Fabio Kon

List of Publications by Year
in descending order

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	Abstracting mobility flows from bike-sharing systems. Public Transport, 2022, 14, 545-581.	2.7	6
2	Classification and evaluation of IoT brokers: A methodology. International Journal of Network Management, 2021, 31, e2115.	2.2	8
3	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
4	Software architecture for digital game mechanics: A systematic literature review. Entertainment Computing, 2021, 38, 100421.	2.9	7
5	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
6	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
7	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
8	Highly collaborative distributed systems: Synthesis and enactment at work. Concurrency Computation Practice and Experience, 2021, 33, .	2.2	4
9	A Survey of DevOps Concepts and Challenges. ACM Computing Surveys, 2020, 52, 1-35.	23.0	201
10	Unlimited Rulebook: a Reference Architecture for Economy Mechanics in Digital Games. , 2020, , .		4
11	Optimizing Bike Sharing System Flows Using Graph Mining, Convolutional and Recurrent Neural Networks. , 2020, , .		5
12	Leading successful government-academia collaborations using FLOSS and agile values. Journal of Systems and Software, 2020, 164, 110548.	4.5	3
13	Building a theory of software teams organization in a continuous delivery context. , 2020, , .		4
14	Platform Teams. , 2020, , .		7
15	Toward smart and sustainable cities. Communications of the ACM, 2020, 63, 51-52.	4.5	5
16	Startup Ecosystem Maturity and Visualization: The Cases of New York, Tel Aviv, and San Paolo. , 2020, , 179-194.		2
17	Understanding FLOSS through community publications. , 2020, , .		0
18	Early-Stage Software Startups: Main Challenges and Possible Answers. , 2020, , 129-143.		3

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19	Evaluating data-flow coverage in spectrum-based fault localization. , 2019, , .		11
20	Current Challenges in Practical Object-Oriented Software Design. , 2019, , .		11
21	Software Engineering Practices in the development of applications for Smart Cities. , 2019, , .		0
22	Comparing bicycling and pedestrian mobility: Patterns of non-motorized human mobility in Greater Boston. Journal of Transport Geography, 2019, 80, 102501.	5.0	18
23	A model of requirements engineering in software startups. Information and Software Technology, 2019, 109, 92-107.	4.4	51
24	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
25	Evaluating Exclusive Lanes For Autonomous Vehicle Platoons. , 2019, , .		0
26	Ranking warnings from multiple source code static analyzers via ensemble learning. , 2019, , .		6
27	Continuous Delivery: Building Trust in a Large-Scale, Complex Government Organization. IEEE Software, 2018, 35, 38-43.	1.8	10
28	Contextualizing spectrum-based fault localization. Information and Software Technology, 2018, 94, 245-261.	4.4	16
29	Software Platforms for Smart Cities. ACM Computing Surveys, 2018, 50, 1-37.	23.0	120
30	A maturity model for software startup ecosystems. Journal of Innovation and Entrepreneurship, 2018, 7, .	4.0	39
31	Does it make sense to have application-specific code conventions as a complementary approach to code annotations?. , 2018, , .		3
32	InterSCSimulator: Large-Scale Traffic Simulation in Smart Cities Using Erlang. Lecture Notes in Computer Science, 2018, , 211-227.	1.3	10
33	Jaguar: A Spectrum-Based Fault Localization Tool for Real-World Software. , 2018, , .		20
34	FLOSS Project Management in Government-Academia Collaboration. IFIP Advances in Information and Communication Technology, 2018, , 15-25.	0.7	1
35	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
36	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

