

Mark Stamp

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,545
citations

304743

22
h-index

243625

44
g-index

94
all docs

94
docs citations

94
times ranked

1100
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Malware classification with Word2Vec, HMM2Vec, BERT, and ELMo. Journal of Computer Virology and Hacking Techniques, 2023, 19, 1-16. | 2.2 | 13 |
| 2 | Machine Learning for Malware Evolution Detection. Advances in Information Security, 2022, , 183-213. | 1.2 | 0 |
| 3 | Malware Classification using Long Short-term Memory Models. , 2021, , . | | 9 |
| 4 | Malware Classification with Word Embedding Features. , 2021, , . | | 5 |
| 5 | Malware Classification with GMM-HMM Models. , 2021, , . | | 5 |
| 6 | Computer-aided diagnosis of low grade endometrial stromal sarcoma (LGESS). Computers in Biology and Medicine, 2021, 138, 104874. | 7.0 | 7 |
| 7 | A New Dataset for Smartphone Gesture-based Authentication. , 2021, , . | | 3 |
| 8 | A Comparison of Word2Vec, HMM2Vec, and PCA2Vec for Malware Classification. , 2021, , 287-320. | | 5 |
| 9 | Word Embedding Techniques for Malware Evolution Detection. , 2021, , 321-343. | | 2 |
| 10 | Sentiment Analysis for Troll Detection on Weibo. , 2021, , 555-579. | | 5 |
| 11 | Universal Adversarial Perturbations and Image Spam Classifiers. , 2021, , 633-651. | | 0 |
| 12 | A Selective Survey of Deep Learning Techniques and Their Application to Malware Analysis. , 2021, , 3-51. | | 1 |
| 13 | Emulation Versus Instrumentation for Android Malware Detection. Advanced Sciences and Technologies for Security Applications, 2021, , 1-20. | 0.5 | 2 |
| 14 | An Empirical Analysis of Image-Based Learning Techniques for Malware Classification. , 2021, , 411-435. | | 14 |
| 15 | Cluster Analysis of Malware Family Relationships. , 2021, , 361-379. | | 4 |
| 16 | On Ensemble Learning. , 2021, , 223-246. | | 4 |
| 17 | Detecting malware evolution using support vector machines. Expert Systems With Applications, 2020, 143, 113022. | 7.6 | 52 |
| 18 | Multifamily malware models. Journal of Computer Virology and Hacking Techniques, 2020, 16, 79-92. | 2.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Convolutional neural networks for image spam detection. Information Security Journal, 2020, 29, 103-117. | 1.9 | 13 |
| 20 | Convolutional neural networks and extreme learning machines for malware classification. Journal of Computer Virology and Hacking Techniques, 2020, 16, 229-244. | 2.2 | 39 |
| 21 | Black box analysis of android malware detectors. Array, 2020, 6, 100022. | 4.0 | 4 |
| 22 | BootBandit: A macOS bootloader attack. Engineering Reports, 2019, 1, e12032. | 1.7 | 0 |
| 23 | Feature analysis of encrypted malicious traffic. Expert Systems With Applications, 2019, 125, 130-141. | 7.6 | 53 |
| 24 | A Dynamic Heuristic Method for Detecting Packed Malware Using Naive Bayes. , 2019, , . | | 14 |
| 25 | Hidden Markov models with random restarts versus boosting for malware detection. Journal of Computer Virology and Hacking Techniques, 2019, 15, 97-107. | 2.2 | 15 |
| 26 | An analysis of Android adware. Journal of Computer Virology and Hacking Techniques, 2019, 15, 147-160. | 2.2 | 12 |
| 27 | Transfer Learning for Image-based Malware Classification. , 2019, , . | | 46 |
| 28 | A Comparative Analysis of Android Malware. , 2019, , . | | 7 |
| 29 | Image spam analysis and detection. Journal of Computer Virology and Hacking Techniques, 2018, 14, 39-52. | 2.2 | 37 |
| 30 | VigenÃre scores for malware detection. Journal of Computer Virology and Hacking Techniques, 2018, 14, 157-165. | 2.2 | 4 |
| 31 | Function Call Graphs Versus Machine Learning for Malware Detection. Computer Communications and Networks, 2018, , 259-279. | 0.8 | 3 |
| 32 | A Survey of Machine Learning Algorithms and Their Application in Information Security. Computer Communications and Networks, 2018, , 33-55. | 0.8 | 8 |
| 33 | Detecting Encrypted and Polymorphic Malware Using Hidden Markov Models. Computer Communications and Networks, 2018, , 281-299. | 0.8 | 7 |
| 34 | Autocorrelation Analysis of Financial Botnet Traffic. , 2018, , . | | 3 |
| 35 | Deep Learning versus Gist Descriptors for Image-based Malware Classification. , 2018, , . | | 34 |
