

Mika V Mantyla

List of Publications by Year in Descending Order

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Version: 2024-04-17

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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.

74
papers

2,099
citations

23
h-index

44
g-index

78
ext. papers

2,837
ext. citations

2.7
avg, IF

5.71
L-index

#	Paper	IF	Citations
74	Test automation maturity improves product quality. Quantitative study of open source projects using continuous integration. <i>Journal of Systems and Software</i> , 2022 , 188, 111259	3.3	0
73	Individual differences limit predicting well-being and productivity using software repositories: a longitudinal industrial study. <i>Empirical Software Engineering</i> , 2021 , 26, 1	3.3	2
72	What Do We Know About Time Pressure in Software Development?. <i>IEEE Software</i> , 2021 , 38, 32-38	1.5	0
71	Prevalence, Contents and Automatic Detection of KL-SATD 2020 ,		3
70	Time pressure in software engineering: A systematic review. <i>Information and Software Technology</i> , 2020 , 121, 106257	3.4	13
69	Benefitting from the Grey Literature in Software Engineering Research 2020 , 385-413		7
68	Test Automation Process Improvement in a DevOps Team: Experience Report 2020 ,		3
67	Predicting technical debt from commit contents: reproduction and extension with automated feature selection. <i>Software Quality Journal</i> , 2020 , 28, 1551-1579	1.2	2
66	Practitioner Evaluations on Software Testing Tools 2019 ,		2
65	A Self-assessment Instrument for Assessing Test Automation Maturity 2019 ,		4
64	Advances in Using Agile and Lean Processes for Software Development. <i>Advances in Computers</i> , 2019 , 113, 135-224	2.9	12
63	Characterizing industry-academia collaborations in software engineering: evidence from 101 projects. <i>Empirical Software Engineering</i> , 2019 , 24, 2540-2602	3.3	12
62	Applying Surveys and Interviews in Software Test Tool Evaluation. <i>Lecture Notes in Computer Science</i> , 2019 , 20-36	0.9	
61	Guidelines for including grey literature and conducting multivocal literature reviews in software engineering. <i>Information and Software Technology</i> , 2019 , 106, 101-121	3.4	163
60	A benchmark study on the effectiveness of search-based data selection and feature selection for cross project defect prediction. <i>Information and Software Technology</i> , 2018 , 95, 296-312	3.4	41
59	Daily questionnaire to assess self-reported well-being during a software development project 2018 ,		6
58	The evolution of sentiment analysis. A review of research topics, venues, and top cited papers. <i>Computer Science Review</i> , 2018 , 27, 16-32	8.3	222

57	Measuring LDA topic stability from clusters of replicated runs 2018 ,		15
56	Test Case Prioritization Using Test Similarities. <i>Lecture Notes in Computer Science</i> , 2018 , 243-259	0.9	1
55	Using experience sampling to link software repositories with emotions and work well-being 2018 ,		8
54	Test prioritization in continuous integration environments. <i>Journal of Systems and Software</i> , 2018 , 146, 80-98	3.3	14
53	Choosing the Right Test Automation Tool 2017 ,		15
52	TestAWARE 2017 , 1, 1-29		6
51	Prioritizing manual test cases in rapid release environments. <i>Software Testing Verification and Reliability</i> , 2017 , 27, e1609	0.9	11
50	Industry-academia collaborations in software engineering 2017 ,		8
49	Comparing and experimenting machine learning techniques for code smell detection. <i>Empirical Software Engineering</i> , 2016 , 21, 1143-1191	3.3	144
48	A systematic literature review of literature reviews in software testing. <i>Information and Software Technology</i> , 2016 , 80, 195-216	3.4	61
47	The need for multivocal literature reviews in software engineering 2016 ,		74
46	Mining valence, arousal, and dominance 2016 ,		54
45	Citations, research topics and active countries in software engineering: A bibliometrics study. <i>Computer Science Review</i> , 2016 , 19, 56-77	8.3	50
44	Test Better by Exploring: Harnessing Human Skills and Knowledge. <i>IEEE Software</i> , 2016 , 33, 90-96	1.5	7
43	Gamification of Software Testing - An MLR. <i>Lecture Notes in Computer Science</i> , 2016 , 611-614	0.9	5
42	How to validate mobile crowdsourcing design? leveraging data integration in prototype testing 2016 ,		4
41	The Effect of Team Exploratory Testing -- Experience Report from F-Secure 2016 ,		21
40	When and what to automate in software testing? A multi-vocal literature review. <i>Information and Software Technology</i> , 2016 , 76, 92-117	3.4	80

