# Kevin R B Butler

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 69 papers | 1,648 citations | 623734 14 h-index | 580821 25 g-index |
| 69 all docs | 69 docs citations | 69 times ranked | 1125 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | 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 |
| 2 | For Your Eyes Only: Privacy-preserving eye-tracking datasets. , 2022, , . | | 6 |
| 3 | A privacy-preserving approach to streaming eye-tracking data. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 2555-2565. | 4.4 | 28 |
| 4 | Privacy-Preserving Localization using Enclaves. , 2021, , . | | 0 |
| 5 | Co-residency Attacks on Containers are Real. , 2020, , . | | 5 |
| 6 | Characterizing security and privacy practices in emerging digital credit applications. , 2019, , . | | 4 |
| 7 | A Hybrid Approach to Secure Function Evaluation using SGX. , 2019, , . | | 11 |
| 8 | Adversarial Video Captioning. , 2019, , . | | 1 |
| 9 | Examining DES-based Cipher Suite Support within the TLS Ecosystem. , 2019, , . | | 1 |
| 10 | Basebads: Automated security analysis of baseband firmware. , 2019, , . | | 2 |
| 11 | Enclave-based privacy-preserving localization. , 2019, , . | | 0 |
| 12 | Secure Multiparty Computation and Trusted Hardware: Examining Adoption Challenges and Opportunities. Security and Communication Networks, 2019, 2019, 1-28. | 1.5 | 14 |
| 13 | A Practical Intel SGX Setting for Linux Containers in the Cloud. , 2019, , . | | 9 |
| 14 | LBM: A Security Framework for Peripherals within the Linux Kernel. , 2019, , . | | 10 |
| 15 | Characterizing the Security of the SMS Ecosystem with Public Gateways. ACM Transactions on Privacy and Security, 2019, 22, 1-31. | 3.0 | 2 |
| 16 | One-Time Programs Made Practical. Lecture Notes in Computer Science, 2019, , 646-666. | 1.3 | 3 |
| 17 | Android Escalation Paths. , 2018, , . | | 0 |
| 18 | Sonar: Detecting SS7 Redirection Attacks with Audio-Based Distance Bounding. , 2018, , . | | 8 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | SoK: "Plug &amp; Pray" Today â€" Understanding USB Insecurity in Versions 1 Through C. , 2018, , . | | 20 |
| 20 | *droid. ACM Computing Surveys, 2017, 49, 1-30. | 23.0 | 51 |
| 21 | Securing ARP/NDP From the Ground Up. IEEE Transactions on Information Forensics and Security, 2017, 12, 2131-2143. | 6.9 | 9 |
| 22 | FinTechSec: Addressing the Security Challenges of Digital Financial Services. IEEE Security and Privacy, 2017, 15, 85-89. | 1.2 | 9 |
| 23 | Taming the Costs of Trustworthy Provenance through Policy Reduction. ACM Transactions on Internet Technology, 2017, 17, 1-21. | 4.4 | 14 |
| 24 | Mo(bile) Money, Mo(bile) Problems. ACM Transactions on Privacy and Security, 2017, 20, 1-31. | 3.0 | 31 |
| 25 | Making Sense of the Ransomware Mess (and Planning a Sensible Path Forward). IEEE Potentials, 2017, 36, 28-31. | 0.3 | 15 |
| 26 | Transparent Web Service Auditing via Network Provenance Functions. , 2017, , . | | 23 |
| 27 | Privacy preserving localization using a distributed particle filtering protocol. , 2017, , . | | 3 |
| 28 | Mixed-granular architectural diversity for device security in the Internet of Things. , 2017, , . | | 1 |
| 29 | Outsourcing secure twoâ€party computation as a black box. Security and Communication Networks, 2016, 9, 2261-2275. | 1.5 | 5 |
| 30 | Leveraging Data Provenance to Enhance Cyber Resilience. , 2016, , . | | 2 |
| 31 | Efficient and secure template blinding for biometric authentication. , 2016, , . | | 2 |
| 32 | CPAC. , 2016, , . | | 27 |