| 36 | Acoustic Gait Analysis using Support Vector Machines. , 2018, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Support Vector Machines for Image Spam Analysis. , 2018, , . | | 4 |
| 38 | On the Effectiveness of Generic Malware Models. , 2018, , . | | 2 |
| 39 | On the Effectiveness of Generic Malware Models. , 2018, , . | | 3 |
| 40 | Robust Hashing for Image-based Malware Classification. , 2018, , . | | 2 |
| 41 | Robust Hashing for Image-based Malware Classification. , 2018, , . | | 1 |
| 42 | Classic cryptanalysis using hidden Markov models. Cryptologia, 2017, 41, 1-28. | 0.5 | 13 |
| 43 | Clustering for malware classification. Journal of Computer Virology and Hacking Techniques, 2017, 13, 95-107. | 2.2 | 37 |
| 44 | A comparison of static, dynamic, and hybrid analysis for malware detection. Journal of Computer Virology and Hacking Techniques, 2017, 13, 1-12. | 2.2 | 270 |
| 45 | A completely covert audio channel in Android. Journal of Computer Virology and Hacking Techniques, 2017, 13, 141-152. | 2.2 | 2 |
| 46 | Static and Dynamic Analysis of Android Malware. , 2017, , . | | 40 |
| 47 | SocioBot: a Twitter-based botnet. International Journal of Security and Networks, 2017, 12, 1. | 0.2 | 0 |
| 48 | Advanced transcriptase for JavaScript malware. , 2016, , . | | 1 |
| 49 | Static Analysis of Malicious Java Applets. , 2016, , . | | 8 |
| 50 | Support vector machines and malware detection. Journal of Computer Virology and Hacking Techniques, 2016, 12, 203-212. | 2.2 | 32 |
| 51 | Clustering versus SVM for malware detection. Journal of Computer Virology and Hacking Techniques, 2016, 12, 213-224. | 2.2 | 16 |
| 52 | Compression-based analysis of metamorphic malware. International Journal of Security and Networks, 2015, 10, 124. | 0.2 | 13 |
| 53 | Masquerade detection on GUI-based Windows systems. International Journal of Security and Networks, 2015, 10, 32. | 0.2 | 4 |
| 54 | Singular value decomposition and metamorphic detection. Journal of Computer Virology and Hacking Techniques, 2015, 11, 203-216. | 2.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Dueling hidden Markov models for virus analysis. Journal of Computer Virology and Hacking Techniques, 2015, 11, 103-118. | 2.2 | 21 |
| 56 | Hidden Markov models for malware classification. Journal of Computer Virology and Hacking Techniques, 2015, 11, 59-73. | 2.2 | 78 |
| 57 | Hunting for metamorphic JavaScript malware. Journal of Computer Virology and Hacking Techniques, 2015, 11, 89-102. | 2.2 | 20 |
| 58 | HTTP attack detection using n-gram analysis. Computers and Security, 2014, 45, 242-254. | 6.0 | 29 |
| 59 | Cryptanalysis of Typex. Cryptologia, 2014, 38, 116-132. | 0.5 | 1 |
| 60 | Metamorphic code generation from LLVM bytecode. Journal of Computer Virology and Hacking Techniques, 2014, 10, 177-187. | 2.2 | 11 |
| 61 | Automating NFC message sending for good and evil. Journal of Computer Virology and Hacking Techniques, 2014, 10, 273-297. | 2.2 | 5 |
| 62 | Eigenvalue analysis for metamorphic detection. Journal of Computer Virology and Hacking Techniques, 2014, 10, 53-65. | 2.2 | 33 |
| 63 | Hunting for Pirated Software Using Metamorphic Analysis. Information Security Journal, 2014, 23, 68-85. | 1.9 | 9 |
| 64 | Structural entropy and metamorphic malware. Journal of Computer Virology and Hacking Techniques, 2013, 9, 179-192. | 2.2 | 105 |
| 65 | Simple substitution distance and metamorphic detection. Journal of Computer Virology and Hacking Techniques, 2013, 9, 159-170. | 2.2 | 53 |
| 66 | Metamorphic worm that carries its own morphing engine. Journal of Computer Virology and Hacking Techniques, 2013, 9, 49-58. | 2.2 | 57 |
| 67 | Exploring Hidden Markov Models for Virus Analysis: A Semantic Approach. , 2013, , . | | 55 |
| 68 | Deriving common malware behavior through graph clustering. Computers and Security, 2013, 39, 419-430. | 6.0 | 69 |
| 69 | Chi-squared distance and metamorphic virus detection. Journal of Computer Virology and Hacking Techniques, 2013, 9, 1-14. | 2.2 | 68 |
| 70 | Efficient Cryptanalysis of Homophonic Substitution Ciphers. Cryptologia, 2013, 37, 250-281. | 0.5 | 14 |
| 71 | Hidden Markov Models for Software Piracy Detection. Information Security Journal, 2013, 22, 140-149. | 1.9 | 10 |
| 72 | Opcode graph similarity and metamorphic detection. Journal in Computer Virology, 2012, 8, 37-52. | 1.9 | 128 |

