

# Wes Masri

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

641  
citations

933447

10  
h-index

752698

20  
g-index

41  
all docs

41  
docs citations

41  
times ranked

236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence of coincidental correctness and mitigation of its impact on fault localization. ACM Transactions on Software Engineering and Methodology, 2014, 23, 1-28.	6.0	72
2	An Empirical Study of Test Case Filtering Techniques Based on Exercising Information Flows. IEEE Transactions on Software Engineering, 2007, 33, 454-477.	5.6	69
3	Fault localization based on information flow coverage. Software Testing Verification and Reliability, 2010, 20, 121-147.	2.0	55
4	Cleansing Test Suites from Coincidental Correctness to Enhance Fault-Localization. , 2010, , .		53
5	An empirical study of the factors that reduce the effectiveness of coverage-based fault localization. , 2009, , .		43
6	Measuring the strength of information flows in programs. ACM Transactions on Software Engineering and Methodology, 2009, 19, 1-33.	6.0	41
7	Algorithms and tool support for dynamic information flow analysis. Information and Software Technology, 2009, 51, 385-404.	4.4	29
8	Application-based anomaly intrusion detection with dynamic information flow analysis. Computers and Security, 2008, 27, 176-187.	6.0	26
9	An empirical study of the strength of information flows in programs. , 2006, , .		21
10	An empirical evaluation of test case filtering techniques based on exercising complex information flows. , 2005, , .		20
11	Exploiting the empirical characteristics of program dependences for improved forward computation of dynamic slices. Empirical Software Engineering, 2008, 13, 369-399.	3.9	17
12	GUICOP: Specification-Based GUI Testing. , 2012, , .		14
13	Enhancing Fault Localization via Multivariate Visualization. , 2012, , .		14
14	<i>SQLPIL</i>: SQL injection prevention by input labeling. Security and Communication Networks, 2015, 8, 2545-2560.	1.5	14
15	Coincidental correctness in the Defects4J benchmark. Software Testing Verification and Reliability, 2019, 29, e1696.	2.0	14
16	Test case filtering and prioritization based on coverage of combinations of program elements. , 2009, , .		12
17	Generating profile-based signatures for online intrusion and failure detection. Information and Software Technology, 2014, 56, 238-251.	4.4	12
18	Using dynamic information flow analysis to detect attacks against applications. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2005, 30, 1-7.	0.7	11

#	ARTICLE	IF	CITATIONS
19	Identifying Failure-Correlated Dependence Chains. , 2011, , .		11
20	An algorithm for capturing variables dependences in test suites. Journal of Systems and Software, 2011, 84, 1171-1190.	4.5	10
21	The potential of using dynamic information flow analysis in data value prediction. , 2010, , .		9
22	Using dynamic information flow analysis to detect attacks against applications. , 2005, , .		8
23	Automated Fault Localization. Advances in Computers, 2015, , 103-156.	1.6	8
24	Memoized Forward Computation of Dynamic Slices. Software Reliability Engineering (ISSRE), Proceedings of the IEEE International Symposium on, 2006, , .	0.0	7
25	Intrusion detection using signatures extracted from execution profiles. , 2009, , .		5
26	Does Principal Component Analysis Improve Cluster-Based Analysis?. , 2013, , .		5
27	PBCOV: a property-based coverage criterion. Software Quality Journal, 2015, 23, 171-202.	2.2	5
28	UCov: a userâ€defined coverage criterion for test case intent verification. Software Testing Verification and Reliability, 2016, 26, 460-491.	2.0	5
29	Coverage Specification for Test Case Intent Preservation in Regression Suites. , 2013, , .		4
30	How detrimental is coincidental correctness to coverageâ€based fault detection and localization? An empirical study. Software Testing Verification and Reliability, 2021, 31, e1762.	2.0	4
31	Leveraging Strength-Based Dynamic Information Flow Analysis to Enhance Data Value Prediction. Transactions on Architecture and Code Optimization, 2012, 9, 1-33.	2.0	3
32	State Profiling of Internal Variables. , 2014, , .		3
33	Substate Profiling for Effective Test Suite Reduction. , 2018, , .		3
34	Substate Profiling for Enhanced Fault Detection and Localization: An Empirical Study. , 2020, , .		3
35	Property based coverage criterion. , 2009, , .		2
36	Lossless Reduction of Execution Profiles Using a Genetic Algorithm. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
37	Reducing execution profiles: techniques and benefits. Software Testing Verification and Reliability, 2015, 25, 115-137.	2.0	2
38	GUICop: Approach and toolset for specification-based GUI testing. Software Testing Verification and Reliability, 2017, 27, e1642.	2.0	2
39	Isolating failing test cases: A comparative experimental study of clustering techniques. , 2013, , .		1
40	Weighted Execution Profiles for Software Testing. , 2014, , .		1
41	CFAAR: Control Flow Alteration to Assist Repair. , 2018, , .		1