

Damian Andrew Tamburri

List of Publications by Year in Descending Order

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

94
papers

1,109
citations

19
h-index

29
g-index

110
ext. papers

1,737
ext. citations

2.5
avg, IF

5.53
L-index

#	Paper	IF	Citations
94	Impacts of software community patterns on process and product: An empirical study. <i>Science of Computer Programming</i> , 2022 , 214, 102731	1.1	2
93	Go serverless with RADON! A practical DevOps experience report. <i>IEEE Software</i> , 2022 , 0-0	1.5	
92	Quality Assurance and Design-Time Optimization. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 53-66	0.4	
91	DataOps for Cyber-Physical Systems Governance: The Airport Passenger Flow Case. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-25	3.8	0
90	Cybercrime threat intelligence: A systematic multi-vocal literature review. <i>Computers and Security</i> , 2021 , 105, 102258	4.9	9
89	. <i>IEEE Transactions on Engineering Management</i> , 2021 , 68, 599-611	2.6	5
88	Beyond Technical Aspects: How Do Community Smells Influence the Intensity of Code Smells?. <i>IEEE Transactions on Software Engineering</i> , 2021 , 47, 108-129	3.5	25
87	. <i>IEEE Transactions on Software Engineering</i> , 2021 , 47, 630-652	3.5	12
86	Blockchain and cryptocurrencies: A classification and comparison of architecture drivers. <i>Concurrency Computation Practice and Experience</i> , 2021 , 33, e5992	1.4	14
85	Predicting the emergence of community smells using socio-technical metrics: A machine-learning approach. <i>Journal of Systems and Software</i> , 2021 , 171, 110847	3.3	6
84	. <i>IEEE Software</i> , 2021 , 38, 40-47	1.5	2
83	StreamGen. <i>ACM Transactions on Software Engineering and Methodology</i> , 2021 , 30, 1-30	3.3	
82	In Search of Socio-Technical Congruence: A Large-Scale Longitudinal Study. <i>IEEE Transactions on Software Engineering</i> , 2021 , 1-1	3.5	3
81	ChainOps for Smart Contract-Based Distributed Applications. <i>Lecture Notes in Business Information Processing</i> , 2021 , 374-383	0.6	1
80	Validated Data Quality Assessment with Bkin in the Game A Smart Contract Approach. <i>Communications in Computer and Information Science</i> , 2021 , 119-130	0.3	1
79	SODALITE@RT: Orchestrating Applications on Cloud-Edge Infrastructures. <i>Journal of Grid Computing</i> , 2021 , 19, 1	4.2	3
78	The do's and don'ts of infrastructure code: A systematic gray literature review. <i>Information and Software Technology</i> , 2021 , 137, 106593	3.4	4

77	DevOps and Quality Management in Serverless Computing: The RADON Approach. <i>Communications in Computer and Information Science</i> , 2021 , 155-160	0.3	
76	QSOC: Quantum Service-Oriented Computing. <i>Communications in Computer and Information Science</i> , 2021 , 52-63	0.3	3
75	Within-Project Defect Prediction of Infrastructure-as-Code Using Product and Process Metrics. <i>IEEE Transactions on Software Engineering</i> , 2021 , 1-1	3.5	3
74	AnsibleMetrics: A Python library for measuring Infrastructure-as-Code blueprints in Ansible. <i>SoftwareX</i> , 2020 , 12, 100633	2.7	4
73	Toward a catalog of software quality metrics for infrastructure code. <i>Journal of Systems and Software</i> , 2020 , 170, 110726	3.3	9
72	Sustainable MLOps: Trends and Challenges 2020 ,		9
71	Blockchains. <i>ACM Computing Surveys</i> , 2020 , 53, 1-37	13.4	25
70	OpenSZZ 2020 ,		5
69	Splicing Community Patterns and Smells 2020 ,		3
68	Towards Semantic Detection of Smells in Cloud Infrastructure Code 2020 ,		7
67	DeepLaC: deep learning-based linguistic anti-pattern detection in IaC 2020 ,		4
66	Refactoring Recommendations Based on the Optimization of Socio-Technical Congruence 2020 ,		1
65	Autonomic Decentralized Microservices: The Gru Approach and Its Evaluation 2020 , 209-248		2
64	Fallacies and Pitfalls on the Road to DevOps: A Longitudinal Industrial Study. <i>Lecture Notes in Computer Science</i> , 2020 , 200-210	0.9	1
63	Model-Driven ML-Ops for Intelligent Enterprise Applications: Vision, Approaches and Challenges. <i>Lecture Notes in Business Information Processing</i> , 2020 , 169-181	0.6	7
62	Gender Diversity and Community Smells: Insights From the Trenches. <i>IEEE Software</i> , 2020 , 37, 10-16	1.5	11
61	Design principles for the General Data Protection Regulation (GDPR): A formal concept analysis and its evaluation. <i>Information Systems</i> , 2020 , 91, 101469	2.7	30
60	Cloud applications monitoring: An industrial study. <i>Information and Software Technology</i> , 2020 , 127, 106376	3.6	9

