

Vasco Amaral

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

910
citations

430754

18
h-index

580701

25
g-index

86
all docs

86
docs citations

86
times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	Dealing with Non-Functional Requirements in Model-Driven Development: A Survey. IEEE Transactions on Software Engineering, 2021, 47, 818-835.	4.3	24
2	AgentDSM-Eval: A framework for the evaluation of domain-specific modeling languages for multi-agent systems. Computer Standards and Interfaces, 2021, 76, 103513.	3.8	11
3	Supporting the Engineering of Multi-Fidelity Simulation Units With Simulation Goals. , 2021, , .		0
4	Programming languages for data-intensive HPC applications: A systematic mapping study. Parallel Computing, 2020, 91, 102584.	1.3	19
5	Enhancing Occupants Comfort and Well-being through a Smart Office setup. , 2020, , .		3
6	Improving the Usability of a MAS DSML. Lecture Notes in Computer Science, 2019, , 55-75.	1.0	4
7	Using Gamification to Motivate Occupants to Energy Efficiency in a Social Setting of a Building Automation System. , 2019, , .		1
8	Multi-paradigm deception modeling for cyber defense. Journal of Systems and Software, 2018, 141, 32-51.	3.3	4
9	Semantic languages for developing correct language translations. Software Quality Journal, 2018, 26, 417-453.	1.4	2
10	Usability driven DSL development with USE-ME. Computer Languages, Systems and Structures, 2018, 51, 118-157.	1.4	28
11	Leveraging teenagers feedback in the development of a domain-specific language. , 2018, , .		4
12	Evaluating the efficiency of using a search-based automated model merge technique. , 2018, , .		1
13	Improving the Developer Experience with a Low-Code Process Modelling Language. , 2018, , .		17
14	A building automation case study setup and challenges. , 2018, , .		2
15	Developing a mutually-recognized cross-domain study program in cyber-physical systems. , 2017, , .		15
16	A requirements engineering approach for usability-driven DSL development. , 2017, , .		2
17	Energy behaviour engagement in smart urban environments. Energy Procedia, 2017, 142, 2080-2088.	1.8	2
18	Special issue on quality in model-driven engineering. Software Quality Journal, 2016, 24, 597-599.	1.4	1

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19	Goal-Driven Deception Tactics Design. , 2016, , .		6
20	Exploring Views for Goal-Oriented Requirements Comprehension. Lecture Notes in Computer Science, 2016, , 149-163.	1.0	5
21	Quality in model-driven engineering: a tertiary study. Software Quality Journal, 2016, 24, 601-633.	1.4	22
22	On the Emergence of Patterns for Spreadsheets Data Arrangements. Lecture Notes in Computer Science, 2016, , 333-345.	1.0	4
23	Handling non-functional requirements in Model-Driven Development: An ongoing industrial survey. , 2015, , .		10
24	Classification of Model Transformation Tools: Pattern Matching Techniques. Lecture Notes in Computer Science, 2014, , 619-635.	1.0	5
25	Evaluating the Usability of Domain-Specific Languages. , 2014, , 2120-2141.		10
26	Exploring WebRTC Technology for Enhanced Real-Time Services. Advances in Intelligent Systems and Computing, 2014, , 43-52.	0.5	3
27	Advanced modularity for building SPL feature models. , 2013, , .		5
28	Foreword: Quality in model driven engineering. , 2012, , .		0
29	The RPG DSL. , 2012, , .		11
30	Model-Driven Development for Requirements Engineering: The Case of Goal-Oriented Approaches. , 2012, , .		10
31	Towards a Robust Solution in Building Automation Systems: Supporting Rapid Prototyping and Analysis. , 2012, , .		2
32	Usability Evaluation of Domain-Specific Languages. , 2012, , .		25
33	Summary of the Workshop on Multi-Paradigm Modelling: Concepts and Tools. Lecture Notes in Computer Science, 2012, , 83-88.	1.0	1
34	Towards a Unified Goal-Oriented Language. , 2011, , .		6
35	SmartLink: A hierarchical approach for connecting smart buildings to smart grids. , 2011, , .		8
36	Quality in use of domain-specific languages. , 2011, , .		27

