

Maurizio Leotta

List of Publications by Year in Descending Order

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

70
papers

594
citations

14
h-index

21
g-index

79
ext. papers

758
ext. citations

1.3
avg, IF

4.24
L-index

#	Paper	IF	Citations
70	A large experimentation to analyze the effects of implementation bugs in machine learning algorithms. <i>Future Generation Computer Systems</i> , 2022 , 133, 184-200	7.5	3
69	Sidereal: Statistical adaptive generation of robust locators for web testing. <i>Software Testing Verification and Reliability</i> , 2021 , 31, e1767	0.9	3
68	STILE: a Tool for Parallel Execution of E2E Web Test Scripts 2021 ,		1
67	A service-oriented method for domain and business process modelling. <i>Journal of Software: Evolution and Process</i> , 2021 , 33, e2307	1	
66	Daily Living Activity Recognition Using Wearable Devices: A Features-Rich Dataset and a Novel Approach. <i>Lecture Notes in Computer Science</i> , 2021 , 171-187	0.9	1
65	Improving Node-RED Flows Comprehension with a Set of Development Guidelines. <i>Communications in Computer and Information Science</i> , 2021 , 232-260	0.3	
64	Reducing Flakiness in End-to-End Test Suites: An Experience Report. <i>Communications in Computer and Information Science</i> , 2021 , 3-17	0.3	2
63	What are IoT systems for real? An experts survey on software engineering aspects. <i>Internet of Things (Netherlands)</i> , 2020 , 12, 100313	6.9	5
62	Two experiments for evaluating the impact of Hamcrest and AssertJ on assertion development. <i>Software Quality Journal</i> , 2020 , 28, 1113-1145	1.2	5
61	2020 ,		3
60	What 5 million job advertisements tell us about testing 2020 ,		10
59	Ensemble-Based Software Engineering for Modern Computing Platforms. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2020 , 45, 28-30	0.4	
58	A Set of Empirically Validated Development Guidelines for Improving Node-RED Flows Comprehension 2020 ,		2
57	An Approach and a Prototype Tool for Generating Executable IoT System Test Cases. <i>Communications in Computer and Information Science</i> , 2020 , 383-398	0.3	1
56	A Family of Experiments to Assess the Impact of Page Object Pattern in Web Test Suite Development 2020 ,		6
55	How do implementation bugs affect the results of machine learning algorithms? 2019 ,		1
54	Three Open Problems in the Context of E2E Web Testing and a Vision: NEONATE. <i>Advances in Computers</i> , 2019 , 113, 89-133	2.9	3

53	Orchestrated crowdsourced testing of a mobile web application 2019 ,		1
52	Comparing Testing and Runtime Verification of IoT Systems: A Preliminary Evaluation based on a Case Study 2019 ,		3
51	Hamcrest vs AssertJ: An Empirical Assessment of Tester Productivity. <i>Communications in Computer and Information Science</i> , 2019 , 161-176	0.3	1
50	A Method-Wise Approach for Selecting the Most Suitable Business Process Modelling Notation 2019 ,		1
49	On the impact of state-based model-driven development on maintainability: a family of experiments using UniMod. <i>Empirical Software Engineering</i> , 2018 , 23, 1743-1790	3.3	14
48	An acceptance testing approach for Internet of Things systems. <i>IET Software</i> , 2018 , 12, 430-436	1	12
47	Towards a Runtime Verification Approach for Internet of Things Systems. <i>Lecture Notes in Computer Science</i> , 2018 , 83-96	0.9	7
46	Towards an Acceptance Testing Approach for Internet of Things Systems. <i>Lecture Notes in Computer Science</i> , 2018 , 125-138	0.9	4
45	Fluent vs Basic Assertions in Java: An Empirical Study 2018 ,		2
44	Towards an approach for developing and testing Node-RED IoT systems 2018 ,		5
43	DUSM: A Method for Requirements Specification and Refinement Based on Disciplined Use Cases and Screen Mockups. <i>Journal of Computer Science and Technology</i> , 2018 , 33, 918-939	1.7	2
42	Pesto: Automated migration of DOM-based Web tests towards the visual approach. <i>Software Testing Verification and Reliability</i> , 2018 , 28, e1665	0.9	20
41	Do UML object diagrams affect design comprehensibility? Results from a family of four controlled experiments. <i>Journal of Visual Languages and Computing</i> , 2017 , 41, 10-21		17
40	APOGEN: automatic page object generator for web testing. <i>Software Quality Journal</i> , 2017 , 25, 1007-1039		26
39	Towards the Generation of End-to-End Web Test Scripts from Requirements Specifications 2017 ,		1
38	Service-oriented domain and business process modelling 2017 ,		5
37	An Abstract Machine for Asynchronous Programs with Closures and Priority Queues. <i>Lecture Notes in Computer Science</i> , 2017 , 59-74	0.9	1
36	Towards a Holistic Method for Business Process Analytics. <i>Lecture Notes in Computer Science</i> , 2017 , 168-183		1

