

# Javier Tuya

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

699  
citations

840776

11  
h-index

713466

21  
g-index

58  
all docs

58  
docs citations

58  
times ranked

436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutating database queries. Information and Software Technology, 2007, 49, 398-417.	4.4	95
2	A tabu search algorithm for structural software testing. Computers and Operations Research, 2008, 35, 3052-3072.	4.0	63
3	SQLMutation: A tool to generate mutants of SQL database queries. , 2006, , .		42
4	Testing in Service Oriented Architectures with dynamic binding: A mapping study. Information and Software Technology, 2011, 53, 171-189.	4.4	41
5	Automated test data generation using a scatter search approach. Information and Software Technology, 2009, 51, 708-720.	4.4	35
6	Using an SQL coverage measurement for testing database applications. , 2004, , .		33
7	Full predicate coverage for testing SQL database queries. Software Testing Verification and Reliability, 2010, 20, 237-288.	2.0	31
8	Constraint-based test database generation for SQL queries. , 2010, , .		31
9	Using an SQL coverage measurement for testing database applications. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2004, 29, 253-262.	0.7	23
10	Incorporating fuzzy approaches for production planning in complex industrial environments: the roll shop case. Engineering Applications of Artificial Intelligence, 2004, 17, 73-81.	8.1	18
11	Testing Long-Lived Web Services Transactions Using a Risk-Based Approach. , 2010, , .		16
12	Testing of transactional services in NoSQL key-value databases. Future Generation Computer Systems, 2018, 80, 384-399.	7.5	14
13	EDSS for the evaluation of alternatives in waste water collecting systems design. Environmental Modelling and Software, 2005, 20, 639-649.	4.5	13
14	A First Approach to Test Case Generation for BPEL Compositions of Web Services Using Scatter Search. , 2009, , .		13
15	Automatic Testing of Design Faults in MapReduce Applications. IEEE Transactions on Reliability, 2018, 67, 717-732.	4.6	13
16	Generation of Conformance Test Suites for Compositions of Web Services Using Model Checking. , 0, , .		12
17	Coverage-Aware Test Database Reduction. IEEE Transactions on Software Engineering, 2016, 42, 941-959.	5.6	12
18	MRTree: Functional Testing Based on MapReduce's Execution Behaviour. , 2014, , .		11

#	ARTICLE	IF	CITATIONS
19	A controlled experiment on white-box database testing. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2008, 33, 1-6.	0.7	10
20	Multi-dimensional criteria for testing web services transactions. Journal of Computer and System Sciences, 2013, 79, 1057-1076.	1.2	10
21	Automatic generation of assumptions for modular verification of software specifications. Journal of Systems and Software, 2006, 79, 1324-1340.	4.5	9
22	Testing the reliability of web services transactions in cooperative applications. , 2012, , .		9
23	Coverage-Based Testing for Service Level Agreements. IEEE Transactions on Services Computing, 2015, 8, 299-313.	4.6	9
24	Testing data transformations in MapReduce programs. , 2015, , .		9
25	Early Integration Testing for Entity Reconciliation in the Context of Heterogeneous Data Sources. IEEE Transactions on Reliability, 2018, 67, 538-556.	4.6	9
26	A practical guide to SQL white-box testing. ACM SIGPLAN Notices, 2006, 41, 36-41.	0.2	8
27	An Abstract Transaction Model for Testing the Web Services Transactions. , 2011, , .		8
28	A Framework to Test Advanced Web Services Transactions. , 2011, , .		7
29	Test Adequacy Evaluation for the User-database Interaction: A Specification-Based Approach. , 2012, , .		7
30	Incremental test data generation for database queries. Automated Software Engineering, 2017, 24, 719-755.	2.9	7
31	Query-aware shrinking test databases. , 2009, , .		6
32	A Proactive Approach to Test Service Level Agreements. , 2010, , .		6
33	Automatic test case generation for WS-Agreements using combinatorial testing. Computer Standards and Interfaces, 2015, 38, 84-100.	5.4	5
34	Towards an MDE-based approach to test entity reconciliation applications. , 2016, , .		5
35	Testing MapReduce programs: A systematic mapping study. Journal of Software: Evolution and Process, 2019, 31, e2120.	1.6	5
36	Configuration/Infrastructure-aware testing of MapReduce programs. Advances in Science, Technology and Engineering Systems, 2017, 2, 90-96.	0.5	5

#	ARTICLE	IF	CITATIONS
37	A Partial Test Oracle for XML Query Testing. , 2009, , .		4
38	An automated test oracle for XML processing programs. , 2010, , .		4
39	Dependency-based criteria for testing web services transactional workflows. , 2011, , .		4
40	Evaluating the effectiveness of the abstract transaction model in testing Web services transactions. Concurrency Computation Practice and Experience, 2015, 27, 765-781.	2.2	4
41	A test model for graph database applications: an MDA-based approach. , 2015, , .		4
42	Infrastructure-Aware Functional Testing of MapReduce Programs. , 2016, , .		4
43	Debugging Flaky Tests on Web Applications. , 2019, , .		4
44	Populating Test Databases for Testing SQL Queries. IEEE Latin America Transactions, 2010, 8, 164-171.	1.6	3
45	RETORCH: Resource-Aware End-to-End Test Orchestration. Communications in Computer and Information Science, 2019, , 297-310.	0.5	3
46	A Partition-Based Approach for XPath Testing. , 2006, , .		2
47	A Family of Test Criteria for Web Services Transactions. Procedia Computer Science, 2012, 10, 880-887.	2.0	2
48	Design and Implementation of a Tool to Test Service Level Agreements. IEEE Latin America Transactions, 2014, 12, 256-261.	1.6	2
49	A Generic Framework for Testing the Web Services Transactions. , 2014, , 29-49.		2
50	Dynamic analysis of SA/RT models using SPIN and modular verification. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 1997, , 165-183.	0.0	2
51	Translating SA/RT Models to Synchronous Reactive Systems: An Approximation to Modular Verification Using the SMV Model Checker. Lecture Notes in Computer Science, 2000, , 493-502.	1.3	1
52	RETORCH: an approach for resource-aware orchestration of end-to-end test cases. Software Quality Journal, 2020, 28, 1147-1171.	2.2	1
53	Debugging Flaky Tests on Web Applications. , 2019, , .		1
54	Synchronous Estelle: Just Another Synchronous Language?. Electronic Notes in Theoretical Computer Science, 2004, 88, 71-86.	0.9	0

#	ARTICLE	IF	CITATIONS
55	Coverage Measurement for SQL Queries. IEEE Latin America Transactions, 2005, 3, 49-55.	1.6	0
56	Systematic Design of Test Case for XPath Queries using Partition-based Techniques. IEEE Latin America Transactions, 2007, 5, 259-264.	1.6	0
57	Modelling Test Views for Graph Database Applications. IEEE Latin America Transactions, 2017, 15, 1312-1317.	1.6	0