## CITATION REPORT List of articles citing

Investigating Architectural Technical Debt accumulation and refactoring over time: A multiple-case study

DOI: 10.1016/j.infsof.2015.07.005 Information and Software Technology, 2015, 67, 237-253.

Source: https://exaly.com/paper-pdf/61908078/citation-report.pdf

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
84	Technical debt in Automated Production Systems. <b>2015</b> ,		8
83	A Systematic Literature Review and a Unified Model of ATD. <b>2016</b> ,		31
82	The Perception of Technical Debt in the Embedded Systems Domain: An Industrial Case Study. <b>2016</b> ,		14
81	Costs and obstacles encountered in technical debt management IA case study. <i>Journal of Systems and Software</i> , <b>2016</b> , 120, 156-169	3.3	7
80	Estimating and Quantifying the Benefits of Refactoring to Improve a Component Modularity: A Case Study. <b>2016</b> ,		6
79	. 2016,		1
78	An empirically developed method to aid decisions on architectural technical debt refactoring. <b>2016</b> ,		36
77	. IEEE Software, <b>2016</b> , 33, 66-73	1.5	22
76	A Technique Based on Naming Patterns for Finding Candidates to Components from Source Code. <i>IEEE Latin America Transactions</i> , <b>2017</b> , 15, 482-487	0.7	
75	An empirical assessment of technical debt practices in industry. <i>Journal of Software: Evolution and Process</i> , <b>2017</b> , 29, e1894	1	4
74	On the interest of architectural technical debt: Uncovering the contagious debt phenomenon. Journal of Software: Evolution and Process, <b>2017</b> , 29, e1877	1	12
73	. 2017,		1
72	An investigation of technical debt in automatic production systems. <b>2017</b> ,		8
71	. 2017,		30
70	Looking for Peace of Mind? Manage Your (Technical) Debt: An Exploratory Field Study. <b>2017</b> ,		3
69	Towards a Mapping of Software Technical Debt onto Testware. <b>2017</b> ,		2
68	Impact of Architectural Technical Debt on Daily Software Development Work 🛭 Survey of Software Practitioners. <b>2017</b> ,		4

## (2020-2018)

67	Technical Debt tracking: Current state of practice: A survey and multiple case study in 15 large organizations. <i>Science of Computer Programming</i> , <b>2018</b> , 163, 42-61	1.1	28
66	. IEEE Transactions on Evolutionary Computation, <b>2018</b> , 22, 394-414	15.6	17
65	A semi-automated framework for the identification and estimation of Architectural Technical Debt: A comparative case-study on the modularization of a software component. <i>Information and Software Technology</i> , <b>2018</b> , 93, 264-279	3.4	16
64	Managing architectural technical debt: A unified model and systematic literature review. <i>Journal of Systems and Software</i> , <b>2018</b> , 135, 1-16	3.3	36
63	Technical debt and agile software development practices and processes: An industry practitioner survey. <i>Information and Software Technology</i> , <b>2018</b> , 96, 141-160	3.4	20
62	Embracing Technical Debt, from a Startup Company Perspective. 2018,		16
61	Using repository data for driving software architecture. 2018,		
60	Towards a Holistic Definition of Requirements Debt. <b>2019</b> ,		3
59	An Empirical Study on Technical Debt in a Finnish SME. <b>2019</b> ,		2
58	Business architecture: A differentiating element in the growth of organizations. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1257, 012007	0.3	1
57	Technical Debt Triage in Backlog Management. <b>2019</b> ,		2
56	Identifying Scalability Debt in Open Systems. <b>2019</b> ,		1
55	Towards surgically-precise technical debt estimation: early results and research roadmap. 2019,		10
54	Technical Debt as indicator for weaknesses in engineering of automated production systems. <i>Production Engineering</i> , <b>2019</b> , 13, 273-282	1.9	5
53	On the Temporality of Introducing Code Technical Debt. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 68-82	0.3	4
52	Some SonarQube issues have a significant but small effect on faults and changes. A large-scale empirical study. <i>Journal of Systems and Software</i> , <b>2020</b> , 170, 110750	3.3	5
51	On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube. <i>Information and Software Technology</i> , <b>2020</b> , 128, 106377	3.4	9
50	Continuous Debt Valuation Approach (CoDVA) for Technical Debt Prioritization. 2020,		O

