

Michael Felderer

List of Publications by Year in descending order

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58
papers

1,483
citations

758635

12
h-index

642321

23
g-index

59
all docs

59
docs citations

59
times ranked

979
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for including grey literature and conducting multivocal literature reviews in software engineering. Information and Software Technology, 2019, 106, 101-121.	3.0	367
2	Hybrid software and system development in practice: waterfall, scrum, and beyond. , 2017, , .		146
3	The need for multivocal literature reviews in software engineering. , 2016, , .		114
4	Software test maturity assessment and test process improvement: A multivocal literature review. Information and Software Technology, 2017, 85, 16-42.	3.0	73
5	Model-based security testing: a taxonomy and systematic classification. Software Testing Verification and Reliability, 2016, 26, 119-148.	1.7	67
6	Status Quo in Requirements Engineering. ACM Transactions on Software Engineering and Methodology, 2019, 28, 1-48.	4.8	59
7	Comparison of the FMEA and STPA safety analysis methodsâ€“a case study. Software Quality Journal, 2019, 27, 349-387.	1.4	57
8	Integrating risk-based testing in industrial test processes. Software Quality Journal, 2014, 22, 543-575.	1.4	52
9	Worlds Apart: Industrial and Academic Focus Areas in Software Testing. IEEE Software, 2017, 34, 38-45.	2.1	46
10	Hybrid Software Development Approaches in Practice: A European Perspective. IEEE Software, 2019, 36, 20-31.	2.1	46
11	What industry wants from academia in software testing?. , 2017, , .		41
12	Current State of Research on Continuous Experimentation: A Systematic Mapping Study. , 2018, , .		40
13	Characterizing industry-academia collaborations in software engineering: evidence from 101 projects. Empirical Software Engineering, 2019, 24, 2540-2602.	3.0	33
14	Risk orientation in software testing processes of small and medium enterprises: an exploratory and comparative study. Software Quality Journal, 2016, 24, 519-548.	1.4	24
15	Experiences and Challenges of Introducing Risk-Based Testing in an Industrial Project. Lecture Notes in Business Information Processing, 2013, , 10-29.	0.8	20
16	Industry-academia collaborations in software engineering. , 2017, , .		18
17	Benefitting from the Grey Literature in Software Engineering Research. , 2020, , 385-413.		18
18	Challenges in Survey Research. , 2020, , 93-125.		17

#	ARTICLE	IF	CITATIONS
19	Towards a Model Based Security Testing Approach of Cloud Computing Environments. , 2012, , .		16
20	Experience-based guidelines for effective and efficient data extraction in systematic reviews in software engineering. , 2017, , .		16
21	A Tool-Based Methodology for System Testing of Service-Oriented Systems. , 2010, , .		14
22	What We Know about Testing Embedded Software. IEEE Software, 2018, 35, 62-69.	2.1	14
23	Technical Debt in Data-Intensive Software Systems. , 2019, , .		14
24	Exploring the industry's challenges in software testing: An empirical study. Journal of Software: Evolution and Process, 2020, 32, e2251.	1.2	14
25	Estimating the Cost and Benefit of Model-Based Testing: A Decision Support Procedure for the Application of Model-Based Testing in Industry. , 2015, , .		13
26	Risk management practices in information security: Exploring the status quo in the DACH region. Computers and Security, 2020, 92, 101776.	4.0	13
27	Evolution of Security Engineering Artifacts. International Journal of Secure Software Engineering, 2014, 5, 48-98.	0.4	11
28	Towards Adaptive Test Code Generation for Service Oriented Systems. , 2009, , .		10
29	Improvement Methods for Software Requirement Specifications: A Mapping Study. , 2014, , .		10
30	Applying Security Testing Techniques to Automotive Engineering. , 2019, , .		10
31	RisCal – A Risk Estimation Tool for Software Engineering Purposes. , 2013, , .		8
32	Towards Risk – Driven Security Testing of Service Centric Systems. , 2012, , .		7
33	A Systematic Literature Review of Crowdsourcing-Based Research in Information Security. , 2016, , .		7
34	Estimating the Return on Investment of Defect Taxonomy Supported System Testing in Industrial Projects. , 2012, , .		6
35	Supporting defect causal analysis in practice with cross-company data on causes of requirements engineering problems. , 2017, , .		6
36	Continuous Experiment Definition Characteristics. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
37	Software Quality Assurance During Implementation: Results of a Survey in Software Houses from Germany, Austria and Switzerland. Lecture Notes in Business Information Processing, 2017, , 87-102.	0.8	6
38	Testing Security Requirements with Non-experts: Approaches and Empirical Investigations. , 2016, , .		5
39	Knowledge-based security testing of web applications by logic programming. International Journal on Software Tools for Technology Transfer, 2019, 21, 221-246.	1.7	5
40	Industry-academia collaboration in software testing: An overview of TAIC PART 2015. , 2015, , .		4
41	Addressing Data Quality Problems with Metamorphic Data Relations. , 2019, , .		4
42	Towards a Learning Environment for Internet of Things Testing with LEGOÂ® MINDSTORMSÂ®. , 2020, , .		4
43	PWA vs the Others: A Comparative Study on the UI Energy-Efficiency of Progressive Web Apps. Lecture Notes in Computer Science, 2021, , 464-479.	1.0	4
44	A comparative study on the energy consumption of Progressive Web Apps. Information Systems, 2022, 108, 102017.	2.4	4
45	Industry-Academia Collaboration in Software Testing: An Overview of TAIC PART 2016. , 2016, , .		3
46	Specification-driven predictive business process monitoring. Software and Systems Modeling, 2020, 19, 1307-1343.	2.2	2
47	A Concept for Language-Oriented Security Testing. , 2013, , .		1
48	Security Test Generation by Answer Set Programming. , 2014, , .		1
49	Integrating a Lightweight Risk Assessment Approach into an Industrial Development Process. Lecture Notes in Business Information Processing, 2016, , 186-198.	0.8	1
50	Special issue on collaboration in software testing between industry and academia. Software Quality Journal, 2017, 25, 1087-1089.	1.4	1
51	A Process for Evidence-Based Engineering of Domain-Specific Languages. , 2018, , .		1
52	An Infrastructure for Platform-Independent Experimentation of Software Changes. Lecture Notes in Computer Science, 2021, , 445-457.	1.0	1
53	Impact of Students' Presence and Course Participation on Learning Outcome in Co-Operative Online-based Courses. Studies in Health Technology and Informatics, 2019, 262, 87-90.	0.2	1
54	Re-visiting a Test Taxonomy with Refactoring and Defect-fix Data. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Important Experimentation Characteristics. , 2021, , .		0
56	Developing and Evaluating Collaborative Online-Based Instructional Designs in Health Information Management. Studies in Health Technology and Informatics, 2017, 243, 8-12.	0.2	0
57	Building a Community of Inquiry Within an Online-Based Health Informatics Program: Instructional Design and Lessons Learned. Studies in Health Technology and Informatics, 2018, 253, 196-200.	0.2	0
58	Automatic Error Classification and Root Cause Determination while Replaying Recorded Workload Data at SAP HANA. , 2022, , .		0