

Active learning-based mobile malware detection utilizing auto-labeling and data drift detection

Deng, Zhe; Hubert, Arthur; **Ben Yahia, Sadok; Bahsi, Hayretdin** Proceedings of the 2024 IEEE International Conference on Cyber Security and Resilience, CSR 2024 2024 / p. 146 - 151 <https://doi.org/10.1109/CSR61664.2024.10679343> [Article at Scopus](#) [Article at WOS](#)

Android malware concept drift using system calls : detection, characterization and challenges

Guerra Manzanares, Alejandro; Luckner, Marcin; **Bahsi, Hayretdin** Expert systems with applications 2022 / art. 117200, 19 p. : ill <https://doi.org/10.1016/j.eswa.2022.117200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experts still needed : boosting long-term android malware detection with active learning

Guerra-Manzanares, Alejandro; Bahsi, Hayretdin Journal of Computer Virology and Hacking Techniques 2024 / p. 901 - 918 <https://doi.org/10.1007/s11416-024-00536-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-depth feature selection and ranking for automated detection of mobile malware

Guerra Manzanares, Alejandro; Nömm, Sven; Bahsi, Hayretdin Proceedings of the 5th International Conference on Information Systems Security and Privacy : ICISPP 2019 : February 23-25, 2019, Prague, Czech Republic. Vol. 1 2019 / p. 274-283 : ill <https://doi.org/10.5220/0007349602740283>

KronoDroid : time-based hybrid-featured dataset for effective android malware detection and characterization

Guerra Manzanares, Alejandro; Bahsi, Hayretdin; Nömm, Sven Computers & Security 2021 / art. 102399, 32 p <https://doi.org/10.1016/j.cose.2021.102399> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the application of active learning to handle data evolution in Android malware detection

Guerra Manzanares, Alejandro; Bahsi, Hayretdin Digital forensics and cyber crime : 13th EAI international conference, ICDF2C 2022, Boston, MA, November 16-18, 2022 : proceedings 2023 / p. 256-273 https://doi.org/10.1007/978-3-031-36574-4_15

Time-frame analysis of system calls behavior in machine learning-based mobile malware detection

Guerra Manzanares, Alejandro; Nömm, Sven; Bahsi, Hayretdin 2019 International Conference on Cyber Security for Emerging Technologies : CSET 2019, Doha, Qatar, 27 October 2019 through 29 October 2019 2019 / art. 89049088 ; 8 p. : ill <https://doi.org/10.1109/CSET.2019.8904908>