

Davide Taibi

List of Publications by Year in descending order

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83
papers

1,944
citations

430874
18
h-index

414414
32
g-index

85
all docs

85
docs citations

85
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring factors and metrics to select open source software components for integration: An empirical study. Journal of Systems and Software, 2022, 188, 111255.	4.5	10
2	Testing Approaches And Tools For AWS Lambda Serverless-Based Applications. , 2022, , .		5
3	On the Technical Debt Prioritization and Cost Estimation with SonarQube Tool. Lecture Notes on Multidisciplinary Industrial Engineering, 2022, , 302-309.	0.6	1
4	A systematic literature review on Technical Debt prioritization: Strategies, processes, factors, and tools. Journal of Systems and Software, 2021, 171, 110827.	4.5	64
5	An Overview and Comparison of Technical Debt Measurement Tools. IEEE Software, 2021, 38, 61-71.	1.8	57
6	Does code quality affect pull request acceptance? An empirical study. Journal of Systems and Software, 2021, 171, 110806.	4.5	22
7	Platforms for Serverless at the Edge: A Review. Communications in Computer and Information Science, 2021, , 29-40.	0.5	8
8	Structural Coupling for Microservices. , 2021, , .		8
9	Serverless Edge Computing: Vision and Challenges. , 2021, , .		92
10	Metrics selection for load monitoring of service-oriented system. , 2021, , .		3
11	Motivations, benefits, and issues for adopting Micro-Frontends: A Multivocal Literature Review. Information and Software Technology, 2021, 136, 106571.	4.4	18
12	From monolithic systems to Microservices: An assessment framework. Information and Software Technology, 2021, 137, 106600.	4.4	46
13	Serverless Computing-Where Are We Now, and Where Are We Heading?. IEEE Software, 2021, 38, 25-31.	1.8	21
14	Software Quality for AI: Where We Are Now?. Lecture Notes in Business Information Processing, 2021, , 43-53.	1.0	17
15	An Investigation on the Availability of Contribution Information in Open-Source Projects. , 2021, , .		1
16	A Survey on Code Analysis Tools for Software Maintenance Prediction. Advances in Intelligent Systems and Computing, 2020, , 165-175.	0.6	25
17	Does migrating a monolithic system to microservices decrease the technical debt?. Journal of Systems and Software, 2020, 169, 110710.	4.5	31
18	Some SonarQube issues have a significant but small effect on faults and changes. A large-scale empirical study. Journal of Systems and Software, 2020, 170, 110750.	4.5	25

#	ARTICLE	IF	CITATIONS
19	Open Source Software Evaluation, Selection, and Adoption: a Systematic Literature Review. , 2020, , .		24
20	Serverless: What it Is, What to Do and What Not to Do. , 2020, , .		21
21	Are SonarQube Rules Inducing Bugs?. , 2020, , .		33
22	Microservices Anti-patterns: A Taxonomy. , 2020, , 111-128.		32
23	OpenSZZ. , 2020, , .		11
24	Towards microservice smells detection. , 2020, , .		35
25	RARE: a labeled dataset for cloud-native memory anomalies. , 2020, , .		5
26	Patterns for Serverless Functions (Function-as-a-Service): A Multivocal Literature Review. , 2020, , .		29
27	On the Link Between Refactoring Activity and Class Cohesion Through the Prism of Two Cohesion-Based Metrics. , 2020, , .		0
28	A Decomposition and Metric-Based Evaluation Framework for Microservices. Communications in Computer and Information Science, 2020, , 133-149.	0.5	6
29	Cohort Studies in Software Engineering. , 2020, , .		3
30	How long do Junior Developers take to Remove Technical Debt Items?. , 2020, , .		8
31	On the Diffuseness of Code Technical Debt in Java Projects of the Apache Ecosystem. , 2019, , .		19
32	Continuous Architecting with Microservices and DevOps: A Systematic Mapping Study. Communications in Computer and Information Science, 2019, , 126-151.	0.5	24
33	The Technical Debt Dataset. , 2019, , .		45
34	An Empirical Study on Technical Debt in a Finnish SME. , 2019, , .		7
35	On the Relationship Between Coupling and Refactoring: An Empirical Viewpoint. , 2019, , .		3
36	Architectural Smells Detected by Tools: a Catalogue Proposal. , 2019, , .		43

