

# Xiaoying Bai

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/12019682/xiaoying-bai-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

768  
citations

16  
h-index

25  
g-index

58  
ext. papers

881  
ext. citations

2.4  
avg, IF

3.9  
L-index

#	Paper	IF	Citations
54	Blockchain and Sustainability: A Systematic Mapping Study <b>2019</b> ,		11
53	Invited Paper: Blockchain Design - A PFMI Viewpoint <b>2019</b> ,		4
52	The DevOps Lab Platform for Managing Diversified Projects in Educating Agile Software Engineering <b>2018</b> ,		1
51	Cloud API Testing <b>2017</b> ,		2
50	Design Issues in Permissioned Blockchains for Trusted Computing <b>2017</b> ,		19
49	A Model-Based Framework for Cloud API Testing <b>2017</b> ,		4
48	Cloud Performance Modeling with Benchmark Evaluation of Elastic Scaling Strategies. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2016</b> , 27, 130-143	3-7	67
47	Software-as-a-service (SaaS): perspectives and challenges. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-15	3-4	44
46	Risk Based Testing of Open Source Software (OSS) <b>2014</b> ,		2
45	Dependence-Guided Service Composition for User-Centric SOA. <i>IEEE Systems Journal</i> , <b>2014</b> , 8, 889-899	4-3	9
44	Adaptive Fault Detection for Testing Tenant Applications in Multi-tenancy SaaS Systems <b>2013</b> ,		11
43	Test algebra for combinatorial testing <b>2013</b> ,		13
42	Vee@Cloud: The virtual test lab on the cloud <b>2013</b> ,		7
41	Scalable Architectures for SaaS <b>2012</b> ,		19
40	RISK ASSESSMENT AND ADAPTIVE GROUP TESTING OF SEMANTIC WEB SERVICES. <i>International Journal of Software Engineering and Knowledge Engineering</i> , <b>2012</b> , 22, 595-620	1	20
39	Service Replication Strategies with MapReduce in Clouds <b>2011</b> ,		16
38	Evaluating services on the cloud using ontology QoS model <b>2011</b> ,		12

37	Cloud testing tools <b>2011</b> ,		45
36	Semantic-Based Test Oracles <b>2011</b> ,		2
35	An Approach for Service Composition and Testing for Cloud Computing <b>2011</b> ,		18
34	Interface-Based Automated Testing for Open Software Architecture <b>2011</b> ,		2
33	P4-SimSaaS: Policy specification for multi-tendency simulation Software-as-a-Service model <b>2011</b> ,		7
32	A service-based framework for pharmacogenomics data integration. <i>Enterprise Information Systems</i> , <b>2010</b> , 4, 225-245	3.5	39
31	Design of BDI Agent for Adaptive Performance Testing of Web Services <b>2010</b> ,		8
30	Ontology-based Information Sharing in Service-Oriented Database Systems <b>2009</b> ,		1
29	A Hierarchical Reliability Model of Service-Based Software System <b>2009</b> ,		17
28	Context-aware integration of data-centered services <b>2009</b> ,		1
27	Model-based monitoring and policy enforcement of services. <i>Simulation Modelling Practice and Theory</i> , <b>2009</b> , 17, 1399-1412	3.9	7
26	Design of a Contract-Based Web Services QoS Management System <b>2009</b> ,		5
25	Risk-Based Adaptive Group Testing of Semantic Web Services <b>2009</b> ,		11
24	Dependency-Guided Service Composition for User-Centric SOA <b>2009</b> ,		6
23	Role-based trust model for community of interest <b>2009</b> ,		3
22	A Service-Based Framework for Pharmacogenomics Data Integration <b>2009</b> ,		1
21	Model-Based Monitoring and Policy Enforcement of Services <b>2009</b> ,		5
20	On Testing and Evaluating Service-Oriented Software. <i>Computer</i> , <b>2008</b> , 41, 40-46	1.6	60

19	Collaborative Web Services Monitoring with Active Service Broker <b>2008</b> ,		11
18	On Robotics Applications in Service-Oriented Architecture <b>2008</b> ,		20
17	Automatic Mutation Testing and Simulation on OWL-S Specified Web Services. <i>Simulation Symposium, Proceedings of the Annual, 2008</i> ,		9
16	Ontology-Based Test Modeling and Partition Testing of Web Services <b>2008</b> ,		40
15	A Coverage Relationship Model for Test Case Selection and Ranking for Multi-version Software <b>2007</b> ,		7
14	Mutation-Based Simulation Test Data Generation for Testing Complex Real-Time Software <b>2007</b> ,		5
13	A Framework for Time Consistency Verification for Web Processes Based on Annotated OWL-S <b>2007</b> ,		3
12	Design of a trustworthy service broker and dependence-based progressive group testing. <i>International Journal of Simulation and Process Modelling, 2007, 3, 66</i>	0.4	14
11	Dynamic Reconfigurable Testing of Service-Oriented Architecture. <i>Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007</i> ,		16
10	Contract-Based Testing for Web Services. <i>Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007</i> ,		18
9	A Framework for Model Checking Web Service Compositions Based on BPEL4WS <b>2007</b> ,		9
8	Adaptive Web Services Testing. <i>Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007</i> ,		11
7	Ontology-Based Test Case Generation for Testing Web Services <b>2007</b> ,		50
6	A Framework for Contract-Based Collaborative Verification and Validation of Web Services. <i>Lecture Notes in Computer Science, 2007, 258-273</i>	0.9	12
5	A Tuple-Space-Based Coordination Architecture for Test Agents in the MAST Framework <b>2006</b> ,		4
4	Web services-based test report generation. <i>Tsinghua Science and Technology, 2005, 10, 282-287</i>	3.4	2
3	WSDL-based automatic test case generation for Web services testing		33
2	A multi-agent based framework for collaborative testing on Web services		4

- 1 Risk-Based Testing of Web Services99-123