# Angelos Stavrou

List of Publications by Year
in descending order



| 120 | 4,093 | 430874 | 182427 |
|---|---|---|---|
| papers | citations | 18 h-index | 51 g-index |

| 126 | 126 | 126 | 3120 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Understanding the Security Implication of Aborting Virtual Machine Live Migration. IEEE Transactions on Cloud Computing, 2022, 10, 1275-1286. | 4.4 | 3 |
| 2 | CloudSkulk: A Nested Virtual Machine Based Rootkit and Its Detection. , 2021, , . | | 1 |
| 3 | 21 Years of Distributed Denial-of-Service: A Call to Action. Computer, 2020, 53, 94-99. | 1.1 | 11 |
| 4 | 21 Years of Distributed Denial-of Service: Current State of Affairs. Computer, 2020, 53, 88-92. | 1.1 | 12 |
| 5 | Microservices made attack-resilient using unsupervised service fissioning. , 2020, , . | | 11 |
| 6 | Towards Transparent Debugging. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 321-335. | 5.4 | 8 |
| 7 | On early detection of application-level resource exhaustion and starvation. Journal of Systems and Software, 2018, 137, 430-447. | 4.5 | 5 |
| 8 | An adversarial coupon-collector model of asynchronous moving-target defense against botnet reconnaissance*. , 2018, , . | | 1 |
| 9 | Moving-Target Defense Against Botnet Reconnaissance and an Adversarial Coupon-Collection Model. , 2018, , . | | 2 |
| 10 | Resilient and Scalable Cloned App Detection Using Forced Execution and Compression Trees. , 2018, , . | | 3 |
| 11 | Dazed Droids. , 2018, , . | | 4 |
| 12 | Detecting and Characterizing Web Bot Traffic in a Large E-commerce Marketplace. Lecture Notes in Computer Science, 2018, , 143-163. | 1.3 | 5 |
| 13 | Breaking BLE Beacons For Fun But Mostly Profit. , 2017, , . | | 11 |
| 14 | An Empirical Investigation of Ecommerce-Reputation-Escalation-as-a-Service. ACM Transactions on the Web, 2017, 11, 1-35. | 2.5 | 9 |
| 15 | FROST. , 2017, , . | | 0 |
| 16 | DDoS in the IoT: Mirai and Other Botnets. Computer, 2017, 50, 80-84. | 1.1 | 1,251 |
| 17 | Advancing Open Science with Version Control and Blockchains. , 2017, , . | | 15 |
| 18 | Cybersecurity Leadership: Competencies, Governance, and Technologies for Industrial Control Systems. Journal of Interconnection Networks, 2017, 17, 1740001. | 1.0 | 11 |

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| 19 | The Mirai botnet and the IoT Zombie Armies. , 2017, , . | | 129 |
| 20 | Preliminary study of fission defenses against low-volume DoS attacks on proxied multiserver systems. , 2017, , . | | 3 |
| 21 | Improving traditional Android MDMs with non-traditional means. , 2016, , . | | 2 |
| 22 | Intrusion Detection in 802.11 Networks: Empirical Evaluation of Threats and a Public Dataset. IEEE Communications Surveys and Tutorials, 2016, 18, 184-208. | 39.4 | 353 |
| 23 | On the Move: Evading Distributed Denial-of-Service Attacks. Computer, 2016, 49, 104-107. | 1.1 | 5 |
| 24 | Learning Internet-of-Things Security "Hands-On". IEEE Security and Privacy, 2016, 14, 37-46. | 1.2 | 103 |
| 25 | On the DNS Deployment of Modern Web Services. , 2015, , . | | 15 |
| 26 | E-commerce Reputation Manipulation. , 2015, , . | | 47 |
| 27 | Targeted DoS on android: how to disable android in 10 seconds or less. , 2015, , . | | 5 |
| 28 | TrustLogin. , 2015, , . | | 10 |
| 29 | Analysis of content copyright infringement in mobile application markets. , 2015, , . | | 2 |
| 30 | Securely Making "Things" Right. Computer, 2015, 48, 84-88. | 1.1 | 8 |
| 31 | Using Hardware Features for Increased Debugging Transparency. , 2015, , . | | 46 |
| 32 | Continuous Authentication on Mobile Devices Using Power Consumption, Touch Gestures and Physical Movement of Users. Lecture Notes in Computer Science, 2015, , 405-424. | 1.3 | 33 |
| 33 | Radmin: Early Detection of Application-Level Resource Exhaustion and Starvation Attacks. Lecture Notes in Computer Science, 2015, , 515-537. | 1.3 | 4 |
| 34 | Preventing Exploits in Microsoft Office Documents Through Content Randomization. Lecture Notes in Computer Science, 2015, , 225-246. | 1.3 | 4 |
| 35 | Detecting Malicious Javascript in PDF through Document Instrumentation. , 2014, , . | | 36 |
| 36 | Catch Me If You Can: A Cloud-Enabled DDoS Defense. , 2014, , . | | 81 |

