

# Mauro Migliardi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4136042/publications.pdf>

Version: 2024-02-01

74  
papers

743  
citations

567144

15  
h-index

642610

23  
g-index

79  
all docs

79  
docs citations

79  
times ranked

464  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A survey on energy-aware security mechanisms. Pervasive and Mobile Computing, 2015, 24, 77-90.   | 2.1  | 68        |
| 2  | HARNESS: a next generation distributed virtual machine. Future Generation Computer Systems, 1999, 15, 571-582.   | 4.9  | 56        |
| 3  | Image processing on high-performance RISC systems. Proceedings of the IEEE, 1996, 84, 917-930.   | 16.4 | 51        |
| 4  | A Fraud-Resilient Blockchain-Based Solution for Invoice Financing. IEEE Transactions on Engineering Management, 2020, 67, 1086-1098.                   | 2.4  | 35        |
| 5  | Would You Mind Forking This Process? A Denial of Service Attack on Android (and Some) Tj ETQq1 1 0.784314 rgBT /Overlock, 10 Tf 50                     | 0.4  | 33        |
| 6  | A Denial of Service Attack to UMTS Networks Using SIM-Less Devices. IEEE Transactions on Dependable and Secure Computing, 2014, 11, 280-291.           | 3.7  | 29        |
| 7  | What is Green Security?. , 2011, , .   |      | 26        |
| 8  | Breaking and fixing the Android Launching Flow. Computers and Security, 2013, 39, 104-115.   | 4.0  | 26        |
| 9  | Measuring and estimating power consumption in Android to support energy-based intrusion detection. Journal of Computer Security, 2015, 23, 611-637.    | 0.5  | 26        |
| 10 | Towards energy-aware intrusion detection systems on mobile devices. , 2013, , .  |      | 25        |
| 11 | Invisible CAPTCHA: A usable mechanism to distinguish between malware and humans on the mobile IoT. Computers and Security, 2018, 78, 255-266.          | 4.0  | 23        |
| 12 | Improving energy efficiency in distributed intrusion detection systems. Journal of High Speed Networks, 2013, 19, 251-264.                             | 0.6  | 22        |
| 13 | Dynamic Reconfiguration and Virtual Machine Management in the Harness Metacomputing System. Lecture Notes in Computer Science, 1998, , 127-134.        | 1.0  | 21        |
| 14 | CirclePIN. ACM Transactions on Cyber-Physical Systems, 2020, 4, 1-19.  | 1.9  | 19        |
| 15 | Mobile interfaces to computational, data, and service grid systems. Mobile Computing and Communications Review, 2002, 6, 71-73.                        | 1.7  | 17        |
| 16 | Low-Resource Footprint, Data-Driven Malware Detection on Android. IEEE Transactions on Sustainable Computing, 2020, 5, 213-222.                        | 2.2  | 17        |
| 17 | A Completely Automatic Public Physical test to tell Computers and Humans Apart: A way to enhance authentication schemes in mobile devices. , 2015, , . |      | 16        |
| 18 | On energy-based profiling of malware in Android. , 2014, , .   |      | 15        |

