

Gunter Mussbacher

List of Publications by Year in descending order

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Version: 2024-02-01

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	Evaluating goal models within the goal-oriented requirement language. International Journal of Intelligent Systems, 2010, 25, 841-877.	5.7	200
2	User Requirements Notation: The First Ten Years, The Next Ten Years (Invited Paper). Journal of Software, 2011, 6, .	0.6	94
3	Towards Advanced Goal Model Analysis with jUCMNav. Lecture Notes in Computer Science, 2012, , 201-210.	1.3	58
4	The Relevance of Model-Driven Engineering Thirty Years from Now. Lecture Notes in Computer Science, 2014, , 183-200.	1.3	57
5	Concern-Oriented Software Design. Lecture Notes in Computer Science, 2013, , 604-621.	1.3	44
6	Opportunities in intelligent modeling assistance. Software and Systems Modeling, 2020, 19, 1045-1053.	2.7	37
7	AoURN-based modeling and analysis of software product lines. Software Quality Journal, 2012, 20, 645-687.	2.2	33
8	Visualizing Early Aspects with Use Case Maps. , 2007, , 105-143.		25
9	Visualizing Aspect-Oriented Goal Models with AoGRL. , 2007, , .		21
10	Feature modelling and traceability for concern-driven software development with TouchCORE. , 2015, , .		21
11	Concern-oriented language development (COLD): Fostering reuse in language engineering. Computer Languages, Systems and Structures, 2018, 54, 139-155.	1.4	21
12	Requirements Modeling with the Aspect-oriented User Requirements Notation (AoURN): A Case Study. Lecture Notes in Computer Science, 2010, , 23-68.	1.3	20
13	A Hitchhiker's Guide to Model-Driven Engineering for Data-Centric Systems. IEEE Software, 2021, 38, 71-84.	1.8	19
14	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
15	Toward an aspect-oriented framework for business process improvement. International Journal of Electronic Business, 2010, 8, 233.	0.4	14
16	Towards outcome-based regulatory compliance in aviation security. , 2012, , .		14
17	Investigation of feature run-time conflicts on goal model-based reuse. Information Systems Frontiers, 2016, 18, 855-875.	6.4	14
18	Automated, interactive, and traceable domain modelling empowered by artificial intelligence. Software and Systems Modeling, 2022, 21, 1015-1045.	2.7	14

#	ARTICLE	IF	CITATIONS
19	Creating Quantitative Goal Models: Governmental Experience. Lecture Notes in Computer Science, 2014, , 466-473.	1.3	12
20	On the Reuse of Goal Models. Lecture Notes in Computer Science, 2015, , 141-158.	1.3	12
21	Flexible and Expressive Composition Rules with Aspect-oriented Use Case Maps (AoUCM). , 2007, , 19-38.		12
22	Semantic-Based Interaction Detection in Aspect-Oriented Scenarios. , 2009, , .		11
23	Comparing and classifying model transformation reuse approaches across metamodels. Software and Systems Modeling, 2020, 19, 441-465.	2.7	10
24	Toward model-driven sustainability evaluation. Communications of the ACM, 2020, 63, 80-91.	4.5	10
25	Assessing the Applicability of Use Case Maps for Business Process and Workflow Description. , 2008, , .		9
26	The aspect-oriented user requirements notation. , 2011, , .		9
27	Regulation-Based Dimensional Modeling for Regulatory Intelligence. , 2013, , .		9
28	Goal modeling for sustainability: The case of time. , 2014, , .		9
29	A unifying framework for homogeneous model composition. Software and Systems Modeling, 2019, 18, 3005-3023.	2.7	9
30	A UML Profile for Goal-Oriented Modeling. Lecture Notes in Computer Science, 2009, , 133-148.	1.3	8
31	Using the Goal-oriented pattern family framework for modelling outcome-based regulations. , 2012, , .		8
32	Transforming regulations into performance models in the context of reasoning for outcome-based compliance. , 2013, , .		8
33	Requirements for a modeling language to specify and match business process improvement patterns. , 2013, , .		8
34	Modeling and detecting semantic-based interactions in aspect-oriented scenarios. Requirements Engineering, 2010, 15, 197-214.	3.1	7
35	Transformation of aspect-oriented requirements specifications for reactive systems into aspect-oriented design specifications. , 2011, , .		7
36	Specifying Evolving Requirements Models with TimedURN. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
37	A vision for generic concern-oriented requirements reuse^{re@21}. , 2013, , .		6
38	Evaluation of reusable concern-oriented goal models. , 2015, , .		6
39	Towards Web Collaborative Modelling for the User Requirements Notation Using Eclipse Che and Theia IDE. , 2019, , .		6
40	An Approach to Specify and Analyze Goal Model Families. Lecture Notes in Computer Science, 2013, , 34-52.	1.3	5
41	Model-Driven Engineering and Elicitation Techniques: A Systematic Literature Review. , 2016, , .		5
42	Visualizing evolving requirements models with timedURN. , 2018, , .		5
43	Composing Goal and Scenario Models with the Aspect-Oriented User Requirements Notation Based on Syntax and Semantics. , 2013, , 77-99.		5
44	A Systematic Review and Assessment of Aspect-oriented Methods Applied to Business Process Adaptation. Journal of Software, 2012, 7, .	0.6	5
45	Drafting and modeling of regulations: Is it being done backwards?. , 2012, , .		4
46	Combined propagation-based reasoning with goal and feature models. , 2014, , .		4
47	Reusability in goal modeling: A systematic literature review. Information and Software Technology, 2019, 110, 156-173.	4.4	4
48	Comparing Six Modeling Approaches. Lecture Notes in Computer Science, 2012, , 217-243.	1.3	3
49	Assessing composition in modeling approaches. , 2012, , .		3
50	Modelling a family of systems for crisis management with concernâ€oriented reuse. Software - Practice and Experience, 2017, 47, 985-999.	3.6	3
51	Generic Navigation of Model-Based Development Artefacts. , 2019, , .		3
52	Narrowing the gaps in Concern-Driven Development. , 2012, , .		2
53	Combined goal and feature model reasoning with the User Requirements Notation and jUCMNav. , 2014, , .		2
54	Transforming Workflow Models into Automated End-to-End Acceptance Test Cases. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
55	Evaluation of Goal Models in Reuse Hierarchies with Delayed Decisions. , 2017, , .		2
56	Domain-Specific Software Language for Crisis Management Systems. , 2018, , .		2
57	Top-Down Evaluation of Reusable Goal Models. Lecture Notes in Computer Science, 2018, , 76-92.	1.3	2
58	Reuse (or Lack Thereof) in Travis CI Specifications: An Empirical Study of CI Phases and Commands. , 2019, , .		2
59	Towards self-adaptable languages. , 2021, , .		2
60	Model-Based Development with Distributed Cognition. , 2018, , .		1
61	Towards Modular Combination and Reuse of Languages with Perspectives. , 2019, , .		1
62	Towards a Taxonomy of Syntactic and Semantic Matching Mechanisms for Aspect-Oriented Modeling. Lecture Notes in Computer Science, 2011, , 241-256.	1.3	1
63	DoMoBOT: An AI-Empowered Bot for Automated and Interactive Domain Modelling. , 2021, , .		1
64	Legal requirements analysis and modeling with the measured compliance profile for the goal-oriented requirement language. , 2013, , .		0
65	Layout merging with relative positioning in Concern-Oriented Reuse hierarchies. Information and Software Technology, 2022, 143, 106757.	4.4	0