

# Fabio Kon

## List of Publications by Year in descending order

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Version: 2024-02-01

122  
papers

2,170  
citations

516710

16  
h-index

302126

39  
g-index

127  
all docs

127  
docs citations

127  
times ranked

1469  
citing authors

#	ARTICLE	IF	CITATIONS
1	The case for reflective middleware. Communications of the ACM, 2002, 45, 33-38.	4.5	242
2	A Survey of DevOps Concepts and Challenges. ACM Computing Surveys, 2020, 52, 1-35.	23.0	201
3	Interpretative case studies on agile team productivity and management. Information and Software Technology, 2013, 55, 412-427.	4.4	120
4	Software Platforms for Smart Cities. ACM Computing Surveys, 2018, 50, 1-37.	23.0	120
5	Monitoring, Security, and Dynamic Configuration with the dynamicTAO Reflective ORB. Lecture Notes in Computer Science, 2000, , 121-143.	1.3	118
6	A comprehensive view of Hadoop research – A systematic literature review. Journal of Network and Computer Applications, 2014, 46, 1-25.	9.1	106
7	InteGrade: object-oriented Grid middleware leveraging the idle computing power of desktop machines. Concurrency Computation Practice and Experience, 2004, 16, 449-459.	2.2	80
8	Dependence management in component-based distributed systems. IEEE Concurrency, 2000, 8, 26-36.	0.8	69
9	The attraction of contributors in free and open source software projects. Journal of Strategic Information Systems, 2013, 22, 26-45.	5.9	65
10	The evolution of agile software development in Brazil. Journal of the Brazilian Computer Society, 2013, 19, 523-552.	1.3	52
11	A model of requirements engineering in software startups. Information and Software Technology, 2019, 109, 92-107.	4.4	51
12	Agile Team Perceptions of Productivity Factors. , 2011, , .		49
13	Design and evaluation of a scalable smart city software platform with large-scale simulations. Future Generation Computer Systems, 2019, 93, 427-441.	7.5	49
14	A maturity model for software startup ecosystems. Journal of Innovation and Entrepreneurship, 2018, 7, .	4.0	39
15	A systematic literature review of service choreography adaptation. Service Oriented Computing and Applications, 2013, 7, 199-216.	1.6	37
16	A Study of the Relationships between Source Code Metrics and Attractiveness in Free Software Projects. , 2010, , .		30
17	InterSCity: A Scalable Microservice-based Open Source Platform for Smart Cities. , 2017, , .		28
18	Software Startup Ecosystems Evolution: The New York City Case Study. , 2016, , .		25

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19	2K: A Reflective, Component-Based Operating System for Rapidly Changing Environments. Lecture Notes in Computer Science, 1998, , 388-389.	1.3	22
20	Using dynamic configuration to manage a scalable multimedia distribution system. Computer Communications, 2001, 24, 105-123.	5.1	21
21	Transitioning to a driverless city: Evaluating a hybrid system for autonomous and non-autonomous vehicles. Simulation Modelling Practice and Theory, 2021, 107, 102210.	3.8	21
22	A Panorama of the Israeli Software Startup Ecosystem. SSRN Electronic Journal, 0, , .	0.4	20
23	Jaguar: A Spectrum-Based Fault Localization Tool for Real-World Software. , 2018, , .		20
24	InterSCity: Addressing Future Internet research challenges for Smart Cities. , 2016, , .		18
25	Comparing bicycling and pedestrian mobility: Patterns of non-motorized human mobility in Greater Boston. Journal of Transport Geography, 2019, 80, 102501.	5.0	18
26	Is IEEE 802.11 ready for VoIP?. , 2006, , .		17
27	Borboleta. , 2008, , .		17
28	Being Extreme in the classroom: Experiences teaching XP. Journal of the Brazilian Computer Society, 2004, 10, 4-20.	1.3	16
29	Design, implementation, and performance of an automatic configuration service for distributed component systems. Software - Practice and Experience, 2005, 35, 667-703.	3.6	16
30	Designing a Maturity Model for Software Startup Ecosystems. Lecture Notes in Computer Science, 2015, , 600-606.	1.3	16
31	Contextualizing spectrum-based fault localization. Information and Software Technology, 2018, 94, 245-261.	4.4	16
32	An Integrated Development and Runtime Environment for the Future Internet. Lecture Notes in Computer Science, 2012, , 81-92.	1.3	16
33	Checkpointing-based rollback recovery for parallel applications on the InteGrade grid middleware. , 2004, , .		15
34	Experiences tracking agile projects: an empirical study. Journal of the Brazilian Computer Society, 2006, 12, 45-64.	1.3	15
35	The organization of software teams in the quest for continuous delivery: A grounded theory approach. Information and Software Technology, 2021, 139, 106672.	4.4	15
36	Developers Motivation in Agile Teams. , 2012, , .		14

