

Toshihiro Yamauchi

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

114
citations

1937685

4
h-index

1872680

6
g-index

55
all docs

55
docs citations

55
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Additional kernel observer: privilege escalation attack prevention mechanism focusing on system call privilege changes. International Journal of Information Security, 2021, 20, 461-473.	3.4	5
2	KPRM: Kernel Page Restriction Mechanism to Prevent Kernel Memory Corruption. Lecture Notes in Computer Science, 2021, , 45-63.	1.3	1
3	Mitigation of Kernel Memory Corruption Using Multiple Kernel Memory Mechanism. IEEE Access, 2021, 9, 111651-111665.	4.2	4
4	Web access monitoring mechanism via Android WebView for threat analysis. International Journal of Information Security, 2021, 20, 833-847.	3.4	2
5	Improvement and Evaluation of a Function for Tracing the Diffusion of Classified Information on KVM. Advances in Intelligent Systems and Computing, 2021, , 338-349.	0.6	0
6	Function for Tracing Diffusion of Classified Information to Support Multiple VMs with KVM. , 2021, , .		0
7	MKM: Multiple Kernel Memory for Protecting Page Table Switching Mechanism Against Memory Corruption. Lecture Notes in Computer Science, 2020, , 97-116.	1.3	1
8	Accessibility Service Utilization Rates in Android Applications Shared on Twitter. Lecture Notes in Computer Science, 2020, , 101-111.	1.3	3
9	Identification of Kernel Memory Corruption Using Kernel Memory Secret Observation Mechanism. IEICE Transactions on Information and Systems, 2020, E103.D, 1462-1475.	0.7	1
10	Method of Generating a Blacklist for Mobile Devices by Searching Malicious Websites. , 2020, , .		0
11	Design and implementation of hiding method for file manipulation of essential services by system call proxy using virtual machine monitor. International Journal of Space-Based and Situated Computing, 2019, 9, 1.	0.2	1
12	Threat Analysis of Fake Virus Alerts Using WebView Monitor. , 2019, , .		1
13	Hiding File Manipulation of Essential Services by System Call Proxy. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 853-863.	0.7	1
14	(Short Paper) Method for Preventing Suspicious Web Access in Android WebView. Lecture Notes in Computer Science, 2019, , 241-250.	1.3	0
15	KMO: Kernel Memory Observer to Identify Memory Corruption by Secret Inspection Mechanism. Lecture Notes in Computer Science, 2019, , 75-94.	1.3	3
16	Web access monitoring mechanism for Android webview. , 2018, , .		4
17	Acceleration of Analysis Processing on Decentralized Performance Profiling System Using Virtual Machines. , 2018, , .		0
18	Mitigating Use-after-Free Attack Using Library Considering Size and Number of Freed Memory. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Additional Kernel Observer to Prevent Privilege Escalation Attacks by Focusing on System Call Privilege Changes. , 2018, , .		3
20	Access Control Mechanism to Mitigate Cordova Plugin Attacks in Hybrid Applications. Journal of Information Processing, 2018, 26, 396-405.	0.4	1
21	Access Control for Plugins in Cordova-Based Hybrid Applications. , 2017, , .		5
22	Editor's Message to Special Issue of Computer Security Technologies against Sophisticated Cyber Attacks. Journal of Information Processing, 2017, 25, 852-853.	0.4	0
23	Performance Improvement and Evaluation of Function for Tracing Diffusion of Classified Information on KVM. , 2017, , .		1
24	Kernel Rootkits Detection Method by Monitoring Branches Using Hardware Features. IEICE Transactions on Information and Systems, 2017, E100.D, 2377-2381.	0.7	2
25	Mitigating Use-After-Free Attacks Using Memory-Reuse-Prohibited Library. IEICE Transactions on Information and Systems, 2017, E100.D, 2295-2306.	0.7	2
