

# Marco M Carvalho

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3522981/publications.pdf>

Version: 2024-02-01

97  
papers

755  
citations

840119

11  
h-index

713013

21  
g-index

102  
all docs

102  
docs citations

102  
times ranked

556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concept Maps: Integrating Knowledge and Information Visualization. Lecture Notes in Computer Science, 2005, , 205-219.	1.0	109
2	Moving-Target Defenses for Computer Networks. IEEE Security and Privacy, 2014, 12, 73-76.	1.5	51
3	Heartbleed 101. IEEE Security and Privacy, 2014, 12, 63-67.	1.5	48
4	Using WordNet for Word Sense Disambiguation to Support Concept Map Construction. Lecture Notes in Computer Science, 2003, , 350-359.	1.0	28
5	Security in Mobile Ad Hoc Networks. IEEE Security and Privacy, 2008, 6, 72-75.	1.5	28
6	Biomechanical Behavior of the Dental Implant Macrodesign. International Journal of Oral and Maxillofacial Implants, 2017, 32, 264-270.	0.6	28
7	Sol: An Agent-Based Framework for Cyber Situation Awareness. KI - Kunstliche Intelligenz, 2012, 26, 127-140.	2.2	23
8	Malware classification using static analysis based features. , 2017, , .		23
9	Resilience is more than availability. , 2011, , .		22
10	Agile computing: bridging the gap between grid computing and ad-hoc peer-to-peer resource sharing. , 2003, , .		18
11	An adaptive multi-agent-based approach to smart grids control and optimization. Energy Systems, 2012, 3, 61-76.	1.8	15
12	Command and Control Requirements for Moving-Target Defense. IEEE Intelligent Systems, 2012, 27, 79-85.	4.0	14
13	Agent-Based Immunological Intrusion Detection System for Mobile Ad-Hoc Networks. Lecture Notes in Computer Science, 2008, , 584-593.	1.0	11
14	QoS enabled dissemination of managed information objects in a publish-subscribe-query information broker. Proceedings of SPIE, 2009, , .	0.8	11
15	MTC2: A command and control framework for moving target defense and cyber resilience. , 2013, , .		11
16	Cooperation models between humans and artificial self-organizing systems: Motivations, issues and perspectives. , 2013, , .		11
17	VINE. , 2015, , .		11
18	Towards the application of recommender systems to secure coding. Eurasip Journal on Information Security, 2019, 2019, .	2.4	11

#	ARTICLE	IF	CITATIONS
19	Supporting Flexible Data Feeds in Dynamic Sensor Grids through Mobile Agents. Lecture Notes in Computer Science, 2002, , 171-185.	1.0	11
20	A Cross-Layer Communications Framework for Tactical Environments. , 2006, , .		10
21	Performance evaluation of static frequency reuse techniques for OFDMA cellular networks. , 2014, , .		10
22	Biomechanical Effect of Prosthetic Connection and Implant Body Shape in Low-Quality Bone of Maxillary Posterior Single Implant-Supported Restorations. International Journal of Oral and Maxillofacial Implants, 2016, 31, e92-e97.	0.6	10
23	Quality of Service in us air force information management systems. , 2009, , .		9
24	Dynamic Policy-Driven Quality of Service in Service-Oriented Systems. , 2010, , .		9
25	Resource and Service Discovery in Wireless AD-HOC Networks with Agile Computing. , 2006, , .		8
26	Integrated information and network management for end-to-end Quality of Service. , 2011, , .		8
27	Dynamic policy-driven quality of service in service-oriented information management systems. Software - Practice and Experience, 2011, 41, 1459-1489.	2.5	8
28	Quantifying & minimizing attack surfaces containing moving target defenses. , 2015, , .		8
29	Infrastructure Security for Smart Electric Grids: A Survey. Energy Systems, 2013, , 161-180.	0.5	8
30	Enforcement of communications policies in software agent systems through mobile code. , 0, , .		7
31	A cross-layer communications substrate for tactical Information Management Systems. , 2008, , .		7
32	Toward Interoperability of Mobile-Agent Systems. Lecture Notes in Computer Science, 2002, , 106-120.	1.0	7
33	A Mobile Agent-Based Communications Middleware for Data Streaming in the Battlefield. , 0, , .		6
34	A distributed reinforcement learning approach to mission survivability in tactical MANETs. , 2009, , .		6
35	A layered approach to understanding network dependencies on moving target defense mechanisms. , 2013, , .		6
36	Formal Assurance for Cooperative Intelligent Autonomous Agents. Lecture Notes in Computer Science, 2018, , 20-36.	1.0	6

