

# Jean-Marc Jäzäquel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2673781/publications.pdf>

Version: 2024-02-01

136  
papers

3,769  
citations

212478

28  
h-index

214428

50  
g-index

147  
all docs

147  
docs citations

147  
times ranked

1860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical Assessment of Multimorphic Testing. IEEE Transactions on Software Engineering, 2021, 47, 1511-1527.	4.3	3
2	A Hitchhiker's Guide to Model-Driven Engineering for Data-Centric Systems. IEEE Software, 2021, 38, 71-84.	2.1	19
3	Empirical assessment of generating adversarial configurations for software product lines. Empirical Software Engineering, 2021, 26, 1.	3.0	5
4	Deep Software Variability: Towards Handling Cross-Layer Configuration. , 2021, , .		5
5	The interplay of compile-time and run-time options for performance prediction. , 2021, , .		7
6	A comparison of performance specialization learning for configurable systems. , 2021, , .		5
7	Learning software configuration spaces: A systematic literature review. Journal of Systems and Software, 2021, 182, 111044.	3.3	26
8	Comparing and classifying model transformation reuse approaches across metamodels. Software and Systems Modeling, 2020, 19, 441-465.	2.2	10
9	Opportunities in intelligent modeling assistance. Software and Systems Modeling, 2020, 19, 1045-1053.	2.2	37
10	Sampling Effect on Performance Prediction of Configurable Systems. , 2020, , .		28
11	Towards Quality Assurance of Software Product Lines with Adversarial Configurations. , 2019, , .		5
12	Towards Learning-Aided Configuration in 3D Printing. , 2019, , .		11
13	VaryLATEX. , 2018, , .		14
14	Multimorphic testing. , 2018, , .		1
15	Concern-oriented language development (COLD): Fostering reuse in language engineering. Computer Languages, Systems and Structures, 2018, 54, 139-155.	1.4	21
16	Safe model polymorphism for flexible modeling. Computer Languages, Systems and Structures, 2017, 49, 176-195.	1.4	10
17	On Language Interfaces. , 2017, , 65-75.		2
18	Learning Contextual-Variability Models. IEEE Software, 2017, 34, 64-70.	2.1	22

#	ARTICLE	IF	CITATIONS
19	ScapeGoat: Spotting abnormal resource usage in component-based reconfigurable software systems. <i>Journal of Systems and Software</i> , 2016, 122, 398-415.	3.3	10
20	Using machine learning to infer constraints for product lines. , 2016, , .		41
21	On the Variability Secrets of an Online Video Generator. , 2015, , .		4
22	Melange: a meta-language for modular and reusable development of DSLs. , 2015, , .		51
23	Product lines can jeopardize their trade secrets. , 2015, , .		6
24	In memory of Robert B. France, Co-Founder and Editor-in-Chief of SoSyM from 1999 to 2015. <i>Software and Systems Modeling</i> , 2015, 14, 525-532.	2.2	0
25	Assessing the use of slicing-based visualizing techniques on the understanding of large metamodels. <i>Information and Software Technology</i> , 2015, 62, 124-142.	3.0	10
26	Mashup of metalanguages and its implementation in the Kermeta language workbench. <i>Software and Systems Modeling</i> , 2015, 14, 905-920.	2.2	36
27	On the Globalization of Domain-Specific Languages. <i>Lecture Notes in Computer Science</i> , 2015, , 1-6.	1.0	5
28	Globalized Domain Specific Language Engineering. <i>Lecture Notes in Computer Science</i> , 2015, , 43-69.	1.0	1
29	Customization and 3D printing. , 2014, , .		10
30	A prediction-driven adaptation approach for self-adaptive sensor networks. , 2014, , .		25
31	Model-based testing of global properties on large-scale distributed systems. <i>Information and Software Technology</i> , 2014, 56, 749-762.	3.0	13
32	Scapegoat: An Adaptive Monitoring Framework for Component-Based Systems. , 2014, , .		5
33	A Reference Architecture and Roadmap for Models@run.time Systems. <i>Lecture Notes in Computer Science</i> , 2014, , 1-18.	1.0	16
34	Globalizing Modeling Languages. <i>Computer</i> , 2014, 47, 68-71.	1.2	54
35	When Model Driven Engineering meets virtual reality: Feedback from application to the Collaviz framework. , 2014, , .		5
36	Efficient high-level abstractions for web programming. <i>ACM SIGPLAN Notices</i> , 2014, 49, 53-60.	0.2	7

