

Kenichi Kourai

List of Publications by Year in descending order

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56
papers

524
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all docs

57
docs citations

57
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimized Memory Encryption for VMs Across Multiple Hosts. Lecture Notes in Networks and Systems, 2022, , 307-315.	0.5	1
2	Hardening the Security of Multi-Access Edge Computing through Bio-Inspired VM Introspection. Big Data and Cognitive Computing, 2021, 5, 52.	2.9	2
3	Optimizing VMs across Multiple Hosts with Transparent and Consistent Tracking of Unused Memory. , 2021, , .		1
4	Transpacific Testbed for Real-Time Experimentation. , 2021, , .		3
5	Flexible service consolidation with nested virtualization and library operating systems. Software - Practice and Experience, 2020, 50, 3-21.	2.5	2
6	Optimization of Parallel Applications Under CPU Overcommitment. , 2020, , .		0
7	Transparent IDS Offloading for Split-Memory Virtual Machines. , 2020, , .		1
8	Virtual Machine Introspection for Anomaly-Based Keylogger Detection. , 2020, , .		12
9	Flexible and Efficient Partial Migration of Split-memory VMs. , 2020, , .		5
10	Secure VM management with strong user binding in semi-trusted clouds. Journal of Cloud Computing: Advances, Systems and Applications, 2020, 9, .	2.1	5
11	Efficient Migration of Large-Memory VMs Using Private Virtual Memory. Advances in Intelligent Systems and Computing, 2020, , 380-389.	0.5	0
12	Fine-grained Autoscaling with In-VM Containers and VM Introspection. , 2020, , .		1
13	VM Migration for Secure Out-of-band Remote Management with Nested Virtualization. , 2020, , .		1
14	Efficient and Flexible Checkpoint/Restore of Split-memory Virtual Machines. , 2020, , .		1
15	Cache Replacement Based on LSTM in the Second Cache in Virtualized Environment. , 2020, , .		1
16	Low-Cost and Fast Failure Recovery Using In-VM Containers in Clouds. , 2019, , .		2
17	Consistent Offline Update of Suspended Virtual Machines in Clouds. , 2019, , .		0
18	Detecting System Failures with GPUs and LLVM. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	Secure Out-of-band Remote Management of Virtual Machines with Transparent Passthrough. , 2018, , .		5
20	LVBond: Strong User Binding to VMs for Secure Remote Management in Semi-Trusted Clouds. , 2018, , .		3
21	S-memV: Split Migration of Large-Memory Virtual Machines in IaaS Clouds. , 2018, , .		8
22	Efficient page-cache encryption for smart devices with non-volatile main memory. , 2018, , .		0
23	Resource Cages: A New Abstraction of the Hypervisor for Performance Isolation Considering IDS Offloading. , 2017, , .		0
24	Secure IDS Offloading with Nested Virtualization and Deep VM Introspection. Lecture Notes in Computer Science, 2017, , 305-323.	1.0	5
25	Split Migration of Large Memory Virtual Machines. , 2016, , .		8
26	Virtual Machine Co-migration for Out-of-band Remote Management. Journal of Information Processing, 2016, 24, 669-679.	0.3	0
27	Seamless and Secure Application Consolidation for Optimizing Instance Deployment in Clouds. , 2016, , .		3
28	Secure Offloading of Legacy IDSes Using Remote VM Introspection in Semi-trusted Clouds. , 2016, , .		11
29	VMBeam: Zero-Copy Migration of Virtual Machines for Virtual IaaS Clouds. , 2016, , .		2
30	Host OS page cache hit ratio improvement based on guest OS page drop. , 2015, , .		7
31	Virtual AMT for Unified Management of Physical and Virtual Desktops. , 2015, , .		0
32	Zero-copy Migration for Lightweight Software Rejuvenation of Virtualized Systems. , 2015, , .		6
33	Analysis of the Impact of CPU Virtualization on Parallel Applications in Xen. , 2015, , .		3
34	Secure Out-of-Band Remote Management Using Encrypted Virtual Serial Consoles in IaaS Clouds. , 2015, , .		4
35	The Continuity of Out-of-Band Remote Management across Virtual Machine Migration in Clouds. , 2014, , .		6
36	Efficient VM Introspection in KVM and Performance Comparison with Xen. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
37	Co-migration of Virtual Machines with Synchronization for IDS Offloading. IPSJ Online Transactions, 2014, 7, 157-167.	0.1	0
38	Efficient and Fine-Grained VMM-Level Packet Filtering for Self-Protection. International Journal of Adaptive Resilient and Autonomic Systems, 2014, 5, 83-100.	0.3	1
39	Synchronized Co-migration of Virtual Machines for IDS Offloading in Clouds. , 2013, , .		7
40	Security Enhancement of Out-of-band Remote Management in IaaS Clouds. IPSJ Online Transactions, 2013, 6, 111-120.	0.1	0
41	Preventing Information Leakage from Virtual Machines' Memory in IaaS Clouds. IPSJ Online Transactions, 2012, 5, 156-166.	0.1	14
42	Dependable and secure remote management in IaaS clouds. , 2012, , .		11
43	A Secure Framework for Monitoring Operating Systems Using SPEs in Cell/B.E.. , 2012, , .		3
44	A Self-Protection Mechanism against Stepping-Stone Attacks for IaaS Clouds. , 2012, , .		12
45	Fast Software Rejuvenation of Virtual Machine Monitors. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 839-851.	3.7	49
46	Fast and correct performance recovery of operating systems using a virtual machine monitor. , 2011, , .		6
47	Fast and correct performance recovery of operating systems using a virtual machine monitor. ACM SIGPLAN Notices, 2011, 46, 99-110.	0.2	2
48	A Secure System-Wide Process Scheduler across Virtual Machines. , 2010, , .		6
49	CacheMind: Fast performance recovery using a virtual machine monitor. , 2010, , .		5
50	BitVisor. , 2009, , .		124
51	Application-Level Scheduling Using AOP. Lecture Notes in Computer Science, 2009, , 1-44.	1.0	2
52	Aspect-oriented application-level scheduling for J2EE servers. , 2007, , .		15
53	A Fast Rejuvenation Technique for Server Consolidation with Virtual Machines. , 2007, , .		58
54	A dynamic aspect-oriented system for OS kernels. , 2006, , .		13

#	ARTICLE	IF	CITATIONS
55	HyperSpector. , 2005, , .		70
56	Weak Protection for Reflective Operating Systems. Lecture Notes in Computer Science, 1998, , 62-67.	1.0	0