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|----|--|-----|-----------|
| 73 | Masquerade detection using profile hidden Markov models. Computers and Security, 2011, 30, 732-747. | 6.0 | 27 |
| 74 | Hunting for undetectable metamorphic viruses. Journal in Computer Virology, 2011, 7, 201-214. | 1.9 | 98 |
| 75 | A highly metamorphic virus generator. International Journal of Multimedia Intelligence and Security, 2010, 1, 402. | 0.1 | 14 |
| 76 | iPhone Security Analysis. Journal of Information Security, 2010, 01, 74-87. | 0.8 | 11 |
| 77 | Profile hidden Markov models and metamorphic virus detection. Journal in Computer Virology, 2009, 5, 151-169. | 1.9 | 81 |
| 78 | An agent-based privacy-enhancing model. Information Management and Computer Security, 2008, 16, 305-319. | 1.2 | 9 |
| 79 | SIGABA: Cryptanalysis of the Full Keyspace. Cryptologia, 2007, 31, 201-222. | 0.5 | 6 |
| 80 | Solvable problems in enterprise digital rights management. Information Management and Computer Security, 2007, 15, 33-45. | 1.2 | 2 |
| 81 | Hunting for metamorphic engines. Journal in Computer Virology, 2006, 2, 211-229. | 1.9 | 195 |
| 82 | P3P privacy enhancing agent. , 2006, , . | | 4 |
| 83 | A characterization of a class of discrete nonlinear feedback systems. Communications in Information and Systems, 2005, 5, 305-310. | 0.5 | 0 |
| 84 | Risks of monoculture. Communications of the ACM, 2004, 47, 120. | 4.5 | 38 |
| 85 | Risks of digital rights management. Communications of the ACM, 2002, 45, 120. | 4.5 | 7 |
| 86 | An algorithm for the k-error linear complexity of binary sequences with period $2/\sup n/$. IEEE Transactions on Information Theory, 1993, 39, 1398-1401. | 2.4 | 138 |
| 87 | Circular Binary Sequences. SIAM Review, 1992, 34, 496-497. | 9.5 | 0 |
| 88 | Introduction to Machine Learning with Applications in Information Security. , 0, , . | | 40 |