Gunter Mussbacher

List of Publications by Year
in descending order

65 papers	989 citations	687363 13 h-index	526287 27 g-index
68 all docs	68 docs citations	68 times ranked	489 citing authors

#	Article	IF	Citations
1	Layout merging with relative positioning in Concern-Oriented Reuse hierarchies. Information and Software Technology, 2022, 143, 106757.	4.4	0
2	Automated, interactive, and traceable domain modelling empowered by artificial intelligence. Software and Systems Modeling, 2022, 21, 1015-1045.	2.7	14
3	A Hitchhiker's Guide to Model-Driven Engineering for Data-Centric Systems. IEEE Software, 2021, 38, 71-84.	1.8	19
4	Towards self-adaptable languages. , 2021, , .		2
5	DoMoBOT: An AI-Empowered Bot for Automated and Interactive Domain Modelling. , 2021, , .		1
6	Comparing and classifying model transformation reuse approaches across metamodels. Software and Systems Modeling, 2020, 19, 441-465.	2.7	10
7	Opportunities in intelligent modeling assistance. Software and Systems Modeling, 2020, 19, 1045-1053.	2.7	37
8	Toward model-driven sustainability evaluation. Communications of the ACM, 2020, 63, 80-91.	4.5	10
9	Towards Web Collaborative Modelling for the User Requirements Notation Using Eclipse Che and Theia IDE. , 2019, , .		6
10	Reusability in goal modeling: A systematic literature review. Information and Software Technology, 2019, 110, 156-173.	4.4	4
11	Reuse (or Lack Thereof) in Travis CI Specifications: An Empirical Study of CI Phases and Commands. , 2019, , .		2
12	Generic Navigation of Model-Based Development Artefacts. , 2019, , .		3
13	Towards Modular Combination and Reuse of Languages with Perspectives. , 2019, , .		1
14	A unifying framework for homogeneous model composition. Software and Systems Modeling, 2019, 18, 3005-3023.	2.7	9
15	Visualizing evolving requirements models with timedURN. , 2018, , .		5
16	Model-Based Development with Distributed Cognition. , 2018, , .		1
17	Domain-Specific Software Language for Crisis Management Systems. , 2018, , .		2
18	Concern-oriented language development (COLD): Fostering reuse in language engineering. Computer Languages, Systems and Structures, 2018, 54, 139-155.	1.4	21

