Heng Yin

List of Publications by Year
in descending order

23 papers	1,655 citations	1307594 7 h-index	1474206 9 g-index
25 all docs	25 docs citations	25 times ranked	869 citing authors

#	Article	IF	Citations
1	SeqTrans: Automatic Vulnerability Fix Via Sequence to Sequence Learning. IEEE Transactions on Software Engineering, 2023, 49, 564-585.	5.6	7
2	Codee: A Tensor Embedding Scheme for Binary Code Search. IEEE Transactions on Software Engineering, 2022, 48, 2224-2244.	5.6	21
3	Probabilistic Path Prioritization for Hybrid Fuzzing. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1955-1973.	5.4	3
4	Leveraging developer information for efficient effort-aware bug prediction. Information and Software Technology, 2021, 137, 106605.	4.4	14
5	DeepBinDiff: Learning Program-Wide Code Representations for Binary Diffing. , 2020, , .		80
6	AOMDroid: Detecting Obfuscation Variants of Android Malware Using Transfer Learning. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 242-253.	0.3	4
7	PatchScope: Memory Object Centric Patch Diffing. , 2020, , .		10
8	Send Hardest Problems My Way: Probabilistic Path Prioritization for Hybrid Fuzzing. , 2019, , .		66
9	DeepMem. , 2018, , .		28
10	Things You May Not Know About Android (Un)Packers: A Systematic Study based on Whole-System Emulation. , 2018, , .		52
11	DECAF: A Platform-Neutral Whole-System Dynamic Binary Analysis Platform. IEEE Transactions on Software Engineering, 2017, 43, 164-184.	5.6	31
12	Neural Network-based Graph Embedding for Cross-Platform Binary Code Similarity Detection. , 2017, , .		333
13	ORIGEN. , 2016, , .		7
14	Scalable Graph-based Bug Search for Firmware Images. , 2016, , .		235
15	Towards Automatic Generation of Security-Centric Descriptions for Android Apps. , 2015, , .		44
16	On the Trustworthiness of Memory Analysisâ€"An Empirical Study from the Perspective of Binary Execution. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 557-570.	5.4	8
17	Make it work, make it right, make it fast: building a platform-neutral whole-system dynamic binary analysis platform. , 2014, , .		72
18	MACE. , 2014, , .		15

#	Article	IF	Citations
19	A Software Environment for Confining Malicious Android Applications via Resource Virtualization. , 2013, , .		1
20	Manipulating semantic values in kernel data structures: Attack assessments and implications. , 2013, , .		16
21	DroidAPIMiner: Mining API-Level Features for Robust Malware Detection in Android. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 86-103.	0.3	419
22	Keychain-Based Signatures for Securing BGP. IEEE Journal on Selected Areas in Communications, 2010, 28, 1308-1318.	14.0	10
23	Renovo. , 2007, , .		179