Time-efficient and cost-effective network hardening using attack graphs 2012 ,		47
24	A Probabilistic Framework for Localization of Attackers in MANETs. <i>Lecture Notes in Computer Science</i> , 2012 , 145-162	0.9	2
23	Finding Top-kappa Unexplained Activities in Video 2012 ,		6
22	Cauldron mission-centric cyber situational awareness with defense in depth 2011 ,		61
21	A Multimedia Semantic Recommender System for Cultural Heritage Applications 2011 ,		39
20	PLINI: A Probabilistic Logic Program Framework for Inconsistent News Information. <i>Lecture Notes in Computer Science</i> , 2011 , 347-376	0.9	3
19	Scalable Analysis of Attack Scenarios. <i>Lecture Notes in Computer Science</i> , 2011 , 416-433	0.9	24
18	Scalable Detection of Cyber Attacks. <i>Communications in Computer and Information Science</i> , 2011 , 9-18	0.3	4
17	A Novel Strategy for Recommending Multimedia Objects and its Application in the Cultural Heritage Domain. <i>International Journal of Multimedia Data Engineering and Management</i> , 2011 , 2, 1-18	0.6	2
16	A ranking method for multimedia recommenders 2010 ,		3
15	Modeling recommendation as a social choice problem 2010 ,		17
14	PADS: a probabilistic activity detection framework for video data. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 2246-61	13.3	22
13	A multimedia recommender integrating object features and user behavior. <i>Multimedia Tools and Applications</i> , 2010 , 50, 563-585	2.5	34
12	Semantic Video Content Analysis. <i>Studies in Computational Intelligence</i> , 2010 , 147-176	0.8	0
11	. <i>IEEE Transactions on Multimedia</i> , 2008 , 10, 1429-1443	6.6	29

10	. <i>IEEE Transactions on Multimedia</i> , 2008 , 10, 982-996	6.6	50
9	CARA: A Cultural-Reasoning Architecture. <i>IEEE Intelligent Systems</i> , 2007 , 22, 12-16	4.2	21
8	Story creation from heterogeneous data sources. <i>Multimedia Tools and Applications</i> , 2007 , 33, 351-377	2.5	8
7	MAGIC: A Multi-Activity Graph Index for Activity Detection 2007 ,		2
6	The priority curve algorithm for video summarization. <i>Information Systems</i> , 2006 , 31, 679-695	2.7	15
5	Information Retrieval from the Web: An Interactive Paradigm. <i>Lecture Notes in Computer Science</i> , 2005 , 17-32	0.9	9
4	A web personalization system based on web usage mining techniques 2004 ,		7
3	Web personalization based on static information and dynamic user behavior 2004 ,		10
2	A multimedia data base browsing system 2004 ,		1
1	A Formal Model for Video Shot Segmentation and its Application via Animate Vision. <i>Multimedia Tools and Applications</i> , 2004 , 24, 253-272	2.5	11