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37	The case for a systematic development of Building Automation Systems. , 2011, , .		3
38	DSLTrans: A Turing Incomplete Transformation Language. Lecture Notes in Computer Science, 2011, , 296-305.	1.0	14
39	Supporting Consistency Checking between Features and Software Product Line Use Scenarios. Lecture Notes in Computer Science, 2011, , 20-35.	1.0	8
40	Summary of the Workshop on Multi-Paradigm Modelling: Concepts and Tools. Lecture Notes in Computer Science, 2011, , 274-278.	1.0	0
41	The VisualAORE DSL. , 2010, , .		2
42	Developing domain-specific modeling languages by metamodel semantic enrichment and composition. , 2010, , .		5
43	Mdgore: Towards Model-Driven and Goal-Oriented Requirements Engineering. , 2010, , .		6
44	Multi-view Composition Language for Software Product Line Requirements. Lecture Notes in Computer Science, 2010, , 103-122.	1.0	20
45	A Technique for Automatic Validation of Model Transformations. Lecture Notes in Computer Science, 2010, , 136-150.	1.0	22
46	Production of the charmonium states χ_{c1} and χ_{c2} . Physical Review D, 2009, 79, .	1.6	21
47	Detecting feature interactions in SPL requirements analysis models. , 2009, , .		10
48	Angular distributions of leptons from J/ψ produced in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 517-524.	1.4	32
49	Kinematic distributions and nuclear effects of J/ψ production in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 525-542.	1.4	64
50	$\Upsilon(0)$ production in p+A collisions at $\sqrt{s}=41.6$ GeV. European Physical Journal C, 2009, 61, 207-221.	1.4	3
51	Towards a Domain Specific Language for a Goal-Oriented approach based on KAOS. , 2009, , .		9
52	Composing Visual Syntax for Domain Specific Languages. Lecture Notes in Computer Science, 2009, , 889-898.	1.0	10
53	A Language and a Methodology for Prototyping User Interfaces for Control Systems. Lecture Notes in Computer Science, 2009, , 221-248.	1.0	4
54	A DOMAIN SPECIFIC LANGUAGE FOR THE I* FRAMEWORK. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
55	Designing a DSL Solution for the Domain of Augmented Reality Software Applications Specification. Lecture Notes in Computer Science, 2009, , 423-434.	1.0	1
56	Generating Requirements Analysis Models from Textual Requirements. , 2008, , .		7
57	Towards the application of a model based design methodology for reliable control systems on HEP experiments. , 2008, , .		0
58	Towards a full implementation of a robust solution of a domain specific visual query language for HEP physics analysis. Journal of Physics: Conference Series, 2008, 119, 042027.	0.3	1
59	Towards a full implementation of a robust solution of a domain specific visual query language for HEP physics analysis. , 2007, , .		0
60	Bottom production cross section from double muonic decays of b-flavoured hadrons in 920 GeV proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 103-110.	1.5	3
61	A Measurement of the $\tilde{\chi}^0$ to J/ψ production ratio in 920 GeV proton-nucleus interactions. European Physical Journal C, 2007, 49, 545-558.	1.4	43
62	K^0 and J/ψ meson production in proton-nucleus interactions at $\sqrt{s}=41.6\text{ext}\{\text{GeV}\}$. European Physical Journal C, 2007, 50, 315-328.	1.4	28
63	Measurement of D^0 , D^+ , D_s^+ and D^{*+} production in fixed target 920 GeV proton-nucleus collisions. European Physical Journal C, 2007, 52, 531-542.	1.4	33
64	Luminosity determination at HERA-B. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 401-412.	0.7	3
65	Measurement of the $\tilde{\chi}^0$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 13-21.	1.5	20
66	Measurement of the $\tilde{\chi}^0$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 13-21.	1.5	7
67	Improved measurement of the $\tilde{\chi}^0$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physical Review D, 2006, 73, .	1.5	20
68	Improved measurement of the $\tilde{\chi}^0$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physical Review D, 2006, 73, .	1.6	14
69	Charm, beauty and charmonium production at HERA-B. European Physical Journal C, 2005, 43, 179-186.	1.4	28
70	Limits for the Central Production of $\tilde{\chi}^0$ and $\tilde{\chi}^{\pm}$ -Pentaquarks in 920-GeV pA Collisions. Physical Review Letters, 2004, 93, 212003.	2.9	70
71	Engineering a new abstraction layer to optimize the HEP analysis process. IEEE Transactions on Nuclear Science, 2004, 51, 1441-1448.	1.5	7
72	Engineering a new abstraction layer to optimize the HEP analysis process. IEEE Transactions on Nuclear Science, 2004, 51, 1441-1448.	1.2	1

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73	PHEASANT: A Physicist's Easy Analysis Tool. Lecture Notes in Computer Science, 2004, , 229-242.	1.0	3
74	Measurement of the $\sigma_{\text{b}}^{\text{b}}$ production cross section in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2003, 26, 345-355.	1.4	23
75	Inclusive V production cross sections from 920 GeV fixed target proton-nucleus collisions. European Physical Journal C, 2003, 29, 181-190.	1.4	15
76	J/ψ production via Υ decays in 920 GeV pA interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 61-72.	1.5	29
77	The HERA-B database services. Computer Physics Communications, 2001, 140, 172-178.	3.0	4
78	Formally Specifying the Syntax and Semantics of a Visual Query Language for the Domain of High Energy Physics Data Analysis. , 0, , .		2
79	Evaluating the Usability of Domain-Specific Languages. , 0, , 386-407.		5
80	Model-Driven Requirements Specification for Software Product Lines. , 0, , 369-386.		1