

# Damian Andrew Tamburri

## List of Publications by Citations

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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	The pains and gains of microservices: A Systematic grey literature review. <i>Journal of Systems and Software</i> , <b>2018</b> , 146, 215-232	3.3	120
93	Detecting code smells using machine learning techniques: Are we there yet? <b>2018</b> ,		75
92	Organizational social structures for software engineering. <i>ACM Computing Surveys</i> , <b>2013</b> , 46, 1-35	13.4	56
91	Providing Architectural Languages and Tools Interoperability through Model Transformation Technologies. <i>IEEE Transactions on Software Engineering</i> , <b>2010</b> , 36, 119-140	3.5	47
90	What is social debt in software engineering? <b>2013</b> ,		41
89	Arcan: A Tool for Architectural Smells Detection <b>2017</b> ,		37
88	Microservices migration patterns. <i>Software - Practice and Experience</i> , <b>2018</b> , 48, 2019	2.5	34
87	DevOps: Introducing Infrastructure-as-Code <b>2017</b> ,		32
86	Gender Diversity and Women in Software Teams: How Do They Affect Community Smells? <b>2019</b> ,		30
85	Social debt in software engineering: insights from industry. <i>Journal of Internet Services and Applications</i> , <b>2015</b> , 6,	2.6	30
84	. <i>IEEE Software</i> , <b>2016</b> , 33, 70-79	1.5	30
83	Design principles for the General Data Protection Regulation (GDPR): A formal concept analysis and its evaluation. <i>Information Systems</i> , <b>2020</b> , 91, 101469	2.7	30
82	Blockchains. <i>ACM Computing Surveys</i> , <b>2020</b> , 53, 1-37	13.4	25
81	Beyond Technical Aspects: How Do Community Smells Influence the Intensity of Code Smells?. <i>IEEE Transactions on Software Engineering</i> , <b>2021</b> , 47, 108-129	3.5	25
80	Uncovering Latent Social Communities in Software Development. <i>IEEE Software</i> , <b>2013</b> , 30, 29-36	1.5	24
79	TOSCA Solves Big Problems in the Cloud and Beyond!. <i>IEEE Cloud Computing</i> , <b>2018</b> , 5, 37-47		21
78	Using the Cloud to Facilitate Global Software Development Challenges <b>2011</b> ,		20

77	Towards a model-driven design tool for big data architectures <b>2016</b> ,		19
76	Discovering community patterns in open-source: a systematic approach and its evaluation. <i>Empirical Software Engineering</i> , <b>2019</b> , 24, 1369-1417	3.3	19
75	How do community smells influence code smells? <b>2018</b> ,		17
74	Model-driven continuous deployment for quality DevOps <b>2016</b> ,		17
73	Adoption, Support, and Challenges of Infrastructure-as-Code: Insights from Industry <b>2019</b> ,		17
72	When Software Architecture Leads to Social Debt <b>2015</b> ,		14
71	Blockchain and cryptocurrencies: A classification and comparison of architecture drivers. <i>Concurrency Computation Practice and Experience</i> , <b>2021</b> , 33, e5992	1.4	14
70	On the Nature of GSE Organizational Social Structures: An Empirical Study <b>2012</b> ,		12
69	Towards a UML profile for data intensive applications <b>2016</b> ,		12
68	RADON: rational decomposition and orchestration for serverless computing. <i>Software-Intensive Cyber-Physical Systems</i> , <b>2020</b> , 35, 77-87	1.4	12
67	. <i>IEEE Transactions on Software Engineering</i> , <b>2021</b> , 47, 630-652	3.5	12
66	Gender Diversity and Community Smells: Insights From the Trenches. <i>IEEE Software</i> , <b>2020</b> , 37, 10-16	1.5	11
65	MicroCloud: A Container-Based Solution for Efficient Resource Management in the Cloud <b>2016</b> ,		11
64	Towards surgically-precise technical debt estimation: early results and research roadmap <b>2019</b> ,		10
63	A UML Profile for the Design, Quality Assessment and Deployment of Data-intensive Applications. <i>Software and Systems Modeling</i> , <b>2019</b> , 18, 3577-3614	1.9	9
62	Toward a catalog of software quality metrics for infrastructure code. <i>Journal of Systems and Software</i> , <b>2020</b> , 170, 110726	3.3	9
61	Infrastructure-as-Code for Data-Intensive Architectures: A Model-Driven Development Approach <b>2018</b> ,		9
60	Sustainable MLOps: Trends and Challenges <b>2020</b> ,		9