#	ARTICLE	IF	CITATIONS
37	Tracking the Evolution of Object-Oriented Quality Metrics on Agile Projects. , 2007, , 84-92.		13
38	A hybrid cloud-P2P architecture for multimedia information retrieval on VoD services. Computing (Vienna/New York), 2016, 98, 73-92.	4.8	13
39	Strategies for storage of checkpointing data using non-dedicated repositories on Grid systems. , 2005, , .		12
40	XP South of the Equator: An eXPerience Implementing XP in Brazil. Lecture Notes in Computer Science, 2005, , 10-18.	1.3	12
41	Application execution management on the InteGrade opportunistic grid middleware. Journal of Parallel and Distributed Computing, 2010, 70, 573-583.	4.1	12
42	Deploying Large-Scale Service Compositions on the Cloud with the CHOReOS Enactment Engine. , 2014, , .		12
43	Scheduling Moldable BSP Tasks. Lecture Notes in Computer Science, 2005, , 157-172.	1.3	12
44	Perspectives on cloud computing: interviews with five leading scientists from the cloud community. Journal of Internet Services and Applications, 2011, 2, 3-9.	2.1	11
45	Evaluating data-flow coverage in spectrum-based fault localization. , 2019, , .		11
46	Current Challenges in Practical Object-Oriented Software Design. , 2019, , .		11
47	Defining and exploring a grid system ontology. , 2006, , .		10
48	Continuous Delivery: Building Trust in a Large-Scale, Complex Government Organization. IEEE Software, 2018, 35, 38-43.	1.8	10
49	InterSCSimulator: Large-Scale Traffic Simulation in Smart Cities Using Erlang. Lecture Notes in Computer Science, 2018, , 211-227.	1.3	10
50	Being Extreme in the Classroom: experiences Teaching XP. Journal of the Brazilian Computer Society, 2004, 10, 5-21.	1.3	10
51	The implementation of the BSP parallel computing model on the InteGrade Grid middleware. , 2005, , .		9
52	Checkpointing BSP parallel applications on the InteGrade Grid middleware. Concurrency Computation Practice and Experience, 2006, 18, 567-579.	2.2	8
53	Free and Open Source Software Development and Research: Opportunities for Software Engineering. , 2011, , .		8
54	Genesis and Evolution of the Agile Movement in Brazil -- Perspective from Academia and Industry. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
55	Model-Driven Domain-Specific Middleware. , 2017, , .		8
56	Classification and evaluation of IoT brokers: A methodology. International Journal of Network Management, 2021, 31, e2115.	2.2	8
57	Semantics-based grid resource management. , 2007, , .		7
58	Automated scalability testing of software as a service. , 2013, , .		7
59	A middleware for reflective web service choreographies on the cloud. , 2014, , .		7
60	Perspectives on software-defined networks: interviews with five leading scientists from the networking community. Journal of Internet Services and Applications, 2015, 6, .	2.1	7
61	Software architecture for digital game mechanics: A systematic literature review. Entertainment Computing, 2021, 38, 100421.	2.9	7
62	Secure Dynamic Reconfiguration of Scalable CORBA Systems with Mobile Agents. Lecture Notes in Computer Science, 2000, , 86-98.	1.3	7
63	Platform Teams. , 2020, , .		7
64	Design and Implementation of a Middleware for Data Storage in Opportunistic Grids. , 2007, , .		6
65	Ranking Source Code Static Analysis Warnings for Continuous Monitoring of FLOSS Repositories. IFIP Advances in Information and Communication Technology, 2018, , 90-101.	0.7	6
66	Abstracting mobility flows from bike-sharing systems. Public Transport, 2022, 14, 545-581.	2.7	6
67	Ranking warnings from multiple source code static analyzers via ensemble learning. , 2019, , .		6
68	Bringing Test-Driven Development to web service choreographies. Journal of Systems and Software, 2015, 99, 135-154.	4.5	5
69	Optimizing Bike Sharing System Flows Using Graph Mining, Convolutional and Recurrent Neural Networks. , 2020, , .		5
70	Toward smart and sustainable cities. Communications of the ACM, 2020, 63, 51-52.	4.5	5
71	Developing Adaptive Distributed Applications: A Framework Overview and Experimental Results. Lecture Notes in Computer Science, 2003, , 1275-1291.	1.3	5
72	A middleware for experimentation on dynamic adaptation. , 2005, , .		4

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73	Distributed data storage for opportunistic grids. , 2006, , .		4
74	Bootstrapping JISA”Letter from the Editors-in-Chief. Journal of Internet Services and Applications, 2010, 1, 1-2.	2.1	4
75	Unlimited Rulebook: a Reference Architecture for Economy Mechanics in Digital Games. , 2020, , .		4
76	Building a theory of software teams organization in a continuous delivery context. , 2020, , .		4
77	Highly collaborative distributed systems: Synthesis and enactment at work. Concurrency Computation Practice and Experience, 2021, 33, .	2.2	4
78	Efficient maintenance of distributed data in highly dynamic opportunistic grids. , 2009, , .		3
79	Does it make sense to have application-specific code conventions as a complementary approach to code annotations?. , 2018, , .		3
80	Leading successful government-academia collaborations using FLOSS and agile values. Journal of Systems and Software, 2020, 164, 110548.	4.5	3
81	Using bundling to visualize multivariate urban mobility structure patterns in the São Paulo Metropolitan Area. Journal of Internet Services and Applications, 2021, 12, .	2.1	3
82	Early-Stage Software Startups: Main Challenges and Possible Answers. , 2020, , 129-143.		3
83	Debugging distributed object applications with the Eclipse platform. , 2004, , .		2
84	Trust in large-scale computational grids. , 2006, , .		2
85	A group membership service for large-scale grids. , 2008, , .		2
86	Towards automated testing of web service choreographies. , 2011, , .		2
87	Towards an Enactment Engine for Dynamically Reconfigurable and Scalable Choreographies. , 2014, , .		2
88	Innovation and Entrepreneurship in the SSo Paulo Metropolis: The Role of Its Major University. SSRN Electronic Journal, 0, , .	0.4	2
89	Hadoop energy consumption reduction with hybrid HDFS. , 2016, , .		2
90	Cidades Inteligentes: Tecnologias, Aplicações, Iniciativas e Desafios. , 0, , 13-60.		2

