

# Andr M H Teixeira

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/234939/andre-m-h-teixeira-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

58

papers

2,488

citations

18

h-index

49

g-index

63

ext. papers

3,145

ext. citations

3.4

avg, IF

5.4

L-index

#	Paper	IF	Citations
58	A secure control framework for resource-limited adversaries. <i>Automatica</i> , <b>2015</b> , 51, 135-148	5.7	550
57	Distributed fault detection for interconnected second-order systems. <i>Automatica</i> , <b>2011</b> , 47, 2757-2764	5.7	269
56	Optimal Parameter Selection for the Alternating Direction Method of Multipliers (ADMM): Quadratic Problems. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 644-658	5.9	244
55	Attack models and scenarios for networked control systems <b>2012</b> ,		220
54	Cyber security analysis of state estimators in electric power systems <b>2010</b> ,		214
53	. <i>IEEE Control Systems</i> , <b>2015</b> , 35, 24-45	2.9	152
52	Revealing stealthy attacks in control systems <b>2012</b> ,		136
51	Distributed fault detection and isolation resilient to network model uncertainties. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 2024-37	10.2	96
50	Networked control systems under cyber attacks with applications to power networks <b>2010</b> ,		96
49	Cyber Risk Analysis of Combined Data Attacks Against Power System State Estimation. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 3044-3056	10.7	41
48	A Cyber Security Study of a SCADA Energy Management System: Stealthy Deception Attacks on the State Estimator*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 11271-11277		35
47	Security of smart distribution grids: Data integrity attacks on integrated volt/VAR control and countermeasures <b>2014</b> ,		34
46	. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 724-739	5.9	28
45	A Tutorial Introduction to Security and Privacy for Cyber-Physical Systems <b>2019</b> ,		27
44	Detection and Isolation of Replay Attacks through Sensor Watermarking * *This work has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement no. 608224 and from H2020 Programme under grant no. 707546 (SURE).. <i>IFAC Papers OnLine</i> , <b>2017</b> , 50, 7262-7268	0.7	23
43	Voltage control for interconnected microgrids under adversarial actions <b>2015</b> ,		21
42	Integrated Safety and Security Risk Assessment Methods: A Survey of Key Characteristics and Applications. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 50-62	0.9	21

41	The ADMM Algorithm for Distributed Quadratic Problems: Parameter Selection and Constraint Preconditioning. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 290-305	4.8	20
40	Optimal power flow: Closing the loop over corrupted data <b>2012</b> ,		18
39	Optimal scaling of the ADMM algorithm for distributed quadratic programming <b>2013</b> ,		16
38	From control system security indices to attack identifiability <b>2016</b> ,		14
37	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 1517-1528	4	12
36	Detection and isolation of routing attacks through sensor watermarking <b>2017</b> ,		12
35	Co-simulation for cyber security analysis: Data attacks against energy management system <b>2017</b> ,		12
34	A down-sampled controller to reduce network usage with guaranteed closed-loop performance <b>2014</b> ,		12
33	Quantifying Cyber-Security for Networked Control Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2013</b> , 123-142	0.5	12
32	Bayesian Network Models in Cyber Security: A Systematic Review. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 105-122	0.9	11
31	Cyber-Physical-Security Framework for Building Energy Management System <b>2016</b> ,		10
30	On the Optimal Step-size Selection for the Alternating Direction Method of Multipliers*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 139-144		10
29	Agents misbehaving in a network: a vice or a virtue?. <i>IEEE Network</i> , <b>2012</b> , 26, 35-40	11.4	9
28	A Switching Multiplicative Watermarking Scheme for Detection of Stealthy Cyber-Attacks. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 2558-2573	5.9	9
27	Actuator Security Indices Based on Perfect Undetectability: Computation, Robustness, and Sensor Placement. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3816-3831	5.9	8
26	Cyber-security of SCADA systems <b>2012</b> ,		8
25	Combined data integrity and availability attacks on state estimation in cyber-physical power grids <b>2016</b> ,		8
24	Detection of Sensor Data Injection Attacks with Multiplicative Watermarking <b>2018</b> ,		8

23	The ADMM algorithm for distributed averaging: Convergence rates and optimal parameter selection <b>2014</b> ,		7
22	Gaussian cheap talk game with quadratic cost functions: When herding between strategic senders is a virtue <b>2014</b> ,		7
21	Distributed Leader Selection without Direct Inter-agent Communication. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 221-226		7
20	Effects of Jamming Attacks on a Control System With Energy Harvesting <b>2019</b> , 3, 829-834		6
19	Strategic stealthy attacks: The output-to-output $\mathcal{H}_\infty$ -gain <b>2015</b> ,		6
18	Dynamical system decomposition using dissipation inequalities <b>2011</b> ,		5
17	Distributed Fault Detection and Isolation with imprecise network models <b>2012</b> ,		4
16	Cybersecurity as a Politikum <b>2016</b> ,		4
15	Differentially-Private Distributed Fault Diagnosis for Large-Scale Nonlinear Uncertain Systems. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 975-982	0.7	4
14	Data attacks on power system state estimation: Limited adversarial knowledge vs. limited attack resources <b>2017</b> ,		3
13	Fault Detection and Mitigation in Kirchhoff Networks. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 749-752	3.2	3
12	Distributed actuator reconfiguration in networked control systems*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 61-68		3
11	Cyber-Secure and Resilient Architectures for Industrial Control Systems <b>2015</b> , 149-183		2
10	Privatized Distributed Anomaly Detection for Large-Scale Nonlinear Uncertain Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 5299-5313	5.9	2
9	Optimal stealthy attacks on actuators for strictly proper systems <b>2019</b> ,		2
8	On the Confidentiality of Linear Anomaly Detector States <b>2019</b> ,		2
7	Security measure allocation for industrial control systems: Exploiting systematic search techniques and submodularity. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 4278-4302	3.6	2
6	Voltage Control in Distributed Generation under Measurement Falsification Attacks * *This work is sponsored by Chinese Scholarship Council (CSC). <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 8379-8384	0.7	1

5	Combining Bayesian Networks and Fishbone Diagrams to Distinguish Between Intentional Attacks and Accidental Technical Failures. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 31-50	0.9	1
4	Detection of Cyber-Attacks: A Multiplicative Watermarking Scheme. <i>Lecture Notes in Control and Information Sciences</i> , <b>2021</b> , 173-201	0.5	1
3	Joint controller and detector design against data injection attacks on actuators. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 7439-7445	0.7	0
2	Security Metrics for Control Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2021</b> , 99-121	0.5	0
1	Introduction to the Book. <i>Lecture Notes in Control and Information Sciences</i> , <b>2021</b> , 1-8	0.5	