35	A Lightweight Semi-automated Acceptance Test-Driven Development Approach for Web Applications. <i>Lecture Notes in Computer Science</i> , 2016 , 593-597	0.9	2
34	Automatic Page Object Generation with APOGEN. <i>Lecture Notes in Computer Science</i> , 2016 , 533-537	0.9	1
33	Clustering-Aided Page Object Generation for Web Testing. <i>Lecture Notes in Computer Science</i> , 2016 , 132-151	1.1	11
32	Robula+: an algorithm for generating robust XPath locators for web testing. <i>Journal of Software: Evolution and Process</i> , 2016 , 28, 177-204	1	35
31	Test Driven Development of Web Applications: A Lightweight Approach 2016 ,		2
30	Approaches and Tools for Automated End-to-End Web Testing. <i>Advances in Computers</i> , 2016 , 193-237	2.9	36
29	Why Creating Web Page Objects Manually If It Can Be Done Automatically? 2015 ,		14
28	Automated generation of visual web tests from DOM-based web tests 2015 ,		11
27	Using Multi-Locators to Increase the Robustness of Web Test Cases 2015 ,		32
26	What Are the Used UML Diagram Constructs? A Document and Tool Analysis Study Covering Activity and Use Case Diagrams. <i>Communications in Computer and Information Science</i> , 2015 , 66-83	0.3	8
25	A Method for Requirements Capture and Specification Based on Disciplined Use Cases and Screen Mockups. <i>Lecture Notes in Computer Science</i> , 2015 , 105-113	0.9	6
24	Meta-heuristic Generation of Robust XPath Locators for Web Testing 2015 ,		4
23	Reducing Web Test Cases Aging by Means of Robust XPath Locators 2014 ,		21
22	Improving the Quality and the Comprehension of Requirements: Disciplined Use Cases and Mockups 2014 ,		6
21	PESTO: A Tool for Migrating DOM-Based to Visual Web Tests 2014 ,		10
20	Visual vs. DOM-Based Web Locators: An Empirical Study. <i>Lecture Notes in Computer Science</i> , 2014 , 322-340	0.9	30
19	Who Knows/Uses What of the UML: A Personal Opinion Survey. <i>Lecture Notes in Computer Science</i> , 2014 , 149-165	0.9	17
18	Repairing Selenium Test Cases: An Industrial Case Study about Web Page Element Localization 2013 ,		4

17	Improving Test Suites Maintainability with the Page Object Pattern: An Industrial Case Study 2013 ,		33
16	Comparing the maintainability of selenium WebDriver test suites employing different locators: a case study 2013 ,		21
15	A Pilot Experiment to Quantify the Effect of Documentation Accuracy on Maintenance Tasks 2013 ,		5
14	2013 ,		49
13	Web testware evolution 2013 ,		5
12	Using UniMod for maintenance tasks: An experimental assessment in the context of model driven development 2012 ,		5
11	SOA adoption in the Italian industry 2012 ,		2
10	Early experiences on model transformation testing 2012 ,		5
9	Towards a lightweight model driven method for developing SOA systems using existing assets 2012 ,		8
8	An exploratory survey on SOA knowledge, adoption and trend in the Italian industry 2012 ,		5
7	Business process modelling 2012 ,		12
6	Comparing the Maintainability of Two Alternative Architectures of a Postal System: SOA vs. Non-SOA 2011 ,		3
5	Brecise is better than lightb document analysis study about quality of business process models 2011 ,		12
4	A Problem Frame-Based Approach to Evolvability: The Case of the Multi-translation. <i>Lecture Notes in Computer Science</i> , 2011 , 157-175	0.9	
3	Fight silent horror unit test methods by consulting a TestWizard. <i>Journal of Software: Evolution and Process</i> , e2396	1	1
2	Towards Runtime Monitoring of Node.js and Its Application to the Internet of Things. <i>Electronic Proceedings in Theoretical Computer Science, EPTCS</i> , 264, 27-42		7
1	MATTER: A tool for generating end-to-end IoT test scripts. <i>Software Quality Journal</i> , 1	1.2	1