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91	Startup Ecosystem Maturity and Visualization: The Cases of New York, Tel Aviv, and San Paolo. , 2020, , 179-194.		2
92	An Eclipse-Based Tool for Symbolic Debugging of Distributed Object Systems. , 2007, , 648-666.		2
93	Using interpreted CompositeCalls to improve operating system services. Software - Practice and Experience, 2000, 30, 589-615.	3.6	1
94	Reliable management of checkpointing and application data in Opportunistic grids. Journal of the Brazilian Computer Society, 2010, 16, 177-190.	1.3	1
95	The Internet's deep impact Letter from the Editors-in-Chief. Journal of Internet Services and Applications, 2011, 2, 1-2.	2.1	1
96	Future directions in the Internet's cloud computing and beyond. Journal of Internet Services and Applications, 2011, 2, 187-187.	2.1	1
97	Extending patterns for fearless change. , 2011, , .		1
98	Efficient Parallel Application Execution on Opportunistic Desktop Grids. , 0, , .		1
99	Hadoop branching: Architectural impacts on energy and performance. , 2015, , .		1
100	FLOSS Project Management in Government-Academia Collaboration. IFIP Advances in Information and Communication Technology, 2018, , 15-25.	0.7	1
101	Using PageRank to Reveal Relevant Issues to Support Decision-Making on Open Source Projects. IFIP Advances in Information and Communication Technology, 2018, , 102-113.	0.7	1
102	Batching: A Design Pattern for Efficient and Flexible Client/Server Interaction. Lecture Notes in Computer Science, 2009, , 48-66.	1.3	1
103	A Mobile Agent Infrastructure for QoS Negotiation of Adaptive Distributed Applications. Lecture Notes in Computer Science, 2004, , 1590-1607.	1.3	1
104	AcMus: an open, integrated platform for room acoustics research. Journal of the Brazilian Computer Society, 2008, 14, 87-103.	1.3	1
105	Using Performance Forecasting to Accelerate Elasticity. Lecture Notes in Computer Science, 2015, , 17-31.	1.3	1
106	The software in the middle Letter from the Editors-in-Chief. Journal of Internet Services and Applications, 2010, 1, 81-82.	2.1	0
107	One year of JISA letter from the editors-in-chief. Journal of Internet Services and Applications, 2011, 1, 153-154.	2.1	0
108	Empirical Evaluation of Agile Practices Impact on Team Productivity. Lecture Notes in Business Information Processing, 2011, , 322-323.	1.0	0

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109	The path to openness: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 243-244.	2.1	0
110	A virtual stone soup: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 141-142.	2.1	0
111	A Service Selection Mechanism Using Fault-Tolerance Techniques. , 2014, , .		0
112	Dynamic resource allocation using performance forecasting. , 2016, , .		0
113	VORPAL: An Extensible and Flexible Middleware for Real-Time Soundtracks in Digital Games. Lecture Notes in Computer Science, 2017, , 219-228.	1.3	0
114	Software Engineering Practices in the development of applications for Smart Cities. , 2019, , .		0
115	Challenges and Strategies for Information Systems in the Decision-Making Process to Face the COVID-19 Pandemic: The São Paulo Case. Advances in Intelligent Systems and Computing, 2021, , 630-640.	0.6	0
116	Adaptive software systems. Journal of the Brazilian Computer Society, 2004, 10, 3-4.	1.3	0
117	Experiences tracking agile projects: an empirical study. Journal of the Brazilian Computer Society, 2006, 12, 45-64.	1.3	0
118	Towards a Grand Unified Framework for Mobile Objects. Lecture Notes in Computer Science, 1998, , 317-318.	1.3	0
119	A Static Change Impact Analysis Approach based on Metrics and Visualizations to Support the Evolution of Workflow Repositories. International Journal of Web Services Research, 2016, 13, 74-101.	0.8	0
120	Analyzing Urban Mobility Carbon Footprint with Large-scale, Agent-based Simulation. , 2018, , .		0
121	Evaluating Exclusive Lanes For Autonomous Vehicle Platoons. , 2019, , .		0
122	Understanding FLOSS through community publications. , 2020, , .		0