Michael Felderer

List of Publications by Year
in descending order

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	A comparative study on the energy consumption of Progressive Web Apps. Information Systems, 2022, 108, 102017.	2.4	4
2	Automatic Error Classification and Root Cause Determination while Replaying Recorded Workload Data at SAP HANA. , 2022, , .		0
3	An Infrastructure for Platform-Independent Experimentation of Software Changes. Lecture Notes in Computer Science, 2021, , 445-457.	1.0	1
4	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
5	Important Experimentation Characteristics. , 2021, , .		0
6	Specification-driven predictive business process monitoring. Software and Systems Modeling, 2020, 19, 1307-1343.	2.2	2
7	Towards a Learning Environment for Internet of Things Testing with LEGOÂ® MINDSTORMSÂ®. , 2020, , .		4
8	Continuous Experiment Definition Characteristics. , 2020, , .		6
9	Risk management practices in information security: Exploring the status quo in the DACH region. Computers and Security, 2020, 92, 101776.	4.0	13
10	Exploring the industry's challenges in software testing: An empirical study. Journal of Software: Evolution and Process, 2020, 32, e2251.	1.2	14
11	Benefitting from the Grey Literature in Software Engineering Research. , 2020, , 385-413.		18
12	Challenges in Survey Research. , 2020, , 93-125.		17
13	Characterizing industry-academia collaborations in software engineering: evidence from 101 projects. Empirical Software Engineering, 2019, 24, 2540-2602.	3.0	33
14	Addressing Data Quality Problems with Metamorphic Data Relations. , 2019, , .		4
15	Applying Security Testing Techniques to Automotive Engineering. , 2019, , .		10
16	Status Quo in Requirements Engineering. ACM Transactions on Software Engineering and Methodology, 2019, 28, 1-48.	4.8	59
17	Technical Debt in Data-Intensive Software Systems. , 2019, , .		14
18	Guidelines for including grey literature and conducting multivocal literature reviews in software engineering. Information and Software Technology, 2019, 106, 101-121.	3.0	367

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19	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
20	Hybrid Software Development Approaches in Practice: A European Perspective. IEEE Software, 2019, 36, 20-31.	2.1	46
21	Comparison of the FMEA and STPA safety analysis methodsâ€“a case study. Software Quality Journal, 2019, 27, 349-387.	1.4	57
22	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
23	Re-visiting a Test Taxonomy with Refactoring and Defect-fix Data. , 2018, , .		0
24	Current State of Research on Continuous Experimentation: A Systematic Mapping Study. , 2018, , .		40
25	What We Know about Testing Embedded Software. IEEE Software, 2018, 35, 62-69.	2.1	14
26	A Process for Evidence-Based Engineering of Domain-Specific Languages. , 2018, , .		1
27	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
28	Software test maturity assessment and test process improvement: A multivocal literature review. Information and Software Technology, 2017, 85, 16-42.	3.0	73
29	Experience-based guidelines for effective and efficient data extraction in systematic reviews in software engineering. , 2017, , .		16
30	Worlds Apart: Industrial and Academic Focus Areas in Software Testing. IEEE Software, 2017, 34, 38-45.	2.1	46
31	What industry wants from academia in software testing?. , 2017, , .		41
32	Hybrid software and system development in practice: waterfall, scrum, and beyond. , 2017, , .		146
33	Industry-academia collaborations in software engineering. , 2017, , .		18
34	Special issue on collaboration in software testing between industry and academia. Software Quality Journal, 2017, 25, 1087-1089.	1.4	1
35	Supporting defect causal analysis in practice with cross-company data on causes of requirements engineering problems. , 2017, , .		6
36	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

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37	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
38	Model-based security testing: a taxonomy and systematic classification. Software Testing Verification and Reliability, 2016, 26, 119-148.	1.7	67
39	A Systematic Literature Review of Crowdsourcing-Based Research in Information Security. , 2016, , .		7
40	Industry-Academia Collaboration in Software Testing: An Overview of TAIC PART 2016. , 2016, , .		3
41	The need for multivocal literature reviews in software engineering. , 2016, , .		114
42	Testing Security Requirements with Non-experts: Approaches and Empirical Investigations. , 2016, , .		5
43	Integrating a Lightweight Risk Assessment Approach into an Industrial Development Process. Lecture Notes in Business Information Processing, 2016, , 186-198.	0.8	1
44	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
45	Estimating the Cost and Benefit of Model-Based Testing: A Decision Support Procedure for the Application of Model-Based Testing in Industry. , 2015, , .		13
46	Industry-academia collaboration in software testing: An overview of TAIC PART 2015. , 2015, , .		4
47	Evolution of Security Engineering Artifacts. International Journal of Secure Software Engineering, 2014, 5, 48-98.	0.4	11
48	Improvement Methods for Software Requirement Specifications: A Mapping Study. , 2014, , .		10
49	Integrating risk-based testing in industrial test processes. Software Quality Journal, 2014, 22, 543-575.	1.4	52
50	Security Test Generation by Answer Set Programming. , 2014, , .		1
51	A Concept for Language-Oriented Security Testing. , 2013, , .		1
52	RisCal -- A Risk Estimation Tool for Software Engineering Purposes. , 2013, , .		8
53	Experiences and Challenges of Introducing Risk-Based Testing in an Industrial Project. Lecture Notes in Business Information Processing, 2013, , 10-29.	0.8	20
54	Towards Risk -- Driven Security Testing of Service Centric Systems. , 2012, , .		7

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55	Estimating the Return on Investment of Defect Taxonomy Supported System Testing in Industrial Projects. , 2012, , .		6
56	Towards a Model Based Security Testing Approach of Cloud Computing Environments. , 2012, , .		16
57	A Tool-Based Methodology for System Testing of Service-Oriented Systems. , 2010, , .		14
58	Towards Adaptive Test Code Generation for Service Oriented Systems. , 2009, , .		10