49	Software Architecture. Lecture Notes in Computer Science, 2020,	0.9	4
48	Towards an Approach to Identify Obsolete Features based on Importance and Technical Debt. <b>2020</b>		O
47	The influence of Technical Debt on software developer morale. <i>Journal of Systems and Software</i> , <b>2020</b> , 167, 110586	3.3	8
46	A systematic literature review on Technical Debt prioritization: Strategies, processes, factors, and tools. <i>Journal of Systems and Software</i> , <b>2021</b> , 171, 110827	3.3	8
45	Importance of software architectures in mobile projects. 2021,		
44	. 2021,		3
43	Building and evaluating a theory of architectural technical debt in software-intensive systems. Journal of Systems and Software, <b>2021</b> , 176, 110925	3.3	5
42	Technical debt payment and prevention through the lenses of software architects. <i>Information and Software Technology</i> , <b>2021</b> , 140, 106692	3.4	2
41	A Study of Maintainability in Evolving Open-Source Software. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 261-282	0.3	
40	Architectural Technical Debt: A Grounded Theory. Lecture Notes in Computer Science, 2020, 202-219	0.9	3
39	What are the practices used by software practitioners on technical debt payment. 2020,		5
38	Using Naming Patterns for Identifying Architectural Technical Debt. <i>Advances in Science, Technology and Engineering Systems</i> , <b>2017</b> , 2, 248-254	0.3	
37	Technical Debt Prioritization: Taxonomy, Methods Results, and Practical Characteristics. 2021,		0
36	Technical Debt Impacting Lead-Times: An Exploratory Study. <b>2021</b> ,		O
35	Modelling Industrial Technical Compromises in Production Systems with Causal Loop Diagrams. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 212-219	0.7	0
34	Continuous practices and technical debt: a systematic literature review. 2020,		O
33	Long-Term Evaluation of Technical Debt in Open-Source Software. 2020,		2
32	Mind the (IT-)SystemIEin Vorschlag zur Gestaltung einer IT Due Diligence von Versicherungsunternehmen. <i>Zeitschrift Fur Die Gesamte Versicherungswissenschaft</i> , <b>2021</b> , 110, 269	0.3	

31	The temporality of technical debt introduction on new code and confounding factors. <i>Software Quality Journal</i> , 1	1
30	Exploring the relationship between refactoring and code debt indicators. <i>Journal of Software:</i> Evolution and Process,	
29	Iteration Causes, Impact, and Timing in Software Development Lifecycle: An SLR. <i>IEEE Access</i> , <b>2022</b> , 10, 65355-65375	
28	Exploring Technical Debt Tools: A Systematic Mapping Study. <i>Lecture Notes in Business Information Processing</i> , <b>2022</b> , 280-303	
27	Estimating Efforts for Various Activities in Agile Software Development: An Empirical Study. <b>2022</b> , 10, 83311-83321	
26	TD classifier. <b>2022</b> ,	1
25	Impacts, causes, and solutions of architectural smells in microservices: An industrial investigation.	O
24	Technical debts and faults in open-source quantum software systems: An empirical study. <b>2022</b> , 193, 111458	1
23	Automatic Detection and Analysis of Technical Debts in Peer-Review Documentation of R Packages. <b>2022</b> ,	0
22	Chapter 11 Experimentation for Business-to-Business Mission-Critical Systems: A Case Study. <b>2020</b> , 351-371	O
21	Chapter 10 Requirements Engineering Challenges and Practices in Large-Scale Agile System Development. <b>2020</b> , 293-350	O
20	Chapter 13 Engineering Al Systems. <b>2021</b> , 407-425	O
19	Chapter 3 Efficient and Effective Exploratory Testing of Large-Scale Software Systems. 2021, 51-81	1
18	Introduction to the Continuous Architecture Theme. 2022, 85-86	O
17	Introduction to the Continuous Delivery Theme. <b>2022</b> , 3-5	O
16	Introduction to the Customer Data and Ecosystem-Driven Development Theme. <b>2022</b> , 287-291	O
15	Introduction to the AI Engineering Theme. <b>2022</b> , 399-405	0
14	Introduction to the Metrics Theme. <b>2022</b> , 155-161	O

13	Chapter 1 Climbing the Stairway to Heaven. <b>2012</b> , 7-22	4
12	Chapter 2 Modeling Continuous Integration Practice Differences in Industry Software Development. <b>2013</b> , 23-49	O
11	Chapter 5 Expectations and Challenges from Scaling Agile in Mechatronics-Driven Companies DA Comparative Case Study. <b>2015</b> , 119-130	O
10	Chapter 7 MESRAM IA Method for Assessing Robustness of Measurement Programs in Large Software Development Organizations and Its Industrial Evaluation. <b>2015</b> , 163-209	1
9	Chapter 12 The Evolution of Continuous Experimentation in Software Product Development: From Data to a Data-Driven Organization at Scale. <b>2017</b> , 373-395	O
8	Chapter 4 Technical Debt Tracking: Current State of Practice: A Survey and Multiple Case Study in 15 Large Organizations. <b>2018</b> , 87-118	O
7	Chapter 9 SimSAX: A Measure of Project Similarity Based on Symbolic Approximation Method and Software Defect Inflow. <b>2019</b> , 253-283	O
6	Chapter 6 Lightweight Consistency Checking for Agile Model-Based Development in Practice. <b>2019</b> , 131-151	O
5	Chapter 8 Recognizing Lines of Code Violating Company-Specific Coding Guidelines Using Machine Learning. <b>2019</b> , 211-251	О
4	Architectural Degradation and Technical Debt Dashboards. 2022, 638-643	O
3	Modelling the Quantification of Technical Debt. 2022,	О
2	A practical approach for technical debt prioritization based on class-level forecasting.	O
1	Technical debt in the engineering of complex systems.	О