#	Article	IF	Citations
19	Top-Down Evaluation of Reusable Goal Models. Lecture Notes in Computer Science, 2018, , 76-92.	1.3	2
20	Specifying Evolving Requirements Models with TimedURN. , 2017, , .		7
21	Transforming Workflow Models into Automated End-to-End Acceptance Test Cases. , 2017, , .		2
22	Modelling a family of systems for crisis management with concernâ€oriented reuse. Software - Practice and Experience, 2017, 47, 985-999.	3.6	3
23	Evaluation of Goal Models in Reuse Hierarchies with Delayed Decisions. , 2017, , .		2
24	Model-Driven Engineering and Elicitation Techniques: A Systematic Literature Review. , 2016, , .		5
25	Investigation of feature run-time conflicts on goal model-based reuse. Information Systems Frontiers, 2016, 18, 855-875.	6.4	14
26	Evaluation of reusable concern-oriented goal models. , 2015, , .		6
27	Feature modelling and traceability for concern-driven software development with TouchCORE. , 2015, , .		21
28	Synergy between Activity Theory and goal/scenario modeling for requirements elicitation, analysis, and evolution. Information and Software Technology, 2015, 59, 109-135.	4.4	15
29	On the Reuse of Goal Models. Lecture Notes in Computer Science, 2015, , 141-158.	1.3	12
30	Goal modeling for sustainability: The case of time. , 2014, , .		9
31	Creating Quantitative Goal Models: Governmental Experience. Lecture Notes in Computer Science, 2014, , 466-473.	1.3	12
32	Combined propagation-based reasoning with goal and feature models. , 2014, , .		4
33	Combined goal and feature model reasoning with the User Requirements Notation and jUCMNav. , 2014, , .		2
34	The Relevance of Model-Driven Engineering Thirty Years from Now. Lecture Notes in Computer Science, 2014, , 183-200.	1.3	57
35	Transforming regulations into performance models in the context of reasoning for outcome-based compliance. , 2013, , .		8
36	Regulation-Based Dimensional Modeling for Regulatory Intelligence. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
37	An Approach to Specify and Analyze Goal Model Families. Lecture Notes in Computer Science, 2013, , 34-52.	1.3	5
38	Legal requirements analysis and modeling with the measured compliance profile for the goal-oriented requirement language. , 2013, , .		0
39	A vision for generic concern-oriented requirements reuse re@21. , 2013, , .		6
40	Requirements for a modeling language to specify and match business process improvement patterns. , 2013, , .		8
41	Composing Goal and Scenario Models with the Aspect-Oriented User Requirements Notation Based on Syntax and Semantics. , 2013, , 77-99.		5
42	Concern-Oriented Software Design. Lecture Notes in Computer Science, 2013, , 604-621.	1.3	44
43	Towards Advanced Goal Model Analysis with jUCMNav. Lecture Notes in Computer Science, 2012, , 201-210.	1.3	58
44	AoURN-based modeling and analysis of software product lines. Software Quality Journal, 2012, 20, 645-687.	2.2	33
45	Towards outcome-based regulatory compliance in aviation security. , 2012, , .		14
46	Narrowing the gaps in Concern-Driven Development. , 2012, , .		2
47	Drafting and modeling of regulations: Is it being done backwards?. , 2012, , .		4
48	Using the Goal-oriented pattern family framework for modelling outcome-based regulations. , 2012, , .		8
49	Comparing Six Modeling Approaches. Lecture Notes in Computer Science, 2012, , 217-243.	1.3	3
50	Assessing composition in modeling approaches. , 2012, , .		3
51	A Systematic Review and Assessment of Aspect-oriented Methods Applied to Business Process Adaptation. Journal of Software, 2012, 7, .	0.6	5
52	The aspect-oriented user requirements notation. , 2011, , .		9
53	Transformation of aspect-oriented requirements specifications for reactive systems into aspect-oriented design specifications. , 2011, , .		7
54	User Requirements Notation: The First Ten Years, The Next Ten Years (Invited Paper). Journal of Software, 2011, 6, .	0.6	94

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55	Towards a Taxonomy of Syntactic and Semantic Matching Mechanisms for Aspect-Oriented Modeling. Lecture Notes in Computer Science, 2011, , 241-256.	1.3	1
56	Toward an aspect-oriented framework for business process improvement. International Journal of Electronic Business, 2010, 8, 233.	0.4	14
57	Modeling and detecting semantic-based interactions in aspect-oriented scenarios. Requirements Engineering, 2010, 15, 197-214.	3.1	7
58	Evaluating goal models within the goal-oriented requirement language. International Journal of Intelligent Systems, 2010, 25, 841-877.	5.7	200
59	Requirements Modeling with the Aspect-oriented User Requirements Notation (AoURN): A Case Study. Lecture Notes in Computer Science, 2010, , 23-68.	1.3	20
60	A UML Profile for Goal-Oriented Modeling. Lecture Notes in Computer Science, 2009, , 133-148.	1.3	8
61	Semantic-Based Interaction Detection in Aspect-Oriented Scenarios. , 2009, , .		11
62	Assessing the Applicability of Use Case Maps for Business Process and Workflow Description. , 2008, , .		9
63	Visualizing Aspect-Oriented Goal Models with AoGRL. , 2007, , .		21
64	Visualizing Early Aspects with Use Case Maps. , 2007, , 105-143.		25
65	Flexible and Expressive Composition Rules with Aspect-oriented Use Case Maps (AoUCM). , 2007, , 19-38.		12