26	Design of Function for Tracing Diffusion of Classified Information for IPC on KVM. Journal of Information Processing, 2016, 24, 781-792.	0.4	3
27	KRGuard: Kernel Rootkits Detection Method by Monitoring Branches Using Hardware Features. , 2016, , .		3
28	Memory Access Monitoring and Disguising of Process Information to Avoid Attacks to Essential Services. , 2016, , .		0
29	HeapRevolver: Delaying and Randomizing Timing of Release of Freed Memory Area to Prevent Use-After-Free Attacks. Lecture Notes in Computer Science, 2016, , 219-234.	1.3	5
30	Evaluation and design of function for tracing diffusion of classified information for file operations with KVM. Journal of Supercomputing, 2016, 72, 1841-1861.	3.6	4
31	Rule-Based Sensor Data Aggregation System for M2M Gateways. IEICE Transactions on Information and Systems, 2016, E99.D, 2943-2955.	0.7	4
32	Process Hiding by Virtual Machine Monitor for Attack Avoidance. Journal of Information Processing, 2015, 23, 673-682.	0.4	4
33	Reducing Resource Consumption of SELinux for Embedded Systems with Contributions to Open-Source Ecosystems. Journal of Information Processing, 2015, 23, 664-672.	0.4	3
34	Access Control to Prevent Malicious JavaScript Code Exploiting Vulnerabilities of WebView in Android OS. IEICE Transactions on Information and Systems, 2015, E98.D, 807-811.	0.7	6
35	Attacker Investigation System Triggered by Information Leakage. , 2015, , .		3
36	Proposal of Kernel Rootkits Detection Method by Monitoring Branches Using Hardware Features. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	CSDA: Rule-based complex sensor data aggregation system for M2M gateway. , 2015, , .		3
38	Fast Control Method of Software-Managed TLB for Reducing Zero-Copy Communication Overhead. IEICE Transactions on Information and Systems, 2015, E98.D, 2187-2191.	0.7	0
39	Malware Detection Method Focusing on Anti-debugging Functions. , 2014, , .		1
40	Secure and Fast Log Transfer Mechanism for Virtual Machine. Journal of Information Processing, 2014, 22, 597-608.	0.4	1
41	Complicating Process Identification by Replacing Process Information for Attack Avoidance. Lecture Notes in Computer Science, 2014, , 33-47.	1.3	0
42	A mechanism for achieving a bound on execution performance of process group to limit CPU abuse. Journal of Supercomputing, 2013, 65, 38-60.	3.6	1
43	Evaluation of Load Balancing in Multicore Processor for AnT. , 2013, , .		1
44	Access Control to Prevent Attacks Exploiting Vulnerabilities of WebView in Android OS. , 2013, , .		10
45	Secure Log Transfer by Replacing a Library in a Virtual Machine. Lecture Notes in Computer Science, 2013, , 1-18.	1.3	2
46	DroidTrack: Tracking Information Diffusion and Preventing Information Leakage on Android. Lecture Notes in Electrical Engineering, 2013, , 243-251.	0.4	5
47	Novel Control Method for Preventing Missed Deadlines in Periodic Scheduling. , 2012, , .		0
48	VMBS: Virtual Machine Based Logging Scheme for Prevention of Tampering and Loss. Lecture Notes in Computer Science, 2011, , 176-190.	1.3	2
49	SELinux Security Policy Configuration System with Higher Level Language. Journal of Information Processing, 2010, 18, 201-212.	0.4	3
50	Proposal for Sophisticated Periodic Execution Control in Embedded Systems. Lecture Notes in Computer Science, 2010, , 549-563.	1.3	0
51	Evaluation of Performance of Secure OS Using Performance Evaluation Mechanism of LSM-Based LSMPMON. Communications in Computer and Information Science, 2010, , 57-67.	0.5	2
52	A Mechanism That Bounds Execution Performance for Process Group for Mitigating CPU Abuse. Communications in Computer and Information Science, 2010, , 84-93.	0.5	0