#	ARTICLE	IF	CITATIONS
37	Network Conditions Monitoring in the Mockets Communications Framework. , 2007, , .		5
38	A directed expansion topology control algorithm for mobile Ad-Hoc networks. , 2010, , .		5
39	A dynamic and policy-controlled approach to federating information systems. , 2010, , .		5
40	An evolutionary multi-agent approach to anomaly detection and cyber defense. , 2011, , .		5
41	A human-agent teamwork command and control framework for moving target defense (MTC2). , 2013, , .		5
42	MIRA: a support infrastructure for cyber command and control operations. , 2015, , .		5
43	Experimentation Support for Cyber Security Evaluations. , 2016, , .		5
44	Assuring Intelligent Systems: Contingency Management for UAS. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6028-6038.	4.7	5
45	DAML-Based Policy Enforcement for Semantic Data Transformation and Filtering in Multi-agent Systems. , 2003, , 122-136.		5
46	A cross-layer predictive routing protocol for mobile ad hoc networks. , 2008, , .		4
47	Distributed policy learning for the Cognitive Network Management System. , 2010, , .		4
48	An autonomous resiliency toolkit - needs, challenges, and concepts for next generation cyber defense platforms. , 2016, , .		4
49	Online Estimation of Motif Distribution in Dynamic Networks. , 2019, , .		4
50	Organic Resilience for Tactical Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 22-29.	0.2	4
51	Flexible automated monitoring and notification for complex processes using KARMEN. , 0, , .		3
52	Danger theory and collaborative filtering in MANETs. Journal in Computer Virology, 2009, 5, 345-355.	1.9	3
53	Investigating the Use of Topology Adaptation for Robust Multi-path Transport: A Preliminary Study. , 2009, , .		3
54	A cross-layer approach to mixed-control topology management for MANETs. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
55	Policy-Based Governance within Luna: Why We Developed Yet Another Agent Framework. , 2012, , .		3
56	NextVC2 &#x2014; A next generation virtual world command and control. , 2012, , .		3
57	Topology design for on-demand dual-path routing in wireless networks. Optimization Letters, 2013, 7, 695-707.	0.9	3
58	Adaptive Resource Management Enabling Deception (ARMED). , 2017, , .		3
59	A hybrid approach to improving program security. , 2017, , .		3
60	Recommended practices for the specification of multi-agent systems requirements. , 2017, , .		3
61	Cyber Identity: Salient Trait Ontology and Computational Framework to Aid in Solving Cybercrime. , 2018, , .		3
62	Optimal Trajectory and Schedule Planning for Autonomous Guided Vehicles in Flexible Manufacturing System. , 2018, , .		3
63	Policy-Based Bandwidth Management for Tactical Networks with the Agile Computing Middleware. , 2006, , .		2
64	Securing MANETs with BITS!: danger theory and mission continuity. Proceedings of SPIE, 2008, , .	0.8	2
65	In-Stream Data Processing for Tactical Environments. International Journal of Electronic Government Research, 2008, 4, 49-67.	0.5	2
66	The mLab-PENGWUN hybrid emulation environment for airborne networks. , 2011, , .		2
67	Network traffic classification using a parallel neural network classifier architecture. , 2011, , .		2
68	Throughput maximization in CSMA networks with collisions. , 2012, , .		2
69	Domain and location specific modeling of mobile users online Interests. , 2013, , .		2
70	Semi-automated wrapping of defenses (SAWD) for cyber command and control. , 2016, , .		2
71	High fidelity adaptive cyber emulation. , 2017, , .		2
72	KARMEN: Multi-agent Monitoring and Notification for Complex Processes. Lecture Notes in Computer Science, 2005, , 197-206.	1.0	2

#	ARTICLE	IF	CITATIONS
73	Policy Management across Multiple Platforms and Application Domains. , 2008, , .		1
74	Enabling information management systems in tactical network environments. , 2009, , .		1
75	Antimalware software: Do we measure resilience?. , 2013, , .		1
76	A comparison of community identification algorithms for regulatory network motifs. , 2013, , .		1
77	Efficient spectrum allocation in multiband CSMA networks. , 2014, , .		1
78	Conversational Code Analysis: The Future of Secure Coding. , 0, , .		1
79	A Hybrid Emulation Environment for Airborne Wireless Networks. Studies in Computational Intelligence, 2012, , 111-129.	0.7	1
80	Using Network Sciences to Evaluate the Brazilian Airline Network. Lecture Notes in Computer Science, 2013, , 849-858.	1.0	1
81	Hierarchical Human-in-the loop Control Systems: An Application for Tactile Interfaces and Adjustable Autonomy.. , 2001, , .		0
82	A three-tier damage-driven security infrastructure for mission continuity. , 2008, , .		0
83	Generic Danger Detection for Mission Continuity. , 2009, , .		0
84	Dynamic gateway selection for cross-domain routing with the XLayer communications substrate. , 2009, , .		0
85	Security in MANETs using reputation-adjusted routing. Proceedings of SPIE, 2009, , .	0.8	0
86	Configurable and Secure System Architectures. , 2010, , .		0
87	Secure VM for monitoring industrial process controllers. , 2011, , .		0
88	A combined discriminative and generative behavior model for cyber physical system defense. , 2013, , .		0
89	The language of behavior: Exploring a new formalism for resilient response. , 2013, , .		0
90	A significant improvement for anti-malware tests. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
91	Protecting Me. IEEE Security and Privacy, 2014, 12, 80-82.	1.5	0
92	Interactive Visualization of Netflow Traffic. , 2015, , .		0
93	Resilient Command and Control Infrastructures for Cyber Operations. , 2015, , .		0
94	A Scalable Approach to Network Traffic Classification for Computer Network Defense using Parallel Neural Network Classifier Architectures. , 2013, , 181-196.		0
95	Strategies for Spectrum Allocation in OFDMA Cellular Networks. Lecture Notes in Computer Science, 2014, , 378-382.	1.0	0
96	Personal Identity Matching. , 2016, , .		0
97	RF-based Monitoring, Sensing and Localization of Mobile Wireless Nodes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 61-71.	0.2	0