59	The Canary in the Coal Mine: A cautionary tale from the decline of SourceForge. <i>Software - Practice and Experience</i> , 2020 , 50, 1930-1951	2.5	2
58	RADON: rational decomposition and orchestration for serverless computing. <i>Software-Intensive Cyber-Physical Systems</i> , 2020 , 35, 77-87	1.4	12
57	Gender Diversity and Women in Software Teams: How Do They Affect Community Smells? 2019 ,		30
56	Towards surgically-precise technical debt estimation: early results and research roadmap 2019 ,		10
55	HyperSpark: A Data-Intensive Programming Environment for Parallel Metaheuristics 2019 ,		1
54	Software Architecture Social Debt: Managing the Incommunicability Factor. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 20-37	4.5	4
53	SDSN@RT: A middleware environment for single-instance multitenant cloud applications. <i>Software - Practice and Experience</i> , 2019 , 49, 813-839	2.5	2
52	Verifying big data topologies by-design: a semi-automated approach. <i>Journal of Big Data</i> , 2019 , 6,	11.7	3
51	A UML Profile for the Design, Quality Assessment and Deployment of Data-intensive Applications. <i>Software and Systems Modeling</i> , 2019 , 18, 3577-3614	1.9	9
50	TOSCA-based Intent modelling: goal-modelling for infrastructure-as-code. <i>Software-Intensive Cyber-Physical Systems</i> , 2019 , 34, 163-172	1.4	5
49	Omniscient DevOps Analytics. <i>Lecture Notes in Computer Science</i> , 2019 , 48-59	0.9	1
48	Adoption, Support, and Challenges of Infrastructure-as-Code: Insights from Industry 2019 ,		17
47	Discovering community patterns in open-source: a systematic approach and its evaluation. <i>Empirical Software Engineering</i> , 2019 , 24, 1369-1417	3.3	19
46	. <i>IEEE Transactions on Education</i> , 2019 , 62, 99-107	2.1	6
45	Detecting code smells using machine learning techniques: Are we there yet? 2018 ,		75
44	TOSCA Solves Big Problems in the Cloud and Beyond!. <i>IEEE Cloud Computing</i> , 2018 , 1-1		6
43	General methods for software architecture recovery: a potential approach and its evaluation. <i>Empirical Software Engineering</i> , 2018 , 23, 1457-1489	3.3	5
42	Defining, enforcing and checking privacy policies in data-intensive applications 2018 ,		7

41	Microservices migration patterns. <i>Software - Practice and Experience</i> , 2018 , 48, 2019	2.5	34
40	Infrastructure-as-Code for Data-Intensive Architectures: A Model-Driven Development Approach 2018 ,		9
39	How do community smells influence code smells? 2018 ,		17
38	TOSCA Solves Big Problems in the Cloud and Beyond!. <i>IEEE Cloud Computing</i> , 2018 , 5, 37-47		21
37	Runtime Evolution of Multi-tenant Service Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 33-48	0.9	3
36	Managing Energy Consumption as an Architectural Quality Attribute. <i>IEEE Software</i> , 2018 , 35, 102-107	1.5	5
35	The pains and gains of microservices: A Systematic grey literature review. <i>Journal of Systems and Software</i> , 2018 , 146, 215-232	3.3	120
34	DevOps Service Observability By-Design: Experimenting with Model-View-Controller. <i>Lecture Notes in Computer Science</i> , 2018 , 49-64	0.9	4
33	DevOps Performance Engineering 2017 ,		1
32	Towards Omnia 2017 ,		2
31	Combining Quantitative and Qualitative Studies in Empirical Software Engineering Research 2017 ,		5
30	DevOps: Introducing Infrastructure-as-Code 2017 ,		32
29	Arcan: A Tool for Architectural Smells Detection 2017 ,		37
28	A software architecture framework for quality-aware DevOps 2016 ,		8
27	. <i>IEEE Software</i> , 2016 , 33, 70-79	1.5	30
26	Towards a model-driven design tool for big data architectures 2016 ,		19
25	MicroCloud: A Container-Based Solution for Efficient Resource Management in the Cloud 2016 ,		11
24	Providing big data applications with fault-tolerant data migration across heterogeneous NoSQL databases 2016 ,		5

23	Towards a UML profile for data intensive applications 2016 ,		12
22	Model-driven continuous deployment for quality DevOps 2016 ,		17
21	Continuous Architecting of Stream-Based Systems 2016 ,		4
20	Social debt in software engineering: insights from industry. <i>Journal of Internet Services and Applications</i> , 2015 , 6,	2.6	30
19	When Software Architecture Leads to Social Debt 2015 ,		14
18	Measuring and Monitoring Agile Development Status 2015 ,		4
17	On the Social Dimensions of Architectural Decisions. <i>Lecture Notes in Computer Science</i> , 2015 , 137-145	0.9	2
16	Architecting in Networked Organizations 2014 ,		6
15	Service networks for development communities 2013 ,		1
14	Teaching software design with social engagement 2013 ,		1
13	What is social debt in software engineering? 2013 ,		41
12	Uncovering Latent Social Communities in Software Development. <i>IEEE Software</i> , 2013 , 30, 29-36	1.5	24
11	Dynamic networked organizations for software engineering 2013 ,		3
10	Organizational social structures for software engineering. <i>ACM Computing Surveys</i> , 2013 , 46, 1-35	13.4	56
9	Going global with agile service networks 2012 ,		2
8	Simulating awareness in global software engineering: A comparative analysis of Scrum and Agile Service Networks 2012 ,		3
7	On the Nature of GSE Organizational Social Structures: An Empirical Study 2012 ,		12
6	Using the Cloud to Facilitate Global Software Development Challenges 2011 ,		20

5	Satisfying Cloud Computing Requirements with Agile Service Networks 2011 ,		4
4	Supporting Communication and Cooperation in Global Software Development with Agile Service Networks. <i>Lecture Notes in Computer Science</i> , 2011 , 236-243	0.9	4
3	Leveraging Software Architectures through the ISO/IEC 42010 Standard: A Feasibility Study. <i>Lecture Notes in Business Information Processing</i> , 2010 , 71-85	0.6	1
2	Providing Architectural Languages and Tools Interoperability through Model Transformation Technologies. <i>IEEE Transactions on Software Engineering</i> , 2010 , 36, 119-140	3.5	47
1	Evolving software forges: An experience report from Apache Allura. <i>Journal of Software: Evolution and Process</i> , e2397	1	0