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37	Analyzing Urban Mobility Carbon Footprint with Large-scale, Agent-based Simulation. , 2018, , .		0
38	VORPAL: An Extensible and Flexible Middleware for Real-Time Soundtracks in Digital Games. Lecture Notes in Computer Science, 2017, , 219-228.	1.3	0
39	Model-Driven Domain-Specific Middleware. , 2017, , .		8
40	InterSCity: A Scalable Microservice-based Open Source Platform for Smart Cities. , 2017, , .		28
41	A hybrid cloud-P2P architecture for multimedia information retrieval on VoD services. Computing (Vienna/New York), 2016, 98, 73-92.	4.8	13
42	Software Startup Ecosystems Evolution: The New York City Case Study. , 2016, , .		25
43	InterSCity: Addressing Future Internet research challenges for Smart Cities. , 2016, , .		18
44	Dynamic resource allocation using performance forecasting. , 2016, , .		0
45	Hadoop energy consumption reduction with hybrid HDFS. , 2016, , .		2
46	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
47	Hadoop branching: Architectural impacts on energy and performance. , 2015, , .		1
48	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
49	Designing a Maturity Model for Software Startup Ecosystems. Lecture Notes in Computer Science, 2015, , 600-606.	1.3	16
50	Bringing Test-Driven Development to web service choreographies. Journal of Systems and Software, 2015, 99, 135-154.	4.5	5
51	Using Performance Forecasting to Accelerate Elasticity. Lecture Notes in Computer Science, 2015, , 17-31.	1.3	1
52	A Service Selection Mechanism Using Fault-Tolerance Techniques. , 2014, , .		0
53	A middleware for reflective web service choreographies on the cloud. , 2014, , .		7
54	Towards an Enactment Engine for Dynamically Reconfigurable and Scalable Choreographies. , 2014, , .		2

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55	Deploying Large-Scale Service Compositions on the Cloud with the CHOReOS Enactment Engine. , 2014, , .		12
56	A comprehensive view of Hadoop researchâ€"A systematic literature review. Journal of Network and Computer Applications, 2014, 46, 1-25.	9.1	106
57	The evolution of agile software development in Brazil. Journal of the Brazilian Computer Society, 2013, 19, 523-552.	1.3	52
58	Automated scalability testing of software as a service. , 2013, , .		7
59	Interpretative case studies on agile team productivity and management. Information and Software Technology, 2013, 55, 412-427.	4.4	120
60	A systematic literature review of service choreography adaptation. Service Oriented Computing and Applications, 2013, 7, 199-216.	1.6	37
61	The attraction of contributors in free and open source software projects. Journal of Strategic Information Systems, 2013, 22, 26-45.	5.9	65
62	Developers Motivation in Agile Teams. , 2012, , .		14
63	The path to openness: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 243-244.	2.1	0
64	A virtual stone soup: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 141-142.	2.1	0
65	An Integrated Development and Runtime Environment for the Future Internet. Lecture Notes in Computer Science, 2012, , 81-92.	1.3	16
66	Free and Open Source Software Development and Research: Opportunities for Software Engineering. , 2011, , .		8
67	Agile Team Perceptions of Productivity Factors. , 2011, , .		49
68	Genesis and Evolution of the Agile Movement in Brazil -- Perspective from Academia and Industry. , 2011, , .		8
69	One year of JISAâ€"letter from the editors-in-chief. Journal of Internet Services and Applications, 2011, 1, 153-154.	2.1	0
70	The Internetâ€™s deep impactâ€"Letter from the Editors-in-Chief. Journal of Internet Services and Applications, 2011, 2, 1-2.	2.1	1
71	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
72	Future directions in the Internetâ€"cloud computing and beyond. Journal of Internet Services and Applications, 2011, 2, 187-187.	2.1	1

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73	Empirical Evaluation of Agile Practices Impact on Team Productivity. Lecture Notes in Business Information Processing, 2011, , 322-323.	1.0	0
74	Towards automated testing of web service choreographies. , 2011, , .		2
75	Extending patterns for fearless change. , 2011, , .		1
76	Reliable management of checkpointing and application data inÂopportunistic grids. Journal of the Brazilian Computer Society, 2010, 16, 177-190.	1.3	1
77	Bootstrapping JISAâ€"Letter from the Editors-in-Chief. Journal of Internet Services and Applications, 2010, 1, 1-2.	2.1	4
78	The software in the middleâ€"Letter from the Editors-in-Chief. Journal of Internet Services and Applications, 2010, 1, 81-82.	2.1	0
79	Application execution management on the InteGrade opportunistic grid middleware. Journal of Parallel and Distributed Computing, 2010, 70, 573-583.	4.1	12
80	A Study of the Relationships between Source Code Metrics and Attractiveness in Free Software Projects. , 2010, , .		30
81	Efficient maintenance of distributed data in highly dynamic opportunistic grids. , 2009, , .		3
82	Batching: A Design Pattern for Efficient and Flexible Client/Server Interaction. Lecture Notes in Computer Science, 2009, , 48-66.	1.3	1
83	Borboleta. , 2008, , .		17
84	A group membership service for large-scale grids. , 2008, , .		2
85	AcMus: an open, integrated platform for room acoustics research. Journal of the Brazilian Computer Society, 2008, 14, 87-103.	1.3	1
86	Semantics-based grid resource management. , 2007, , .		7
87	Design and Implementation of a Middleware for Data Storage in Opportunistic Grids. , 2007, , .		6
88	Tracking the Evolution of Object-Oriented Quality Metrics on Agile Projects. , 2007, , 84-92.		13
89	An Eclipse-Based Tool for Symbolic Debugging of Distributed Object Systems. , 2007, , 648-666.		2
90	Is IEEE 802.11 ready for VoIP?. , 2006, , .		17