#	ARTICLE	IF	CITATIONS
37	Using Path-Dependent Types to Build Type Safe JavaScript Foreign Function Interfaces. Lecture Notes in Computer Science, 2014, , 308-321.	1.0	0
38	Model-Driven Engineering for Software Product Lines. , 2014, , 51-110.		0
39	RELATE. , 2013, , .		0
40	Automated measurement of models of requirements. Software Quality Journal, 2013, 21, 3-22.	1.4	7
41	Integrating Software Process Reuse and Automation. , 2013, , .		1
42	Efficient high-level abstractions for web programming. , 2013, , .		5
43	Improving Reusability in Software Process Lines. , 2013, , .		4
44	Achieving Practical Genericity in Model Weaving through Extensibility. Lecture Notes in Computer Science, 2013, , 108-124.	1.0	8
45	Specifying and running rich graphical components with Loa. , 2012, , .		4
46	Leveraging CVL to Manage Variability in Software Process Lines. , 2012, , .		14
47	Achieving process modeling and execution through the combination of aspect and model-driven engineering approaches. Journal of Software: Evolution and Process, 2012, 24, 765-781.	1.2	4
48	A Model-Based Approach for Optimizing Power Consumption of IaaS. , 2012, , .		2
49	Relationships Formalization for Model-Based Product Lines. , 2012, , .		2
50	A dynamic component model for cyber physical systems. , 2012, , .		42
51	Bridging the chasm between MDE and the world of compilation. Software and Systems Modeling, 2012, 11, 581-597.	2.2	5
52	Comparing Six Modeling Approaches. Lecture Notes in Computer Science, 2012, , 217-243.	1.0	3
53	Towards flexible evolution of Dynamically Adaptive Systems. , 2012, , .		11
54	Model-Driven Engineering for Software Product Lines. , 2012, 2012, 1-24.		14

#	ARTICLE	IF	CITATIONS
55	Weaving variability into domain metamodels. <i>Software and Systems Modeling</i> , 2012, 11, 361-383.	2.2	12
56	Reusable model transformations. <i>Software and Systems Modeling</i> , 2012, 11, 111-125.	2.2	23
57	Dissemination of Reconfiguration Policies on Mesh Networks. <i>Lecture Notes in Computer Science</i> , 2012, , 16-30.	1.0	12
58	On Model Subtyping. <i>Lecture Notes in Computer Science</i> , 2012, , 400-415.	1.0	42
59	A Model-Driven Approach for Virtual Machine Image Provisioning in Cloud Computing. <i>Lecture Notes in Computer Science</i> , 2012, , 107-121.	1.0	8
60	Model-driven generative development of measurement software. <i>Software and Systems Modeling</i> , 2011, 10, 537-552.	2.2	16
61	A multi-perspective approach for web service composition. , 2011, , .		7
62	Combining aspect-oriented modeling with property-based reasoning to improve user interface adaptation. , 2011, , .		25
63	Specifying and implementing UI data bindings with active operations. , 2011, , .		2
64	Model Driven Language Engineering with Kermeta. <i>Lecture Notes in Computer Science</i> , 2011, , 201-221.	1.0	29
65	Model-driven architecture of a maritime surveillance system simulator. <i>Systems Engineering</i> , 2010, 13, 290-297.	1.6	3
66	Evaluation of Kermeta for solving graph-based problems. <i>International Journal on Software Tools for Technology Transfer</i> , 2010, 12, 273-285.	1.7	17
67	Business and Information System Alignment: A Formal Solution for Telecom Services. , 2010, , .		11
68	Security-driven model-based dynamic adaptation. , 2010, , .		24
69	Using model driven engineering technologies for building authoring applications. , 2010, , .		2
70	Integrating legacy systems with MDE. , 2010, , .		7
71	A Comparison of Six UML-Based Languages for Software Process Modeling. <i>IEEE Transactions on Software Engineering</i> , 2010, 36, 662-675.	4.3	60
72	Integrating IoT and IoS with a Component-Based Approach. , 2010, , .		10

