

# Massimiliano Albanese

## List of Publications by Citations

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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	Network Diversity: A Security Metric for Evaluating the Resilience of Networks Against Zero-Day Attacks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2016</b> , 11, 1071-1086	8	62
80	Cauldron mission-centric cyber situational awareness with defense in depth <b>2011</b> ,		61
79	A Multimedia Recommender System. <i>ACM Transactions on Internet Technology</i> , <b>2013</b> , 13, 1-32	3.8	58
78	. <i>IEEE Transactions on Multimedia</i> , <b>2008</b> , 10, 982-996	6.6	50
77	Time-efficient and cost-effective network hardening using attack graphs <b>2012</b> ,		47
76	A Multimedia Semantic Recommender System for Cultural Heritage Applications <b>2011</b> ,		39
75	A multimedia recommender integrating object features and user behavior. <i>Multimedia Tools and Applications</i> , <b>2010</b> , 50, 563-585	2.5	34
74	A moving target defense approach for protecting resource-constrained distributed devices <b>2013</b> ,		32
73	. <i>IEEE Transactions on Multimedia</i> , <b>2008</b> , 10, 1429-1443	6.6	29
72	A Moving Target Defense Approach to Disrupting Stealthy Botnets <b>2016</b> ,		27
71	Discovering the Top-k Unexplained Sequences in Time-Stamped Observation Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 577-594	4.2	26
70	A moving target defense approach to mitigate DDoS attacks against proxy-based architectures <b>2016</b> ,		26
69	Modeling Network Diversity for Evaluating the Robustness of Networks against Zero-Day Attacks. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 494-511	0.9	24
68	Scalable Analysis of Attack Scenarios. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 416-433	0.9	24
67	<b>2013</b> ,		23
66	PADS: a probabilistic activity detection framework for video data. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2010</b> , 32, 2246-61	13.3	22
65	Fast Activity Detection: Indexing for Temporal Stochastic Automaton-Based Activity Models. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2013</b> , 25, 360-373	4.2	21

64	CARA: A Cultural-Reasoning Architecture. <i>IEEE Intelligent Systems</i> , <b>2007</b> , 22, 12-16	4.2	21
63	Performance Modeling of Moving Target Defenses <b>2017</b> ,		19
62	Modeling recommendation as a social choice problem <b>2010</b> ,		17
61	Moving Target Defense against DDoS Attacks <b>2016</b> ,		17
60	Defending from Stealthy Botnets Using Moving Target Defenses. <i>IEEE Security and Privacy</i> , <b>2018</b> , 16, 92-97	2	16
59	Deceiving Attackers by Creating a Virtual Attack Surface <b>2016</b> , 167-199		15
58	<b>2014</b> ,		15
57	The priority curve algorithm for video summarization. <i>Information Systems</i> , <b>2006</b> , 31, 679-695	2.7	15
56	Detecting Stealthy Botnets in a Resource-Constrained Environment using Reinforcement Learning <b>2017</b> ,		14
55	Performance Modeling of Moving Target Defenses with Reconfiguration Limits. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2021</b> , 18, 205-219	3.9	14
54	A Graphical Model to Assess the Impact of Multi-Step Attacks. <i>Journal of Defense Modeling and Simulation</i> , <b>2018</b> , 15, 79-93	0.4	11
53	A deception based approach for defeating OS and service fingerprinting <b>2015</b> ,		11
52	A Formal Model for Video Shot Segmentation and its Application via Animate Vision. <i>Multimedia Tools and Applications</i> , <b>2004</b> , 24, 253-272	2.5	11
51	Web personalization based on static information and dynamic user behavior <b>2004</b> ,		10
50	Information Retrieval from the Web: An Interactive Paradigm. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 17-32	0.9	9
49	Recognizing Unexplained Behavior in Network Traffic. <i>Advances in Information Security</i> , <b>2014</b> , 39-62	0.7	9
48	Story creation from heterogeneous data sources. <i>Multimedia Tools and Applications</i> , <b>2007</b> , 33, 351-377	2.5	8
47	A Multi-Layer Moving Target Defense Approach for Protecting Resource-Constrained Distributed Devices. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 299-324	0.4	8