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91	Experiences tracking agile projects: an empirical study. Journal of the Brazilian Computer Society, 2006, 12, 45-64.	1.3	15
92	Checkpointing BSP parallel applications on the InteGrade Grid middleware. Concurrency Computation Practice and Experience, 2006, 18, 567-579.	2.2	8
93	Trust in large-scale computational grids. , 2006, , .		2
94	Distributed data storage for opportunistic grids. , 2006, , .		4
95	Defining and exploring a grid system ontology. , 2006, , .		10
96	Experiences tracking agile projects: an empirical study. Journal of the Brazilian Computer Society, 2006, 12, 45-64.	1.3	0
97	Design, implementation, and performance of an automatic configuration service for distributed component systems. Software - Practice and Experience, 2005, 35, 667-703.	3.6	16
98	The implementation of the BSP parallel computing model on the InteGrade Grid middleware. , 2005, , .		9
99	A middleware for experimentation on dynamic adaptation. , 2005, , .		4
100	Strategies for storage of checkpointing data using non-dedicated repositories on Grid systems. , 2005, , .		12
101	XP South of the Equator: An eXPerience Implementing XP in Brazil. Lecture Notes in Computer Science, 2005, , 10-18.	1.3	12
102	Scheduling Moldable BSP Tasks. Lecture Notes in Computer Science, 2005, , 157-172.	1.3	12
103	Checkpointing-based rollback recovery for parallel applications on the InteGrade grid middleware. , 2004, , .		15
104	Debugging distributed object applications with the Eclipse platform. , 2004, , .		2
105	Being Extreme in the classroom: Experiences teaching XP. Journal of the Brazilian Computer Society, 2004, 10, 4-20.	1.3	16
106	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
107	Being Extreme in the Classroom: experiences Teaching XP. Journal of the Brazilian Computer Society, 2004, 10, 5-21.	1.3	10
108	A Mobile Agent Infrastructure for QoS Negotiation of Adaptive Distributed Applications. Lecture Notes in Computer Science, 2004, , 1590-1607.	1.3	1

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109	Adaptive software systems. Journal of the Brazilian Computer Society, 2004, 10, 3-4.	1.3	0
110	Developing Adaptive Distributed Applications: A Framework Overview and Experimental Results. Lecture Notes in Computer Science, 2003, , 1275-1291.	1.3	5
111	The case for reflective middleware. Communications of the ACM, 2002, 45, 33-38.	4.5	242
112	Using dynamic configuration to manage a scalable multimedia distribution system. Computer Communications, 2001, 24, 105-123.	5.1	21
113	Using interpreted CompositeCalls to improve operating system services. Software - Practice and Experience, 2000, 30, 589-615.	3.6	1
114	Dependence management in component-based distributed systems. IEEE Concurrency, 2000, 8, 26-36.	0.8	69
115	Monitoring, Security, and Dynamic Configuration with the dynamicTAO Reflective ORB. Lecture Notes in Computer Science, 2000, , 121-143.	1.3	118
116	Secure Dynamic Reconfiguration of Scalable CORBA Systems with Mobile Agents. Lecture Notes in Computer Science, 2000, , 86-98.	1.3	7
117	2K: A Reflective, Component-Based Operating System for Rapidly Changing Environments. Lecture Notes in Computer Science, 1998, , 388-389.	1.3	22
118	Towards a Grand Unified Framework for Mobile Objects. Lecture Notes in Computer Science, 1998, , 317-318.	1.3	0
119	Efficient Parallel Application Execution on Opportunistic Desktop Grids. , 0, , .		1
120	A Panorama of the Israeli Software Startup Ecosystem. SSRN Electronic Journal, 0, , .	0.4	20
121	Innovation and Entrepreneurship in the SSo Paulo Metropolis: The Role of Its Major University. SSRN Electronic Journal, 0, , .	0.4	2
122	Cidades Inteligentes: Tecnologias, AplicaÃ§Ãµes, Iniciativas e Desafios. , 0, , 13-60.		2