#	ARTICLE	IF	CITATIONS
37	Towards surgically-precise technical debt estimation: early results and research roadmap. , 2019, , .		22
38	Asterism: Decentralized File Sharing Application for Mobile Devices. , 2019, , .		2
39	Are architectural smells independent from code smells? An empirical study. Journal of Systems and Software, 2019, 154, 139-156.	4.5	27
40	Implementing a Microservices System with Blockchain Smart Contracts. , 2019, , .		29
41	From Monolithic Systems to Microservices: A Decomposition Framework based on Process Mining. , 2019, , .		43
42	Right Scaling for Right Pricing: A Case Study on Total Cost of Ownership Measurement for Cloud Migration. Communications in Computer and Information Science, 2019, , 190-214.	0.5	4
43	On the Definition of Microservice Bad Smells. IEEE Software, 2018, 35, 56-62.	1.8	128
44	Towards Cloud Native Continuous Delivery: An Industrial Experience Report. , 2018, , .		3
45	Exploring information from OSS repositories and platforms to support OSS selection decisions. Information and Software Technology, 2018, 104, 104-108.	4.4	14
46	Architectural Patterns for Microservices: A Systematic Mapping Study. , 2018, , .		89
47	Prioritizing Corrective Maintenance Activities for Android Applications: An Industrial Case Study on Android Crash Reports. Lecture Notes in Business Information Processing, 2018, , 133-143.	1.0	0
48	Making the Cloud Work for Software Producers: Linking Architecture, Operating Cost and Revenue. , 2018, , .		2
49	Comparing Requirements Decomposition Within the Scrum, Scrum with Kanban, XP, and Banana Development Processes. Lecture Notes in Business Information Processing, 2017, , 68-83.	1.0	18
50	How developers perceive smells in source code: A replicated study. Information and Software Technology, 2017, 92, 223-235.	4.4	68
51	Microservices in agile software development. , 2017, , .		27
52	Comparing Communication Effort within the Scrum, Scrum with Kanban, XP, and Banana Development Processes. , 2017, , .		15
53	Analyzing Forty Years of Software Maintenance Models. , 2017, , .		30
54	Processes, Motivations, and Issues for Migrating to Microservices Architectures: An Empirical Investigation. IEEE Cloud Computing, 2017, 4, 22-32.	3.9	181

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55	MVP Explained: A Systematic Mapping Study on the Definitions of Minimal Viable Product. , 2016, , .		78
56	Towards Component-Aware Function Point Measurement. , 2016, , .		0
57	A Coordination-Based Brokerage Architecture for Multi-cloud Resource Markets. , 2016, , .		3
58	Can Opinion Mining Techniques Help to Select Open Source Software?. International Journal of Computer & Software Engineering, 2016, 1, .	0.4	3
59	Towards a Lean Approach to Reduce Code Smells Injection: An Empirical Study. Lecture Notes in Business Information Processing, 2016, , 300-304.	1.0	3
60	Controlled experiments comparing fault-tree-based safety analysis techniques. , 2014, , .		6
61	Estimating Software Development Effort Based on Phases. , 2014, , .		5
62	Process Configuration Framework Tool. , 2014, , .		4
63	Interoperability-Related Architectural Problems and Solutions in Information Systems: A Scoping Study. Lecture Notes in Computer Science, 2014, , 308-323.	1.3	10
64	Does Visualization Speed Up the Safety Analysis Process?. Lecture Notes in Computer Science, 2014, , 431-443.	1.3	0
65	An empirical investigation of perceived reliability of open source Java programs. , 2012, , .		22
66	On the definition of dynamic software measures. , 2012, , .		15
67	OP2A: How to Improve the Quality of the Web Portal of Open Source Software Products. Lecture Notes in Business Information Processing, 2012, , 149-162.	1.0	6
68	A Study on OSS Marketing and Communication Strategies. International Federation for Information Processing, 2012, , 338-343.	0.4	11
69	A Survey on Open Source Software Trustworthiness. IEEE Software, 2011, 28, 67-75.	1.8	52
70	A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks. , 2011, , .		10
71	OSS-TMM. International Journal of Open Source Software and Processes, 2011, 3, 1-22.	0.6	7
72	The QualiSPo approach to OSS product quality evaluation. , 2010, , .		20

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73	Predicting OSS trustworthiness on the basis of elementary code assessment. , 2010, , .		16
74	Application of AC/DC/AC converter for sensorless nonlinear control of permanent magnet synchronous motor.. , 2010, , .		5
75	Applying SCRUM in an OSS Development Process: An Empirical Evaluation. Lecture Notes in Business Information Processing, 2010, , 147-159.	1.0	19
76	An Investigation of the Usersâ€™ Perception of OSS Quality. International Federation for Information Processing, 2010, , 15-28.	0.4	17
77	A Survey on the Importance of Some Economic Factors in the Adoption of Open Source Software. Studies in Computational Intelligence, 2010, , 151-162.	0.9	4
78	Towards certifying the testing process of Open-Source Software: New challenges or old methodologies?. , 2009, , .		7
79	Quality of Open Source Software: The QualiPSo Trustworthiness Model. IFIP Advances in Information and Communication Technology, 2009, , 199-212.	0.7	23
80	Towards The Evaluation of OSS Trustworthiness: Lessons Learned From The Observation of Relevant OSS Projects. International Federation for Information Processing, 2008, , 389-395.	0.4	7
81	OpenBQR: a framework for the assessment of OSS. International Federation for Information Processing, 2007, , 173-186.	0.4	48
82	Lessons Learned on Communication Channels and Practices in Agile Software Development. , 0, , .		8
83	OSS-TMM. , 0, , 59-78.		0