46	Automated Cyber Situation Awareness Tools and Models for Improving Analyst Performance. <i>Advances in Information Security</i> , <b>2014</b> , 47-60	0.7	8
45	An Integrated Framework for Cyber Situation Awareness. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 29-46.	0.9	7
44	A probabilistic framework for jammer identification in MANETs. <i>Ad Hoc Networks</i> , <b>2014</b> , 14, 84-94	4.8	7
43	A web personalization system based on web usage mining techniques <b>2004</b> ,		7
42	A Framework for Moving Target Defense Quantification. <i>IFIP Advances in Information and Communication Technology</i> , <b>2017</b> , 124-138	0.5	7
41	Security and Privacy Issues in Social Networks. <i>Data-centric Systems and Applications</i> , <b>2015</b> , 195-209	0	6
40	Next-generation technologies for preventing accidental death of children trapped in parked vehicles <b>2014</b> ,		6
39	Finding Top-kappa Unexplained Activities in Video <b>2012</b> ,		6
38	Computer-Aided Human Centric Cyber Situation Awareness. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 3-25	0.9	5
37	Disrupting stealthy botnets through strategic placement of detectors <b>2015</b> ,		5
36	Network Hardening. <i>SpringerBriefs in Computer Science</i> , <b>2014</b> ,	0.4	5
35	Reliable mission deployment in vulnerable distributed systems <b>2013</b> ,		4
34	Scalable Detection of Cyber Attacks. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 9-18	0.3	4
33	From idea to prototype: Introducing students to entrepreneurship <b>2017</b> ,		3
32	A Logic Framework for Flexible and Security-Aware Service Composition <b>2013</b> ,		3
31	A ranking method for multimedia recommenders <b>2010</b> ,		3
30	Moving Target Defense Quantification. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 94-111	0.9	3
29	Measuring Trust in Big Data. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 241-248	0.9	3

28	Attack Graph and Network Hardening. <i>SpringerBriefs in Computer Science</i> , <b>2014</b> , 15-22	0.4	3
27	Formation of Awareness. <i>Advances in Information Security</i> , <b>2014</b> , 47-62	0.7	3
26	PLINI: A Probabilistic Logic Program Framework for Inconsistent News Information. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 347-376	0.9	3
25	Security and trust in cloud application life-cycle management. <i>Future Generation Computer Systems</i> , <b>2020</b> , 111, 934-936	7.5	2
24	An Efficient Framework for Evaluating the Risk of Zero-Day Vulnerabilities. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 322-340	0.3	2
23	A Probabilistic Framework for Localization of Attackers in MANETs. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 145-162	0.9	2
22	MAGIC: A Multi-Activity Graph Index for Activity Detection <b>2007</b> ,		2
21	Adaptive Cyber Defenses for Botnet Detection and Mitigation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 156-205	0.9	2
20	Minimum-Cost Network Hardening. <i>SpringerBriefs in Computer Science</i> , <b>2014</b> , 23-38	0.4	2
19	Linear-Time Network Hardening. <i>SpringerBriefs in Computer Science</i> , <b>2014</b> , 39-58	0.4	2
18	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> , <b>2011</b> , 2, 1-18	0.6	2
17	A Quantitative Framework to Model Reconnaissance by Stealthy Attackers and Support Deception-Based Defenses <b>2020</b> ,		2
16	MTD 2018 <b>2018</b> ,		2
15	On Defensive Cyber Deception: A Case Study Using SDN <b>2018</b> ,		2
14	Securing Mission-Centric Operations in the Cloud <b>2014</b> , 239-259		2
13	A multimedia data base browsing system <b>2004</b> ,		1
12	Online and Scalable Adaptive Cyber Defense. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 232-261	0.9	1
11	Proactive Defense Through Deception. <i>Advances in Information Security</i> , <b>2019</b> , 169-202	0.7	1

10	Automated Coding of Decision Support Variables <b>2013</b> , 69-80		1
9	A Probabilistic Framework for Distributed Localization of Attackers in MANETs. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 49-64	0.9	1
8	A quantitative risk assessment framework for adaptive Intrusion Detection in the cloud <b>2016</b> ,		1
7	Measuring the Effectiveness of Network Deception <b>2018</b> ,		1
6	Semantic Video Content Analysis. <i>Studies in Computational Intelligence</i> , <b>2010</b> , 147-176	0.8	0
5	FingerPIN: An Authentication Mechanism Integrating Fingerprints and Personal Identification Numbers. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 500-511	0.3	0
4	DeBot: A novel network-based mechanism to detect exfiltration by architectural stealthy botnets. <i>Security and Privacy</i> , <b>2018</b> , 1, e51	1.8	0
3	Keeping Intruders at Bay: A Graph-theoretic Approach to Reducing the Probability of Successful Network Intrusions. <i>Communications in Computer and Information Science</i> , <b>2015</b> , 191-211	0.3	
2	A Novel Strategy for Recommending Multimedia Objects and its Application in the Cultural Heritage Domain <b>2013</b> , 274-290		
1	From Cyber Situational Awareness to Adaptive Cyber Defense: Leveling the Cyber Playing Field. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 1-23	0.9	