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|----|---|------|-----------|
| 19 | Completely Automated Public Physical test to tell Computers and Humans Apart: A usability study on mobile devices. <i>Future Generation Computer Systems</i> , 2018, 82, 617-630. | 4.9  | 15        |
| 20 | A Denial of Service Attack to GSM Networks via Attach Procedure. <i>Lecture Notes in Computer Science</i> , 2013, , 361-376.  | 1.0  | 15        |
| 21 | Gotta CAPTCHA â€™Em All: A Survey of 20 Years of the Human-or-computer Dilemma. <i>ACM Computing Surveys</i> , 2022, 54, 1-33.  | 16.1 | 15        |
| 22 | Securing PINâ€based authentication in smartwatches with just two gestures. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5549.                             | 1.4  | 12        |
| 23 | PVM Emulation in the Harness Metacomputing System: A Plug-In Based Approach. <i>Lecture Notes in Computer Science</i> , 1999, , 117-124.  | 1.0  | 12        |
| 24 | Pervasive services and mobile devices may support human memory and enhance daily efficiency. <i>International Journal of Space-Based and Situated Computing</i> , 2012, 2, 175.   | 0.2  | 10        |
| 25 | Using Screen Brightness to Improve Security in Mobile Social Network Access. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2016, , 1-1.                           | 3.7  | 9         |
| 26 | On the viability of component frameworks for high performance distributed computing: a case study. , 0, , .   |      | 8         |
| 27 | Energy Consumption Simulation of Different Distributed Intrusion Detection Approaches. , 2013, , .  |      | 8         |
| 28 | Covert Channels in IoT Deployments Through Data Hiding Techniques. , 2018, , .  |      | 8         |
| 29 | 2GesturePIN: Securing PIN-Based Authentication on Smartwatches. , 2019, , .   |      | 8         |
| 30 | CCF: a framework for collaborative computing. <i>IEEE Internet Computing</i> , 2000, 4, 16-24.  | 3.2  | 7         |
| 31 | PVM Emulation in the Harness Metacomputing Framework - Design and Performance Evaluation. , 0, , .  |      | 7         |
| 32 | Standards based heterogeneous metacomputing: the design of HARNESS II. , 2002, , .  |      | 6         |
| 33 | Enhancing Personal Efficiency with Pervasive Services and Wearable Devices. , 2011, , .   |      | 6         |
| 34 | Plug-ins, layered services and behavioral objects. <i>Future Generation Computer Systems</i> , 2001, 17, 795-811.   | 4.9  | 5         |
| 35 | A measurement-based analysis of the responsiveness of the Linux kernel. , 2006, , .   |      | 5         |
| 36 | A Survey of Green, Energy-Aware Security and Some of Its Recent Developments in Networking and Mobile Computing. , 2014, , .  |      | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Cyber Threats to Industrial Control Systems. , 2015, , .  |     | 5         |
| 38 | Saving energy in aggressive intrusion detection through dynamic latency sensitivity recognition. Computers and Security, 2018, 76, 311-326. | 4.0 | 5         |
| 39 | Behavioral-Anomaly Detection in Forensics Analysis. IEEE Security and Privacy, 2019, 17, 55-62.   | 1.5 | 5         |
| 40 | Generating statistical insights into network behavior using SKETURE. Journal of High Speed Networks, 2016, 22, 65-76.                       | 0.6 | 4         |
| 41 | Blockchain-based risk mitigation for invoice financing. , 2019, , .   |     | 4         |
| 42 | Optimizing Network Energy Consumption through Intrusion Prevention Systems. Advances in Intelligent Systems and Computing, 2014, , 505-515. | 0.5 | 4         |
| 43 | Active Personal Information Manager: A System for Human Memory Support. , 2011, , .   |     | 3         |
| 44 | The 4W (What-Where-When-Who) Project Goes Social. , 2012, , .   |     | 3         |
| 45 | SKETURE. , 2015, , .  |     | 3         |
| 46 | IPS-based reduction of network energy consumption. Logic Journal of the IGPL, 2016, 24, 982-995.  | 1.3 | 3         |
| 47 | EMULATING PARALLEL PROGRAMMING ENVIRONMENTS IN THE HARNESS METACOMPUTING SYSTEM. Parallel Processing Letters, 2001, 11, 281-295.            | 0.4 | 2         |
| 48 | Distributed Intrusion Detection: Simulation and Evaluation of Two Methodologies. , 2009, , .  |     | 2         |
| 49 | On the Feasibility of Moderating a Peer-to-Peer CDN System: A Proof-of-Concept Implementation. , 2015, , .                                  |     | 2         |
| 50 | On The Case of Blockchain Adoption in the Internet of Things. Proceedings (mdpi), 2018, 2, 1231.  | 0.2 | 2         |
| 51 | Bio-inspired security analysis for IoT scenarios. International Journal of Embedded Systems, 2020, 13, 221.                                 | 0.2 | 2         |
| 52 | Memory Support Through Pervasive and Mobile Systems. Studies in Computational Intelligence, 2014, , 239-271.                                | 0.7 | 2         |
| 53 | A Distributed JAVASPACE Implementation for HARNESS. Journal of Parallel and Distributed Computing, 2000, 60, 1325-1340.                     | 2.7 | 1         |
| 54 | Balancing Delays and Energy Consumption in IPS-Enabled Networks. , 2016, , .  |     | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | AploTTE: An Architecture for the Security Assessment of Mobile-IoT Ecosystems. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 867-876.                      | 0.5 | 1         |
| 56 | An efficiency model for general purpose instruction level parallel architectures in image processing. <i>Computers and Electrical Engineering</i> , 2000, 26, 245-259.      | 3.0 | 0         |
| 57 | Automatic reincarnation of deceased plug-ins in the HARNESS metacomputing system. , 2002, , .   |     | 0         |
| 58 | HARNESSing intranet computational power for legacy applications: the case of ship vulnerability evaluation. , 0, , .  |     | 0         |
| 59 | RMI-like communication for migratable software components in HARNESS. <i>Advances in Parallel Computing</i> , 2004, 13, 87-94.  | 0.3 | 0         |
| 60 | A server-side software engine providing context-aware services. , 2007, , .   |     | 0         |
| 61 | A Survey of Recent Advancement in Prospective Memory Support Systems. , 2013, , .   |     | 0         |
| 62 | Welcome Message from the IIHCI-2013 Workshop Organizers. , 2013, , .  |     | 0         |
| 63 | Reducing Energy Consumption in Prospective Memory Support System through Hierarchical Positioning Algorithm. , 2014, , .  |     | 0         |
| 64 | Message from BWCCA 2014 Conference Organizers. , 2014, , .  |     | 0         |
| 65 | CISIS IIHCI Welcome Message. , 2014, , .  |     | 0         |
| 66 | Welcome Message from EASyCoSe 2014 Co-Chairs. , 2014, , .   |     | 0         |
| 67 | A Bio-inspired Approach to Attack Graphs Analysis. <i>Lecture Notes in Computer Science</i> , 2018, , 63-76.  | 1.0 | 0         |
| 68 | Active Agents Programming in HARNESS. <i>Lecture Notes in Computer Science</i> , 2000, , 622-625.   | 1.0 | 0         |
| 69 | Hiding Skype VoIP Calls from Parametric Identification. , 2008, , .   |     | 0         |
| 70 | Fostering Independent Living in the Aging Population through Proactive Paging. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2015, , 239-271. | 0.3 | 0         |
| 71 | Dynamic Latency Sensitivity Recognition: An Application to Energy Saving. <i>Lecture Notes in Computer Science</i> , 2017, , 138-151.                                       | 1.0 | 0         |
| 72 | Reducing the Impact of Traffic Sanitization on Latency Sensitive Applications. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 1019-1026.                    | 0.5 | 0         |

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|----|---|-----|-----------|
| 73 | Bio-inspired security analysis for IoT scenarios. International Journal of Embedded Systems, 2020, 13, 221. | 0.2 | 0         |
| 74 | A Methodological Perspective on Lawful Internet Surveillance. , 2020, , .                                   |     | 0         |