

Phil McMinn

List of Publications by Year in descending order

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47
papers

3,368
citations

687363

13
h-index

752698

20
g-index

47
all docs

47
docs citations

47
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Repair of Responsive Web Page Layouts. , 2022, , .		2
2	Effective automated repair of internationalization presentation failures in web applications using style similarity clustering and search-based techniques. Software Testing Verification and Reliability, 2021, 31, .	2.0	8
3	Automated visual classification of DOM-based presentation failure reports for responsive web pages. Software Testing Verification and Reliability, 2021, 31, e1756.	2.0	3
4	STICCER: Fast and Effective Database Test Suite Reduction Through Merging of Similar Test Cases. , 2020, , .		2
5	Automatically identifying potential regressions in the layout of responsive web pages. Software Testing Verification and Reliability, 2020, 30, e1748.	2.0	10
6	Automatic Visual Verification of Layout Failures in Responsively Designed Web Pages. , 2019, , .		7
7	Simulating Student Mistakes to Evaluate the Fairness of Automated Grading. , 2019, , .		5
8	What Factors Make SQL Test Cases Understandable for Testers? A Human Study of Automated Test Data Generation Techniques. , 2019, , .		5
9	Automatic Detection and Removal of Ineffective Mutants for the Mutation Analysis of Relational Database Schemas. IEEE Transactions on Software Engineering, 2019, 45, 427-463.	5.6	10
10	Effectively Incorporating Expert Knowledge in Automated Software Remodularisation. IEEE Transactions on Software Engineering, 2018, 44, 613-630.	5.6	5
11	Random or evolutionary search for object-oriented test suite generation?. Software Testing Verification and Reliability, 2018, 28, e1660.	2.0	18
12	Automated repair of mobile friendly problems in web pages. , 2018, , .		22
13	Automated Repair of Internationalization Presentation Failures in Web Pages Using Style Similarity Clustering and Search-Based Techniques. , 2018, , .		24
14	XFix: an automated tool for the repair of layout cross browser issues. , 2017, , .		12
15	Automated repair of layout cross browser issues using search-based techniques. , 2017, , .		35
16	Automated layout failure detection for responsive web pages without an explicit oracle. , 2017, , .		25
17	ReDeCheck: an automatic layout failure checking tool for responsively designed web pages. , 2017, , .		10
18	Disposable Testing: Avoiding Maintenance of Generated Unit Tests by Throwing Them Away. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	SchemaAnalyst: Search-Based Test Data Generation for Relational Database Schemas. , 2016, , .		9
20	AVMf: An Open-Source Framework and Implementation of the Alternating Variable Method. Lecture Notes in Computer Science, 2016, , 259-266.	1.3	5
21	Do Automatically Generated Unit Tests Find Real Faults? An Empirical Study of Effectiveness and Challenges (T). , 2015, , .		152
22	Automatic Detection of Potential Layout Faults Following Changes to Responsive Web Pages (N). , 2015, , .		27
23	The Oracle Problem in Software Testing: A Survey. IEEE Transactions on Software Engineering, 2015, 41, 507-525.	5.6	608
24	Design and analysis of different alternating variable searches for search-based software testing. Theoretical Computer Science, 2015, 605, 1-20.	0.9	26
25	Does Automated Unit Test Generation Really Help Software Testers? A Controlled Empirical Study. ACM Transactions on Software Engineering and Methodology, 2015, 24, 1-49.	6.0	92
26	Automatic generation of valid and invalid test data for string validation routines using web searches and regular expressions. Science of Computer Programming, 2015, 97, 405-425.	1.9	20
27	A Memetic Algorithm for whole test suite generation. Journal of Systems and Software, 2015, 103, 311-327.	4.5	57
28	Establishing the Source Code Disruption Caused by Automated Remodularisation Tools. , 2014, , .		11
29	Search-Based Propagation of Regression Faults in Automated Regression Testing. , 2013, , .		6
30	An identification of program factors that impact crossover performance in evolutionary test input generation for the branch coverage of C programs. Information and Software Technology, 2013, 55, 153-172.	4.4	12
31	An orchestrated survey of methodologies for automated software test case generation. Journal of Systems and Software, 2013, 86, 1978-2001.	4.5	493
32	Search-Based Testing of Relational Schema Integrity Constraints Across Multiple Database Management Systems. , 2013, , .		29
33	Efficient Mutation Analysis of Relational Database Structure Using Mutant Schemata and Parallelisation. , 2013, , .		14
34	Supervised software modularisation. , 2012, , .		23
35	A multiobjective optimisation approach for the dynamic inference and refinement of agent-based model specifications. , 2011, , .		2
36	Search-Based Software Testing: Past, Present and Future. , 2011, , .		200

#	ARTICLE	IF	CITATIONS
37	An empirical investigation into branch coverage for C programs using CUTE and AUSTIN. Journal of Systems and Software, 2010, 83, 2379-2391.	4.5	50
38	A Theoretical and Empirical Study of Search-Based Testing: Local, Global, and Hybrid Search. IEEE Transactions on Software Engineering, 2010, 36, 226-247.	5.6	298
39	How Does Program Structure Impact the Effectiveness of the Crossover Operator in Evolutionary Testing?. , 2010, , .		4
40	Mutation Operators for Agent-Based Models. , 2010, , .		9
41	TAIC PART 2007 and Mutation 2007 special issue editorial. Journal of Systems and Software, 2009, 82, 1753-1754.	4.5	0
42	Editorial: Testing practice and research. Software Testing Verification and Reliability, 2008, 18, 69-70.	2.0	0
43	Validation and discovery from computational biology models. BioSystems, 2008, 93, 141-150.	2.0	14
44	Agent Based Modelling Helps in Understanding the Rules by Which Fibroblasts Support Keratinocyte Colony Formation. PLoS ONE, 2008, 3, e2129.	2.5	24
45	An integrated systems biology approach to understanding the rules of keratinocyte colony formation. Journal of the Royal Society Interface, 2007, 4, 1077-1092.	3.4	52
46	Editorial: Addressing industrial challengesâ€”UKTest 2005 and beyond. Software Testing Verification and Reliability, 2006, 16, 131-132.	2.0	0
47	Search-based software test data generation: a survey. Software Testing Verification and Reliability, 2004, 14, 105-156.	2.0	927