39	On rapid releases and software testing: a case study and a semi-systematic literature review. <i>Empirical Software Engineering</i> , 2015 , 20, 1384-1425	3-3	44
38	Using metrics in Agile and Lean Software Development [A systematic literature review of industrial studies. <i>Information and Software Technology</i> , 2015 , 62, 143-163	3-4	89
37	. <i>IEEE Software</i> , 2015 , 32, 64-72	1-5	70
36	2015 ,		15
35	Citation and Topic Analysis of the ESEM Papers 2015 ,		7
34	Build Waiting Time in Continuous Integration -- An Initial Interdisciplinary Literature Review 2015 ,		4
33	Diagrams or structural lists in software project retrospectives [An experimental comparison. <i>Journal of Systems and Software</i> , 2015 , 103, 17-35	3-3	4
32	Perceived causes of software project failures [An analysis of their relationships. <i>Information and Software Technology</i> , 2014 , 56, 623-643	3-4	70
31	How are software defects found? The role of implicit defect detection, individual responsibility, documents, and knowledge. <i>Information and Software Technology</i> , 2014 , 56, 1597-1612	3-4	5
30	Supporting Regression Test Scoping with Visual Analytics 2014 ,		4
29	A tool supporting root cause analysis for synchronous retrospectives in distributed software teams. <i>Information and Software Technology</i> , 2014 , 56, 408-437	3-4	7
28	Why are industrial agile teams using metrics and how do they use them? 2014 ,		6
27	Time pressure: a controlled experiment of test case development and requirements review 2014 ,		13
26	A replicated study on duplicate detection 2014 ,		10
25	How is exploratory testing used? 2014 ,		25
24	Are test cases needed? Replicated comparison between exploratory and test-case-based software testing. <i>Empirical Software Engineering</i> , 2014 , 19, 303-342	3-3	28
23	Code Smell Detection: Towards a Machine Learning-Based Approach 2013 ,		75
22	More testers [The effect of crowd size and time restriction in software testing. <i>Information and Software Technology</i> , 2013 , 55, 986-1003	3-4	24

21	The Role of the Tester's Knowledge in Exploratory Software Testing. <i>IEEE Transactions on Software Engineering</i> , 2013 , 39, 707-724	3.5	61
20	Analyzing an automotive testing process with evidence-based software engineering. <i>Information and Software Technology</i> , 2013 , 55, 1237-1259	3.4	31
19	On Rapid Releases and Software Testing 2013 ,		19
18	A SYSTEMATIC MAPPING STUDY OF EMPIRICAL STUDIES ON THE USE OF PAIR PROGRAMMING IN INDUSTRY. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2013 , 23, 1221-1267		6
17	Who tested my software? Testing as an organizationally cross-cutting activity. <i>Software Quality Journal</i> , 2012 , 20, 145-172	1.2	23
16	Benefits and limitations of automated software testing: Systematic literature review and practitioner survey 2012 ,		21
15	How many individuals to use in a QA task with fixed total effort? 2012 ,		2
14	Testing highly complex system of systems 2012 ,		9
13	Development and evaluation of a lightweight root cause analysis method (ARCA method) Field studies at four software companies. <i>Information and Software Technology</i> , 2011 , 53, 1045-1061	3.4	23
12	What are Problem Causes of Software Projects? Data of Root Cause Analysis at Four Software Companies 2011 ,		7
11	Survey Reproduction of Defect Reporting in Industrial Software Development 2011 ,		17
10	Software Deployment Activities and Challenges - A Case Study of Four Software Product Companies 2011 ,		5
9	Characteristics of high performing testers 2010 ,		7
8	Empirical software evolvability - code smells and human evaluations 2010 ,		3
7	How do testers do it? An exploratory study on manual testing practices 2009 ,		50
6	Lightweight Elicitation and Analysis of Software Product Quality Goals: A Multiple Industrial Case Study 2009 ,		9
5	What Types of Defects Are Really Discovered in Code Reviews?. <i>IEEE Transactions on Software Engineering</i> , 2009 , 35, 430-448	3.5	82
4	Defect Detection Efficiency: Test Case Based vs. Exploratory Testing 2007 ,		29

3	Subjective evaluation of software evolvability using code smells: An empirical study. <i>Empirical Software Engineering</i> , 2007 , 11, 395-431	3.3	91
2	Issues and Tactics when Adopting Pair Programming: A Longitudinal Case Study 2007 ,		12
1	Drivers for software refactoring decisions 2006 ,		17