Xiaoying Bai

List of Publications by Citations

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	Cloud Performance Modeling with Benchmark Evaluation of Elastic Scaling Strategies. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 130-143	3.7	67
53	On Testing and Evaluating Service-Oriented Software. *Computer*, **2008**, 41, 40-46	1.6	60
52	Ontology-Based Test Case Generation for Testing Web Services **2007**,		50
51	Cloud testing tools **2011**,		45
50	Software-as-a-service (SaaS): perspectives and challenges. *Science China Information Sciences*, **2014**, 57, 1-15	3.4	44
49	Ontology-Based Test Modeling and Partition Testing of Web Services **2008**,		40
48	A service-based framework for pharmacogenomics data integration. *Enterprise Information Systems*, **2010**, 4, 225-245	3.5	39
47	WSDL-based automatic test case generation for Web services testing		33
46	RISK ASSESSMENT AND ADAPTIVE GROUP TESTING OF SEMANTIC WEB SERVICES. *International Journal of Software Engineering and Knowledge Engineering*, **2012**, 22, 595-620	1	20
45	On Robotics Applications in Service-Oriented Architecture **2008**,		20
44	Design Issues in Permissioned Blockchains for Trusted Computing **2017**,		19
43	Scalable Architectures for SaaS **2012**,		19
42	An Approach for Service Composition and Testing for Cloud Computing **2011**,		18
41	Contract-Based Testing for Web Services. *Proceedings - IEEE Computer Society's International Computer Software and Applications Conference*, **2007**,		18
40	A Hierarchical Reliability Model of Service-Based Software System **2009**,		17
39	Service Replication Strategies with MapReduce in Clouds **2011**,		16
38	Dynamic Reconfigurable Testing of Service-Oriented Architecture. *Proceedings - IEEE Computer Society's International Computer Software and Applications Conference*, **2007**,		16

37	Design of a trustworthy service broker and dependence-based progressive group testing. *International Journal of Simulation and Process Modelling*, **2007**, 3, 66	0.4	14
36	Test algebra for combinatorial testing **2013**,		13
35	Evaluating services on the cloud using ontology QoS model **2011**,		12
34	A Framework for Contract-Based Collaborative Verification and Validation of Web Services. *Lecture Notes in Computer Science*, **2007**, 258-273	0.9	12
33	Blockchain and Sustainability: A Systematic Mapping Study **2019**,		11
32	Adaptive Fault Detection for Testing Tenant Applications in Multi-tenancy SaaS Systems **2013**,		11
31	Risk-Based Adaptive Group Testing of Semantic Web Services **2009**,		11
30	Collaborative Web Services Monitoring with Active Service Broker **2008**,		11
29	Adaptive Web Services Testing. *Proceedings - IEEE Computer Society s International Computer Software and Applications Conference*, **2007**,		11
28	Dependence-Guided Service Composition for User-Centric SOA. *IEEE Systems Journal*, **2014**, 8, 889-899	4.3	9
27	Automatic Mutation Testing and Simulation on OWL-S Specified Web Services. *Simulation Symposium, Proceedings of the Annual*, **2008**,		9
26	A Framework for Model Checking Web Service Compositions Based on BPEL4WS **2007**,		9
25	Design of BDI Agent for Adaptive Performance Testing of Web Services **2010**,		8
24	Vee@Cloud: The virtual test lab on the cloud **2013**,		7
23	Model-based monitoring and policy enforcement of services. *Simulation Modelling Practice and Theory*, **2009**, 17, 1399-1412	3.9	7
22	P4-SimSaaS: Policy specification for multi-tendency simulation Software-as-a-Service model **2011**,		7
21	A Coverage Relationship Model for Test Case Selection and Ranking for Multi-version Software **2007**,		7
20	Dependency-Guided Service Composition for User-Centric SOA **2009**,		6

19	Design of a Contract-Based Web Services QoS Management System **2009**,	5
18	Model-Based Monitoring and Policy Enforcement of Services **2009**,	5
17	Mutation-Based Simulation Test Data Generation for Testing Complex Real-Time Software **2007**,	5
16	Invited Paper: Blockchain Design - A PFMI Viewpoint **2019**,	4
15	A Model-Based Framework for Cloud API Testing **2017**,	4
14	A multi-agent based framework for collaborative testing on Web services	4
13	A Tuple-Space-Based Coordination Architecture for Test Agents in the MAST Framework **2006**,	4
12	Role-based trust model for community of interest **2009**,	3
11	A Framework for Time Consistency Verification for Web Processes Based on Annotated OWL-S **2007**,	3
10	Cloud API Testing **2017**,	2
9	Risk Based Testing of Open Source Software (OSS) **2014**,	2
8	Semantic-Based Test Oracles **2011**,	2
7	Interface-Based Automated Testing for Open Software Architecture **2011**,	2
6	Web services-based test report generation. *Tsinghua Science and Technology*, **2005**, 10, 282-287	3.4	2
5	Ontology-based Information Sharing in Service-Oriented Database Systems **2009**,	1
4	Context-aware integration of data-centered services **2009**,	1
3	A Service-Based Framework for Pharmacogenomics Data Integration **2009**,	1
2	The DevOps Lab Platform for Managing Diversified Projects in Educating Agile Software Engineering **2018**,	1

List of Publications