Kevin R B Butler

List of Publications by Year
in descending order

69	1,648	623734	580821
papers	**citations**	14	25
		h-index	**g-index**

69	69	69	1125
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	CryptoLock (and Drop It): Stopping Ransomware Attacks on User Data. , 2016, , .		235
2	A Survey of BGP Security Issues and Solutions. Proceedings of the IEEE, 2010, 98, 100-122.	21.3	231
3	Hi-Fi. , 2012, , .		89
4	Detecting co-residency with active traffic analysis techniques. , 2012, , .		70
5	Porscha. , 2010, , .		57
6	*droid. ACM Computing Surveys, 2017, 49, 1-30.	23.0	51
7	On detecting co-resident cloud instances using network flow watermarking techniques. International Journal of Information Security, 2014, 13, 171-189.	3.4	50
8	Let SDN Be Your Eyes: Secure Forensics in Data Center Networks. , 2014, , .		50
9	Towards secure provenance-based access control in cloud environments. , 2013, , .		49
10	Frigate: A Validated, Extensible, and Efficient Compiler and Interpreter for Secure Computation. , 2016, , .		46
11	Optimizing BGP security by exploiting path stability. , 2006, , .		44
12	Defending Against Malicious USB Firmware with GoodUSB. , 2015, , .		37
13	Origin authentication in interdomain routing. Computer Networks, 2006, 50, 2953-2980.	5.1	33
14	Mo(bile) Money, Mo(bile) Problems. ACM Transactions on Privacy and Security, 2017, 20, 1-31.	3.0	31
15	More Guidelines Than Rules: CSRF Vulnerabilities from Noncompliant OAuth 2.0 Implementations. Lecture Notes in Computer Science, 2015, , 239-260.	1.3	31
16	Reuse It Or Lose It. , 2014, , .		29
17	Sending Out an SMS: Characterizing the Security of the SMS Ecosystem with Public Gateways. , 2016, , .		29
18	A privacy-preserving approach to streaming eye-tracking data. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 2555-2565.	4.4	28

#	Article	IF	Citations
19	Memory-Efficient Garbled Circuit Generation for Mobile Devices. Lecture Notes in Computer Science, 2012, , 254-268.	1.3	28
20	CPAC. , 2016, , .		27
21	Defending Against Attacks on Main Memory Persistence. , 2008, , .		24
22	Secure outsourced garbled circuit evaluation for mobile devices. Journal of Computer Security, 2016, 24, 137-180.	0.8	23
23	Transparent Web Service Auditing via Network Provenance Functions. , 2017, , .		23
24	Scalable Web Content Attestation. , 2009, , .		21
25	Leveraging USB to Establish Host Identity Using Commodity Devices. , 2014, , .		20
26	SoK: "Plug & Pray" Today â€" Understanding USB Insecurity in Versions 1 Through C. , 2018, , .		20
27	Using Intel Software Guard Extensions for Efficient Two-Party Secure Function Evaluation. Lecture Notes in Computer Science, 2016, , 302-318.	1.3	20
28	Outsourcing Secure Two-Party Computation as a Black Box. Lecture Notes in Computer Science, 2015, , 214-222.	1.3	16
29	Making Sense of the Ransomware Mess (and Planning a Sensible Path Forward). IEEE Potentials, 2017, 36, 28-31.	0.3	15
30	Host Identification via USB Fingerprinting. , 2011, , .		14
31	Taming the Costs of Trustworthy Provenance through Policy Reduction. ACM Transactions on Internet Technology, 2017, 17, 1-21.	4.4	14
32	Secure Multiparty Computation and Trusted Hardware: Examining Adoption Challenges and Opportunities. Security and Communication Networks, 2019, 2019, 1-28.	1.5	14
33	Leveraging Identity-Based Cryptography for Node ID Assignment in Structured P2P Systems. , 2007, , .		13
34	malnets: large-scale malicious networks via compromised wireless access points. Security and Communication Networks, 2010, 3, 102-113.	1.5	12
35	Kells. , 2010, , .		11
36	A Hybrid Approach to Secure Function Evaluation using SGX. , 2019, , .		11

#	Article	IF	Citations
37	Non-volatile memory and disks:. , 2007, , .		10
38	Scalable Web Content Attestation. IEEE Transactions on Computers, 2012, 61, 686-699.	3.4	10
39	LBM: A Security Framework for Peripherals within the Linux Kernel. , 2019, , .		10
40	Securing ARP/NDP From the Ground Up. IEEE Transactions on Information Forensics and Security, 2017, 12, 2131-2143.	6.9	9
41	FinTechSec: Addressing the Security Challenges of Digital Financial Services. IEEE Security and Privacy, 2017, 15, 85-89.	1.2	9
42	A Practical Intel SGX Setting for Linux Containers in the Cloud. , 2019, , .		9
43	Sonar: Detecting SS7 Redirection Attacks with Audio-Based Distance Bounding. , 2018, , .		8
44	Design, implementation and evaluation of security in iSCSI-based network storage systems. , 2006, , .		6
45	Forgive and forget. , 2013, , .		6
46	For Your Eyes Only: Privacy-preserving eye-tracking datasets. , 2022, , .		6
47	Abusing cloud-based browsers for fun and profit. , 2012, , .		5
48	Outsourcing secure twoâ€party computation as a black box. Security and Communication Networks, 2016, 9, 2261-2275.	1.5	5
49	Co-residency Attacks on Containers are Real. , 2020, , .		5
50	Characterizing security and privacy practices in emerging digital credit applications. , 2019, , .		4
51	Secure and Trustworthy Provenance Collection for Digital Forensics. , 2016, , 141-176.		3
52	Privacy preserving localization using a distributed particle filtering protocol. , 2017, , .		3
53	Privacy Preserving Web-Based Email. Lecture Notes in Computer Science, 2006, , 116-131.	1.3	3
54	One-Time Programs Made Practical. Lecture Notes in Computer Science, 2019, , 646-666.	1.3	3

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55	New Security Architectures Based on Emerging Disk Functionality. IEEE Security and Privacy, 2010, 8, 34-41.	1.2	2
56	Leveraging Data Provenance to Enhance Cyber Resilience. , 2016, , .		2
57	Efficient and secure template blinding for biometric authentication. , 2016, , .		2
58	Basebads: Automated security analysis of baseband firmware. , 2019, , .		2
59	Characterizing the Security of the SMS Ecosystem with Public Gateways. ACM Transactions on Privacy and Security, 2019, 22, 1-31.	3.0	2
60	ENCIDER: Detecting Timing and Cache Side Channels in SGX Enclaves and Cryptographic APIs. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 1577-1595.	5.4	2
61	Disk-enabled authenticated encryption. , 2010, , .		1
62	Mixed-granular architectural diversity for device security in the Internet of Things. , 2017, , .		1
63	Adversarial Video Captioning. , 2019, , .		1
64	Examining DES-based Cipher Suite Support within the TLS Ecosystem. , 2019, , .		1
65	Understanding Mutable Internet Pathogens, or How I Learned to Stop Worrying and Love Parasitic Behavior. Lecture Notes in Computer Science, 2005, , 36-48.	1.3	1
66	Towards Automated Privilege Separation. , 2007, , 272-276.		1
67	Android Escalation Paths. , 2018, , .		0
68	Enclave-based privacy-preserving localization. , 2019, , .		0
69	Privacy-Preserving Localization using Enclaves. , 2021, , .		0