#	ARTICLE	IF	CITATIONS
73	Aspect-Oriented Design with Reusable Aspect Models. Lecture Notes in Computer Science, 2010, , 272-320.	1.0	29
74	Flexible Model Element Introduction Policies for Aspect-Oriented Modeling. Lecture Notes in Computer Science, 2010, , 63-77.	1.0	5
75	Active Operations on Collections. Lecture Notes in Computer Science, 2010, , 91-105.	1.0	14
76	A Requirement-Centric Approach to Web Service Modeling, Discovery, and Selection. Lecture Notes in Computer Science, 2010, , 258-272.	1.0	17
77	Models@ Run.time to Support Dynamic Adaptation. Computer, 2009, 42, 44-51.	1.2	261
78	Unifying Runtime Adaptation and Design Evolution. , 2009, , .		10
79	Dynamic Software Product Lines for Service-Based Systems. , 2009, , .		16
80	Taming Dynamically Adaptive Systems using models and aspects. , 2009, , .		126
81	Combining Aspect and Model-Driven Engineering Approaches for Software Process Modeling and Execution. Lecture Notes in Computer Science, 2009, , 148-160.	1.0	12
82	Meta-model Pruning. Lecture Notes in Computer Science, 2009, , 32-46.	1.0	55
83	Generic Model Refactorings. Lecture Notes in Computer Science, 2009, , 628-643.	1.0	26
84	Weaving Variability into Domain Metamodels. Lecture Notes in Computer Science, 2009, , 690-705.	1.0	34
85	Measuring Models. , 2009, , 147-169.		6
86	Model driven design and aspect weaving. Software and Systems Modeling, 2008, 7, 209-218.	2.2	41
87	Model-driven analysis and synthesis of textual concrete syntax. Software and Systems Modeling, 2008, 7, 423-441.	2.2	8
88	An Aspect-Oriented and Model-Driven Approach for Managing Dynamic Variability. Lecture Notes in Computer Science, 2008, , 782-796.	1.0	55
89	Reconciling Automation and Flexibility in Product Derivation. , 2008, , .		53
90	A Discrete-Events Simulation Approach for Evaluation of Service-Based Applications. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
91	EA4UP: An Enterprise Architecture-Assisted Telecom Service Development Method. , 2008, , .		8
92	Composition of Qualitative Adaptation Policies. , 2008, , .		16
93	A generic weaver for supporting product lines. , 2008, , .		38
94	Model-Driven Simulation of a Maritime Surveillance System. , 2008, , 361-368.		6
95	A Model-Driven Measurement Approach. Lecture Notes in Computer Science, 2008, , 505-519.	1.0	12
96	Managing Variability Complexity in Aspect-Oriented Modeling. Lecture Notes in Computer Science, 2008, , 797-812.	1.0	7
97	Using MDE to Build a Schizophrenic Middleware for Home/Building Automation. Lecture Notes in Computer Science, 2008, , 49-61.	1.0	13
98	Test Synthesis from UML Models of Distributed Software. IEEE Transactions on Software Engineering, 2007, 33, 252-269.	4.3	31
99	An Enterprise Architecture Alignment Measure for Telecom Service Development. , 2007, , .		6
100	Model-Driven Engineering for Software Migration in a Large Industrial Context. Lecture Notes in Computer Science, 2007, , 482-497.	1.0	36
101	On model typing. Software and Systems Modeling, 2007, 6, 401-413.	2.2	80
102	Weaving Multiple Aspects in Sequence Diagrams. , 2007, , 167-199.		29
103	Introducing Variability into Aspect-Oriented Modeling Approaches. Lecture Notes in Computer Science, 2007, , 498-513.	1.0	22
104	Matching Model-Snippets. Lecture Notes in Computer Science, 2007, , 121-135.	1.0	17
105	Model-Driven Analysis and Synthesis of Concrete Syntax. Lecture Notes in Computer Science, 2006, , 98-110.	1.0	32
106	Automatic test generation: a use case driven approach. IEEE Transactions on Software Engineering, 2006, 32, 140-155.	4.3	182
107	Design by Contract to Improve Software Vigilance. IEEE Transactions on Software Engineering, 2006, 32, 571-586.	4.3	47
108	System Testing of Product Lines: From Requirements to Test Cases. , 2006, , 447-477.		26