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| 37 | HyperCheck: A Hardware-AssistedIntegrity Monitor. IEEE Transactions on Dependable and Secure Computing, 2014, 11, 332-344. | 5.4 | 33 |
| 38 | A Framework to Secure Peripherals at Runtime. Lecture Notes in Computer Science, 2014, , 219-238. | 1.3 | 22 |
| 39 | A moving target DDoS defense mechanism. Computer Communications, 2014, 46, 10-21. | 5.1 | 99 |
| 40 | Click Fraud Detection on the Advertiser Side. Lecture Notes in Computer Science, 2014, , 419-438. | 1.3 | 18 |
| 41 | transAD: An Anomaly Detection Network Intrusion Sensor for the Web. Lecture Notes in Computer Science, 2014, , 477-489. | 1.3 | 1 |
| 42 | Activity Spoofing and Its Defense in Android Smartphones. Lecture Notes in Computer Science, 2014, , 494-512. | 1.3 | 5 |
| 43 | Improving network response times using social information. Social Network Analysis and Mining, 2013, 3, 209-220. | 2.8 | 2 |
| 44 | Capability-Based Defenses Against DoS Attacks in Multi-path MANET Communications. Wireless Personal Communications, 2013, 73, 127-148. | 2.7 | 5 |
| 45 | Behavioral Analysis of Android Applications Using Automated Instrumentation. , 2013, , . | | 24 |
| 46 | HIDEINSIDE — A novel randomized & encrypted antiforensic information hiding. , 2013, , . | | 8 |
| 47 | Forced-Path Execution for Android Applications on x86 Platforms. , 2013, , . | | 12 |
| 48 | PyTrigger: A System to Trigger & Extract User-Activated Malware Behavior. , 2013, , . | | 14 |
| 49 | Programming on Android: Best Practices for Security and Reliability. , 2013, , . | | 1 |
| 50 | Exposing software security and availability risks for commercial mobile devices. , 2013, , . | | 6 |
| 51 | Providing Usersâ€™ Anonymity in Mobile Hybrid Networks. ACM Transactions on Internet Technology, 2013, 12, 1-33. | 4.4 | 14 |
| 52 | MOTAG: Moving Target Defense against Internet Denial of Service Attacks. , 2013, , . | | 79 |
| 53 | SPECTRE: A dependable introspection framework via System Management Mode. , 2013, , . | | 53 |
| 54 | NetGator: Malware Detection Using Program Interactive Challenges. Lecture Notes in Computer Science, 2013, , 164-183. | 1.3 | 3 |

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| 55 | Switchwall: Automated Topology Fingerprinting and Behavior Deviation Identification. Lecture Notes in Computer Science, 2013, , 161-176. | 1.3 | 1 |
| 56 | Hardware-Assisted Application Integrity Monitor. , 2012, , . | | 3 |
| 57 | Exposing Security Risks for Commercial Mobile Devices. Lecture Notes in Computer Science, 2012, , 3-21. | 1.3 | 11 |
| 58 | DoubleGuard: Detecting Intrusions in Multitier Web Applications. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 512-525. | 5.4 | 36 |
| 59 | Malicious PDF detection using metadata and structural features. , 2012, , . | | 153 |
| 60 | A dependability analysis of hardware-assisted polling integrity checking systems. , 2012, , . | | 6 |
| 61 | Attestation & Authentication for USB Communications. , 2012, , . | | 5 |
| 62 | Analysis of Android Applications' Permissions. , 2012, , . | | 37 |
| 63 | A whitebox approach for automated security testing of Android applications on the cloud. , 2012, , . | | 51 |
| 64 | The MEERKATS Cloud Security Architecture. , 2012, , . | | 20 |
| 65 | Mobile Application and Device Power Usage Measurements. , 2012, , . | | 54 |
| 66 | Trading Elephants for Ants: Efficient Post-attack Reconstitution. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 460-469. | 0.3 | 0 |
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| 68 | Implementing and Optimizing an Encryption Filesystem on Android. , 2012, , . | | 24 |
| 69 | Building Security into Off-the-Shelf Smartphones. Computer, 2012, 45, 82-84. | 1.1 | 4 |
| 70 | Small World VoIP. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 137-155. | 0.3 | 0 |
| 71 | The MINESTRONE Architecture Combining Static and Dynamic Analysis Techniques for Software Security. , 2011, , . | | 3 |
| 72 | Firmware-assisted Memory Acquisition and Analysis tools for Digital Forensics. , 2011, , . | | 19 |

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| 73 | CapMan: Capability-Based Defense against Multi-Path Denial of Service (DoS) Attacks in MANET. , 2011, , . | | 7 |
| 74 | Advantages and Disadvantages of Remote Asynchronous Usability Testing Using Amazon Mechanical Turk. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1080-1084. | 0.3 | 4 |
| 75 | Predicting Network Response Times Using Social Information. , 2011, , . | | 5 |
| 76 | The ephemeral legion. Communications of the ACM, 2011, 54, 129-131. | 4.5 | 13 |
| 77 | Cross-Domain Collaborative Anomaly Detection: So Far Yet So Close. Lecture Notes in Computer Science, 2011, , 142-160. | 1.3 | 17 |
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| 80 | Specifying Time-Out Points in Surgical EMRsâ€“Work in Progress. Communications in Computer and Information Science, 2011, , 165-174. | 0.5 | 0 |
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| 88 | Providing Mobile Usersâ€™ Anonymity in Hybrid Networks. Lecture Notes in Computer Science, 2010, , 540-557. | 1.3 | 7 |
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| 91 | Keep your friends close. , 2009, , . | | 5 |
| 92 | The dynamic community of interest and its realization in ZODIAC. , 2009, 47, 40-47. | | 2 |
| 93 | Privacy Preservation over Untrusted Mobile Networks. Lecture Notes in Computer Science, 2009, , 84-105. | 1.3 | 12 |
| 94 | Adaptive Anomaly Detection via Self-calibration and Dynamic Updating. Lecture Notes in Computer Science, 2009, , 41-60. | 1.3 | 21 |
| 95 | A2M: Access-Assured Mobile Desktop Computing. Lecture Notes in Computer Science, 2009, , 186-201. | 1.3 | 1 |
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| 111 | W3Bcrypt: Encryption as a Stylesheet. Lecture Notes in Computer Science, 2006, , 349-364. | 1.3 | 2 |
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