Robert K Abercrombie

List of Publications by Year
in descending order

37 papers	409 citations	1684188 5 h-index	1720034 7 g-index
37 all docs	37 docs citations	37 times ranked	296 citing authors

#	Article	IF	Citations
1	Quantifying security threats and their potential impacts: a case study. Innovations in Systems and Software Engineering, 2010, 6, 269-281.	2.1	104
2	A study of scientometric methods to identify emerging technologies via modeling of milestones. Scientometrics, 2012, 91, 327-342.	3.0	34
3	IoT Intrusion Detection Taxonomy, Reference Architecture, and Analyses. Sensors, 2021, 21, 6432.	3.8	30
4	A Methodology to Evaluate Agent Oriented Software Engineering Techniques. , 2007, , .		25
5	Risk Assessment Methodology Based on the NISTIR 7628 Guidelines. , 2013, , .		19
6	Methodology for Evaluating Security Controls Based on Key Performance Indicators and Stakeholder Mission. , 2009, , .		18
7	Security management of cyber physical control systems using NIST SP 800-82r2. , 2017, , .		17
8	Risk Assessment For Industrial Control Systems Quantifying Availability Using Mean Failure Cost (MFC). Journal of Artificial Intelligence and Soft Computing Research, 2015, 5, 205-220.	4.3	16
9	Synopsis of Evaluating Security Controls Based on Key Performance Indicators and Stakeholder Mission Value. , 2008, , .		15
10	Defining and computing a value based cyber-security measure. Information Systems and E-Business Management, 2012, 10, 433-453.	3.7	15
11	Managing complex IT security processes with value based measures. , 2009, , .		14
12	Evaluating security controls based on key performance indicators and stakeholder mission. , 2008, , .		13
13	Co-Simulation Platform for Characterizing Cyber Attacks in Cyber Physical Systems. , 2015, , .		12
14	OPNET/Simulink Based Testbed for Disturbance Detection in the Smart Grid. , 2015, , .		10
15	Modeling stakeholder/value dependency through mean failure cost. , 2010, , .		9
16	Security Analysis of Selected AMI Failure Scenarios Using Agent Based Game Theoretic Simulation. , 2014, , .		8
17	Security Analysis of Smart Grid Cyber Physical Infrastructures Using Game Theoretic Simulation. , 2015, , .		6
18	A Systematic Comprehensive Computational Model for Stake Estimation in Mission Assurance - Applying Cyber Security Econometrics System (CSES) to Mission Assurance Analysis Protocol (MAAP). , 2010, , .		5

#	Article	IF	Citations
19	Addressing the need for independence in the CSE model. , 2011, , .		5
20	Failure impact analysis of key management in AMI using cybernomic situational assessment (CSA). , 2013, , .		5
21	Towards Reducing the Data Exfiltration Surface for the Insider Threat. , 2016, , .		4
22	An explanation for the folding fibers in proboscis retractor muscles of Phascolopsis (= Golfingia) Gouldiâ€"I. correlation between length-tension data and structure in living muscle. Comparative Biochemistry and Physiology A, Comparative Physiology, 1984, 77, 23-29.	0.6	3
23	Quantifying security threats and their impact. , 2009, , .		3
24	Designing and operating through compromise. , 2013, , .		3
25	An explanation for the folding fibers in proboscis retractor muscles of Phascolopsis (= Golfingia) Gouldiâ€"II. Structural evidence from sem of teased, glycerinated muscles and light microscopy of koh-isolated fibers. Comparative Biochemistry and Physiology A, Comparative Physiology, 1984, 77, 31-38.	0.6	2
26	Defining and computing a value based cyber-security measure. , 2011, , .		2
27	Secure cryptographic key management system (CKMS) considerations for smart grid devices. , 2011, , .		2
28	Quantifying the impact of unavailability in cyber-physical environments. , 2014, , .		2
29	Quantifying availability in SCADA environments using the cyber security metric MFC. , 2014, , .		2
30	Risk and Vulnerability Assessment Using Cybernomic Computational Models. , 2015, , .		2
31	Software requirements for a system to compute mean failure cost. , 2010, , .		1
32	Validating Cyber Security Requirements: A Case Study. , 2011, , .		1
33	Systems Life Cycle and Its Relation with the Triple Helix. , 2014, , 103-125.		1
34	Microgrid Disaster Resiliency Analysis: Reducing Costs in Continuity of Operations (COOP) Planning. , 2019, , .		1
35	4thannual cyber security and information intelligence research workshop. , 2008, , .		0
36	Secure VM for monitoring industrial process controllers. , 2011, , .		0

#	Article	IF	Citations
37	Conceptual framework to enable early warning of relevant phenomena &#x201C;Emerging phenomena and big data&#x201D;. , 2013, , .		0