#	ARTICLE	IF	CITATIONS
109	Semantic-based weaving of scenarios. , 2006, , .		73
110	Software Product Line Engineering with the UML: Deriving Products. , 2006, , 557-588.		65
111	Reifying the Semantic Domains of Component Contracts. , 2006, , 25-34.		0
112	From genetic to bacteriological algorithms for mutation-based testing. Software Testing Verification and Reliability, 2005, 15, 73-96.	1.7	52
113	Weaving Executability into Object-Oriented Meta-languages. Lecture Notes in Computer Science, 2005, , 264-278.	1.0	221
114	Model Typing for Improving Reuse in Model-Driven Engineering. Lecture Notes in Computer Science, 2005, , 84-96.	1.0	9
115	Applying CLP to Predict Extra-Functional Properties of Component-Based Models. Lecture Notes in Computer Science, 2004, , 454-455.	1.0	6
116	Using UML Sequence Diagrams as the Basis for a Formal Test Description Language. Lecture Notes in Computer Science, 2004, , 481-500.	1.0	7
117	Extra-Functional Contract Support in Components. Lecture Notes in Computer Science, 2004, , 217-232.	1.0	14
118	An MDA Approach to Tame Component Based Software Development. Lecture Notes in Computer Science, 2004, , 260-275.	1.0	5
119	Reflective Model Driven Engineering. Lecture Notes in Computer Science, 2003, , 175-189.	1.0	26
120	ModÄ©lisation de lignes de produits en UML. L Objet, 2003, 9, 227-240.	0.2	3
121	A toolkit for weaving aspect oriented UML designs. , 2002, , .		32
122	Using UML Action Semantics for model execution and transformation. Information Systems, 2002, 27, 445-457.	2.4	20
123	Reliable objects: lightweight testing for oo languages. IEEE Software, 2001, 18, 76-83.	2.1	27
124	Refactoring UML Models. Lecture Notes in Computer Science, 2001, , 134-148.	1.0	120
125	Using UML Action Semantics for Executable Modeling and Beyond. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2001, , 433-447.	0.2	19
126	Efficient object-oriented integration and regression testing. IEEE Transactions on Reliability, 2000, 49, 12-25.	3.5	102



#	ARTICLE	IF	CITATIONS
127	Precise Modeling of Design Patterns. Lecture Notes in Computer Science, 2000, , 482-496.	1.0	30
128	Design Patterns Application in UML. Lecture Notes in Computer Science, 2000, , 44-62.	1.0	43
129	Validating Distributed Software Modeled with the Unified Modeling Language. Lecture Notes in Computer Science, 1999, , 365-377.	1.0	4
130	Reifying variants in configuration management. ACM Transactions on Software Engineering and Methodology, 1999, 8, 284-295.	4.8	6
131	Making components contract aware. Computer, 1999, 32, 38-45.	1.2	330
132	A methodology for specifying data distribution using only standard object-oriented features. , 1997, , .		4
133	Building a global clock for observing computations in distributed memory parallel computers. Concurrency and Computation: Practice and Experience, 1996, 8, 71-89.	0.6	3
134	Echidna, an estelle compiler to prototype protocols on distributed computers. Concurrency and Computation: Practice and Experience, 1992, 4, 377-397.	0.6	5
135	Building a global time on parallel machines. Lecture Notes in Computer Science, 1989, , 136-147.	1.0	7
136	Contract Aware Components, 10 years after. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 37, 1-11.	0.8	10