

# Antonio Martini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2715465/publications.pdf>

Version: 2024-02-01

60  
papers

1,132  
citations

858243

12  
h-index

721071

23  
g-index

61  
all docs

61  
docs citations

61  
times ranked

349  
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of incentives to promote technical debt management. Information and Software Technology, 2022, 142, 106740.	3.0	6
2	Accumulation and Prioritization of Architectural Debt in Three Companies Migrating to Microservices. IEEE Access, 2022, 10, 37422-37445.	2.6	4
3	A systematic literature review on Technical Debt prioritization: Strategies, processes, factors, and tools. Journal of Systems and Software, 2021, 171, 110827.	3.3	64
4	An Overview and Comparison of Technical Debt Measurement Tools. IEEE Software, 2021, 38, 61-71.	2.1	57
5	Visual Analytics for Decision Support: A Supply Chain Perspective. IEEE Access, 2021, 9, 81326-81344.	2.6	5
6	Efficient and effective exploratory testing of large-scale software systems. Journal of Systems and Software, 2021, 174, 110890.	3.3	7
7	Measuring affective states from technical debt. Empirical Software Engineering, 2021, 26, 1.	3.0	3
8	Identifying architectural technical debt, principal, and interest in microservices: A multiple-case study. Journal of Systems and Software, 2021, 177, 110968.	3.3	14
9	Technical Debt Impacting Lead-Times: An Exploratory Study. , 2021, , .		3
10	Reducing Incidents in Microservices by Repaying Architectural Technical Debt. , 2021, , .		0
11	The MaLET Model "Maturity Levels for Exploratory Testing. , 2021, , .		1
12	Toward a Technical Debt Relationship with the Pivoting of Growth Phase Startups. Lecture Notes in Computer Science, 2021, , 265-280.	1.0	2
13	The influence of Technical Debt on software developer morale. Journal of Systems and Software, 2020, 167, 110586.	3.3	19
14	Skuld. , 2020, , .		1
15	Carrot and stick approaches when managing technical debt. , 2020, , .		4
16	Improving Agility by Managing Shared Libraries in Microservices. Lecture Notes in Business Information Processing, 2020, , 195-202.	0.8	0
17	Continuous Architecture: Towards the Goldilocks Zone and Away from Vicious Circles. , 2019, , .		3
18	Architectural Technical Debt in Microservices: A Case Study in a Large Company. , 2019, , .		11

#	ARTICLE	IF	CITATIONS
19	Technical Debt Triage in Backlog Management. , 2019, , .		10
20	Towards surgically-precise technical debt estimation: early results and research roadmap. , 2019, , .		22
21	Big Bangs and Small Pops: On Critical Cyclomatic Complexity and Developer Integration Behavior. , 2019, , .		3
22	Software developer productivity loss due to technical debt – A replication and extension study examining developers’ development work. Journal of Systems and Software, 2019, 156, 41-61.	3.3	32
23	Excellence in Exploratory Testing: Success Factors in Large-Scale Industry Projects. Lecture Notes in Computer Science, 2019, , 299-314.	1.0	22
24	Technical Debt tracking: Current state of practice. Science of Computer Programming, 2018, 163, 42-61.	1.5	47
25	A semi-automated framework for the identification and estimation of Architectural Technical Debt: A comparative case-study on the modularization of a software component. Information and Software Technology, 2018, 93, 264-279.	3.0	25
26	Managing architectural technical debt: A unified model and systematic literature review. Journal of Systems and Software, 2018, 135, 1-16.	3.3	66
27	Embracing Technical Debt, from a Startup Company Perspective. , 2018, , .		29
28	Identifying and Prioritizing Architectural Debt Through Architectural Smells: A Case Study in a Large Software Company. Lecture Notes in Computer Science, 2018, , 320-335.	1.0	33
29	Anacondet. , 2018, , .		7
30	Technical debt cripples software developer productivity. , 2018, , .		22
31	On the interest of architectural technical debt: Uncovering the contagious debt phenomenon. Journal of Software: Evolution and Process, 2017, 29, e1877.	1.2	21
32	The magnificent seven. , 2017, , .		25
33	Revealing Social Debt with the CAFFEA Framework: An Antidote to Architectural Debt. , 2017, , .		5
34	Technical debt interest assessment. , 2017, , .		5
35	An investigation of technical debt in automatic production systems. , 2017, , .		10
36	The Pricey Bill of Technical Debt: When and by Whom will it be Paid?. , 2017, , .		40

#	ARTICLE	IF	CITATIONS
37	Looking for Peace of Mind? Manage Your (Technical) Debt: An Exploratory Field Study. , 2017, , .		5
38	Impact of Architectural Technical Debt on Daily Software Development Work – A Survey of Software Practitioners. , 2017, , .		4
39	The Introduction of Technical Debt Tracking in Large Companies. , 2016, , .		30
40	A Systematic Literature Review and a Unified Model of ATD. , 2016, , .		34
41	Architectural Technical Debt in Embedded Systems. IncoSe International Symposium, 2016, 26, 1029-1043.	0.2	6
42	The Perception of Technical Debt in the Embedded Systems Domain: An Industrial Case Study. , 2016, , .		22
43	Exploring the Presence of Technical Debt in Industrial GUI-Based Testware: A Case Study. , 2016, , .		7
44	A Multiple Case Study of Continuous Architecting in Large Agile Companies: Current Gaps and the CAFFEA Framework. , 2016, , .		29
45	Estimating and Quantifying the Benefits of Refactoring to Improve a Component Modularity: A Case Study. , 2016, , .		7
46	An empirically developed method to aid decisions on architectural technical debt refactoring. , 2016, , .		44
47	A multiple case study on the inter-group interaction speed in large, embedded software companies employing agile. Journal of Software: Evolution and Process, 2016, 28, 4-26.	1.2	9
48	Identifying and visualizing Architectural Debt and its efficiency interest in the automotive domain: A case study. , 2015, , .		11
49	Towards Prioritizing Architecture Technical Debt: Information Needs of Architects and Product Owners. , 2015, , .		15
50	The Danger of Architectural Technical Debt: Contagious Debt and Vicious Circles. , 2015, , .		65
51	Technical debt in Automated Production Systems. , 2015, , .		18
52	Investigating Architectural Technical Debt accumulation and refactoring over time: A multiple-case study. Information and Software Technology, 2015, 67, 237-253.	3.0	97
53	Towards Introducing Agile Architecting in Large Companies: The CAFFEA Framework. Lecture Notes in Business Information Processing, 2015, , 218-223.	0.8	6
54	Architecture Technical Debt: Understanding Causes and a Qualitative Model. , 2014, , .		55

#	ARTICLE	IF	CITATIONS
55	Teams Interactions Hindering Short-Term and Long-Term Business Goals. , 2014, , 51-65.		2
56	A Framework for Speeding Up Interactions Between Agile Teams and Other Parts of the Organization. , 2014, , 67-82.		2
57	Role of Architects in Agile Organizations. , 2014, , 39-50.		6
58	Improving Businesses Success by Managing Interactions among Agile Teams in Large Organizations. Lecture Notes in Business Information Processing, 2013, , 60-72.	0.8	7
59	Managing Speed in Companies Developing Large-Scale Embedded Systems. Lecture Notes in Business Information Processing, 2013, , 231-232.	0.8	1
60	Enablers and inhibitors for speed with reuse. , 2012, , .		21