| 33 | CryptoLock (and Drop It): Stopping Ransomware Attacks on User Data. , 2016, , . | | 235 |
| 34 | Sending Out an SMS: Characterizing the Security of the SMS Ecosystem with Public Gateways. , 2016, , . | | 29 |
| 35 | Secure and Trustworthy Provenance Collection for Digital Forensics. , 2016, , 141-176. | | 3 |
| 36 | Secure outsourced garbled circuit evaluation for mobile devices. Journal of Computer Security, 2016, 24, 137-180. | 0.8 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Frigate: A Validated, Extensible, and Efficient Compiler and Interpreter for Secure Computation. , 2016, , . | | 46 |
| 38 | Using Intel Software Guard Extensions for Efficient Two-Party Secure Function Evaluation. Lecture Notes in Computer Science, 2016, , 302-318. | 1.3 | 20 |
| 39 | Defending Against Malicious USB Firmware with GoodUSB. , 2015, , . | | 37 |
| 40 | More Guidelines Than Rules: CSRF Vulnerabilities from Noncompliant OAuth 2.0 Implementations. Lecture Notes in Computer Science, 2015, , 239-260. | 1.3 | 31 |
| 41 | Outsourcing Secure Two-Party Computation as a Black Box. Lecture Notes in Computer Science, 2015, , 214-222. | 1.3 | 16 |
| 42 | Leveraging USB to Establish Host Identity Using Commodity Devices. , 2014, , . | | 20 |
| 43 | Reuse It Or Lose It. , 2014, , . | | 29 |
| 44 | On detecting co-resident cloud instances using network flow watermarking techniques. International Journal of Information Security, 2014, 13, 171-189. | 3.4 | 50 |
| 45 | Let SDN Be Your Eyes: Secure Forensics in Data Center Networks. , 2014, , . | | 50 |
| 46 | Forgive and forget. , 2013, , . | | 6 |
| 47 | Towards secure provenance-based access control in cloud environments. , 2013, , . | | 49 |
| 48 | Hi-Fi. , 2012, , . | | 89 |
| 49 | Detecting co-residency with active traffic analysis techniques. , 2012, , . | | 70 |
| 50 | Abusing cloud-based browsers for fun and profit. , 2012, , . | | 5 |
| 51 | Scalable Web Content Attestation. IEEE Transactions on Computers, 2012, 61, 686-699. | 3.4 | 10 |
| 52 | Memory-Efficient Garbled Circuit Generation for Mobile Devices. Lecture Notes in Computer Science, 2012, , 254-268. | 1.3 | 28 |
| 53 | Host Identification via USB Fingerprinting. , 2011, , . | | 14 |
| 54 | A Survey of BGP Security Issues and Solutions. Proceedings of the IEEE, 2010, 98, 100-122. | 21.3 | 231 |

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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 | malnets: large-scale malicious networks via compromised wireless access points. Security and Communication Networks, 2010, 3, 102-113. | 1.5 | 12 |
| 57 | Disk-enabled authenticated encryption. , 2010, , . |  | 1 |
| 58 | Porscha. , 2010, , . |  | 57 |
| 59 | Kells. , 2010, , . |  | 11 |
| 60 | Scalable Web Content Attestation. , 2009, , . |  | 21 |
| 61 | Defending Against Attacks on Main Memory Persistence. , 2008, , . |  | 24 |
| 62 | Non-volatile memory and disks:. , 2007, , . |  | 10 |
| 63 | Leveraging Identity-Based Cryptography for Node ID Assignment in Structured P2P Systems. , 2007, , . |  | 13 |
| 64 | Towards Automated Privilege Separation. , 2007, , 272-276. |  | 1 |
| 65 | Origin authentication in interdomain routing. Computer Networks, 2006, 50, 2953-2980. | 5.1 | 33 |
| 66 | Optimizing BGP security by exploiting path stability. , 2006, , . |  | 44 |
| 67 | Design, implementation and evaluation of security in iSCSI-based network storage systems. , 2006, , . |  | 6 |
| 68 | Privacy Preserving Web-Based Email. Lecture Notes in Computer Science, 2006, , 116-131. | 1.3 | 3 |
| 69 | 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 |