59	Cloud applications monitoring: An industrial study. <i>Information and Software Technology</i> , <b>2020</b> , 127, 1063-1076	3.7	9
58	Cybercrime threat intelligence: A systematic multi-vocal literature review. <i>Computers and Security</i> , <b>2021</b> , 105, 102258	4.9	9
57	A software architecture framework for quality-aware DevOps <b>2016</b> ,		8
56	Defining, enforcing and checking privacy policies in data-intensive applications <b>2018</b> ,		7
55	Towards Semantic Detection of Smells in Cloud Infrastructure Code <b>2020</b> ,		7
54	Model-Driven ML-Ops for Intelligent Enterprise Applications: Vision, Approaches and Challenges. <i>Lecture Notes in Business Information Processing</i> , <b>2020</b> , 169-181	0.6	7
53	TOSCA Solves Big Problems in the Cloud and Beyond!. <i>IEEE Cloud Computing</i> , <b>2018</b> , 1-1		6
52	Architecting in Networked Organizations <b>2014</b> ,		6
51	. <i>IEEE Transactions on Education</i> , <b>2019</b> , 62, 99-107	2.1	6
50	Predicting the emergence of community smells using socio-technical metrics: A machine-learning approach. <i>Journal of Systems and Software</i> , <b>2021</b> , 171, 110847	3.3	6
49	TOSCA-based Intent modelling: goal-modelling for infrastructure-as-code. <i>Software-Intensive Cyber-Physical Systems</i> , <b>2019</b> , 34, 163-172	1.4	5
48	General methods for software architecture recovery: a potential approach and its evaluation. <i>Empirical Software Engineering</i> , <b>2018</b> , 23, 1457-1489	3.3	5
47	Combining Quantitative and Qualitative Studies in Empirical Software Engineering Research <b>2017</b> ,		5
46	OpenSZZ <b>2020</b> ,		5
45	Providing big data applications with fault-tolerant data migration across heterogeneous NoSQL databases <b>2016</b> ,		5
44	. <i>IEEE Transactions on Engineering Management</i> , <b>2021</b> , 68, 599-611	2.6	5
43	Managing Energy Consumption as an Architectural Quality Attribute. <i>IEEE Software</i> , <b>2018</b> , 35, 102-107	1.5	5
42	Software Architecture Social Debt: Managing the Incommunicability Factor. <i>IEEE Transactions on Computational Social Systems</i> , <b>2019</b> , 6, 20-37	4.5	4

41	AnsibleMetrics: A Python library for measuring Infrastructure-as-Code blueprints in Ansible. <i>SoftwareX</i> , <b>2020</b> , 12, 100633	2.7	4
40	Measuring and Monitoring Agile Development Status <b>2015</b> ,		4
39	Satisfying Cloud Computing Requirements with Agile Service Networks <b>2011</b> ,		4
38	DeepIaC: deep learning-based linguistic anti-pattern detection in IaC <b>2020</b> ,		4
37	Supporting Communication and Cooperation in Global Software Development with Agile Service Networks. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 236-243	0.9	4
36	Continuous Architecting of Stream-Based Systems <b>2016</b> ,		4
35	DevOps Service Observability By-Design: Experimenting with Model-View-Controller. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 49-64	0.9	4
34	The do's and don'ts of infrastructure code: A systematic gray literature review. <i>Information and Software Technology</i> , <b>2021</b> , 137, 106593	3.4	4
33	Verifying big data topologies by-design: a semi-automated approach. <i>Journal of Big Data</i> , <b>2019</b> , 6,	11.7	3
32	Simulating awareness in global software engineering: A comparative analysis of Scrum and Agile Service Networks <b>2012</b> ,		3
31	Dynamic networked organizations for software engineering <b>2013</b> ,		3
30	Splicing Community Patterns and Smells <b>2020</b> ,		3
29	Runtime Evolution of Multi-tenant Service Networks. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 33-48	0.9	3
28	In Search of Socio-Technical Congruence: A Large-Scale Longitudinal Study. <i>IEEE Transactions on Software Engineering</i> , <b>2021</b> , 1-1	3.5	3
27	SODALITE@RT: Orchestrating Applications on Cloud-Edge Infrastructures. <i>Journal of Grid Computing</i> , <b>2021</b> , 19, 1	4.2	3
26	QSOC: Quantum Service-Oriented Computing. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 52-63	0.3	3
25	Within-Project Defect Prediction of Infrastructure-as-Code Using Product and Process Metrics. <i>IEEE Transactions on Software Engineering</i> , <b>2021</b> , 1-1	3.5	3
24	Towards Omnia <b>2017</b> ,		2

23	SDSN@RT: A middleware environment for single-instance multitenant cloud applications. <i>Software - Practice and Experience</i> , <b>2019</b> , 49, 813-839	2.5	2
22	Going global with agile service networks <b>2012</b> ,		2
21	Autonomic Decentralized Microservices: The Gru Approach and Its Evaluation <b>2020</b> , 209-248		2
20	Impacts of software community patterns on process and product: An empirical study. <i>Science of Computer Programming</i> , <b>2022</b> , 214, 102731	1.1	2
19	On the Social Dimensions of Architectural Decisions. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 137-145	0.9	2
18	The Canary in the Coal Mine A cautionary tale from the decline of SourceForge. <i>Software - Practice and Experience</i> , <b>2020</b> , 50, 1930-1951	2.5	2
17	. <i>IEEE Software</i> , <b>2021</b> , 38, 40-47	1.5	2
16	DevOps Performance Engineering <b>2017</b> ,		1
15	HyperSpark: A Data-Intensive Programming Environment for Parallel Metaheuristics <b>2019</b> ,		1
14	Omniscient DevOps Analytics. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 48-59	0.9	1
13	Service networks for development communities <b>2013</b> ,		1
12	Teaching software design with social engagement <b>2013</b> ,		1
11	Leveraging Software Architectures through the ISO/IEC 42010 Standard: A Feasibility Study. <i>Lecture Notes in Business Information Processing</i> , <b>2010</b> , 71-85	0.6	1
10	Refactoring Recommendations Based on the Optimization of Socio-Technical Congruence <b>2020</b> ,		1
9	Fallacies and Pitfalls on the Road to DevOps: A Longitudinal Industrial Study. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 200-210	0.9	1
8	ChainOps for Smart Contract-Based Distributed Applications. <i>Lecture Notes in Business Information Processing</i> , <b>2021</b> , 374-383	0.6	1
7	Validated Data Quality Assessment with Bkin in the Game A Smart Contract Approach. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 119-130	0.3	1
6	Evolving software forges: An experience report from Apache Allura. <i>Journal of Software: Evolution and Process</i> , e2397	1	0

5	DataOps for Cyber-Physical Systems Governance: The Airport Passenger Flow Case. <i>ACM Transactions on Internet Technology</i> , <b>2021</b> , 21, 1-25	3.8	0
4	StreamGen. <i>ACM Transactions on Software Engineering and Methodology</i> , <b>2021</b> , 30, 1-30	3.3	
3	DevOps and Quality Management in Serverless Computing: The RADON Approach. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 155-160	0.3	
2	Go serverless with RADON! A practical DevOps experience report. <i>IEEE Software</i> , <b>2022</b> , 0-0	1.5	
1	Quality Assurance and Design-Time Optimization. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2022</b> , 53-66	0.4	