

# Vasco Amaral

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8996174/publications.pdf>

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	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
2	Kinematic distributions and nuclear effects of $J/\psi$ production in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 525-542.	1.4	64
3	A Measurement of the $\tilde{\chi}^0$ to $J/\psi$ production ratio in 920 GeV proton-nucleus interactions. European Physical Journal C, 2007, 49, 545-558.	1.4	43
4	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
5	Angular distributions of leptons from $J/\psi$ produced in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 517-524.	1.4	32
6	$J/\psi$ production via $\tilde{\chi}^0$ decays in 920 GeV pA interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 61-72.	1.5	29
7	Charm, beauty and charmonium production at HERA-B. European Physical Journal C, 2005, 43, 179-186.	1.4	28
8	$K^0$ and $\tilde{\chi}^0$ 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
9	Usability driven DSL development with USE-ME. Computer Languages, Systems and Structures, 2018, 51, 118-157.	1.4	28
10	Quality in use of domain-specific languages. , 2011, , .		27
11	Usability Evaluation of Domain-Specific Languages. , 2012, , .		25
12	Dealing with Non-Functional Requirements in Model-Driven Development: A Survey. IEEE Transactions on Software Engineering, 2021, 47, 818-835.	4.3	24
13	Measurement of the $\tilde{\chi}^0$ production cross section in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2003, 26, 345-355.	1.4	23
14	Quality in model-driven engineering: a tertiary study. Software Quality Journal, 2016, 24, 601-633.	1.4	22
15	A Technique for Automatic Validation of Model Transformations. Lecture Notes in Computer Science, 2010, , 136-150.	1.0	22
16	Production of the charmonium states $\tilde{\chi}^0$ $\tilde{\chi}^\pm$ proton nucleus interactions at $\tilde{\chi}^0$ $\tilde{\chi}^\pm$ Physical Review L, 2009, 79	1.6	21
17	Polarization of $\tilde{\chi}^0$ and $\tilde{\chi}^\pm$ $\tilde{\chi}^0$ $\tilde{\chi}^\pm$	1.5	20
18		1.5	20

#	ARTICLE	IF	CITATIONS
19	Multi-view Composition Language for Software Product Line Requirements. Lecture Notes in Computer Science, 2010, , 103-122.	1.0	20
20	Programming languages for data-Intensive HPC applications: A systematic mapping study. Parallel Computing, 2020, 91, 102584.	1.3	19
21	Improving the Developer Experience with a Low-Code Process Modelling Language. , 2018, , .		17
22	Inclusive V production cross sections from 920 GeV fixed target proton-nucleus collisions. European Physical Journal C, 2003, 29, 181-190.	1.4	15
23	Developing a mutually-recognized cross-domain study program in cyber-physical systems. , 2017, , .		15
24	Improved measurement of the $b\bar{b}$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physical Review D, 2006, 73, .	1.6	14
25	DSLTrans: A Turing Incomplete Transformation Language. Lecture Notes in Computer Science, 2011, , 296-305.	1.0	14
26	The RPG DSL. , 2012, , .		11
27	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
28	Detecting feature interactions in SPL requirements analysis models. , 2009, , .		10
29	Model-Driven Development for Requirements Engineering: The Case of Goal-Oriented Approaches. , 2012, , .		10
30	Handling non-functional requirements in Model-Driven Development: An ongoing industrial survey. , 2015, , .		10
31	Composing Visual Syntax for Domain Specific Languages. Lecture Notes in Computer Science, 2009, , 889-898.	1.0	10
32	Evaluating the Usability of Domain-Specific Languages. , 2014, , 2120-2141.		10
33	Towards a Domain Specific Language for a Goal-Oriented approach based on KAOS. , 2009, , .		9
34	SmartLink: A hierarchical approach for connecting smart buildings to smart grids. , 2011, , .		8
35	Supporting Consistency Checking between Features and Software Product Line Use Scenarios. Lecture Notes in Computer Science, 2011, , 20-35.	1.0	8
36	Search for the flavor-changing neutral current decay $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="htt. Physics Letters, Sectio$	1.5	7

#	ARTICLE	IF	CITATIONS
37	Measurement of the $\bar{t}$ 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
38	Generating Requirements Analysis Models from Textual Requirements. , 2008, , .		7
39	Mdgre: Towards Model-Driven and Goal-Oriented Requirements Engineering. , 2010, , .		6
40	Towards a Unified Goal-Oriented Language. , 2011, , .		6
41	Goal-Driven Deception Tactics Design. , 2016, , .		6
42	Developing domain-specific modeling languages by metamodel semantic enrichment and composition. , 2010, , .		5
43	Advanced modularity for building SPL feature models. , 2013, , .		5
44	Exploring Views for Goal-Oriented Requirements Comprehension. Lecture Notes in Computer Science, 2016, , 149-163.	1.0	5
45	Classification of Model Transformation Tools: Pattern Matching Techniques. Lecture Notes in Computer Science, 2014, , 619-635.	1.0	5
46	Evaluating the Usability of Domain-Specific Languages. , 0, , 386-407.		5
47	The HERA-B database services. Computer Physics Communications, 2001, 140, 172-178.	3.0	4
48	Multi-paradigm deception modeling for cyber defense. Journal of Systems and Software, 2018, 141, 32-51.	3.3	4
49	Leveraging teenagers feedback in the development of a domain-specific language. , 2018, , .		4
50	Improving the Usability of a MAS DSML. Lecture Notes in Computer Science, 2019, , 55-75.	1.0	4
51	A Language and a Methodology for Prototyping User Interfaces for Control Systems. Lecture Notes in Computer Science, 2009, , 221-248.	1.0	4
52	On the Emergence of Patterns for Spreadsheets Data Arrangements. Lecture Notes in Computer Science, 2016, , 333-345.	1.0	4
53	PHEASANT: A Physicist's Easy Analysis Tool. Lecture Notes in Computer Science, 2004, , 229-242.	1.0	3
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	V0 production in p+A collisions at $\sqrt{s}=41.6$ GeV. European Physical Journal C, 2009, 61, 207-221.	1.4	3
57	The case for a systematic development of Building Automation Systems. , 2011, , .		3
58	Exploring WebRTC Technology for Enhanced Real-Time Services. Advances in Intelligent Systems and Computing, 2014, , 43-52.	0.5	3
59	Enhancing Occupants Comfort and Well-being through a Smart Office setup. , 2020, , .		3
60	Formally Specifying the Syntax and Semantics of a Visual Query Language for the Domain of High Energy Physics Data Analysis. , 0, , .		2
61	The VisualAORE DSL. , 2010, , .		2
62	Towards a Robust Solution in Building Automation Systems: Supporting Rapid Prototyping and Analysis. , 2012, , .		2
63	A requirements engineering approach for usability-driven DSL development. , 2017, , .		2
64	Energy behaviour engagement in smart urban environments. Energy Procedia, 2017, 142, 2080-2088.	1.8	2
65	Semantic languages for developing correct language translations. Software Quality Journal, 2018, 26, 417-453.	1.4	2
66	A building automation case study setup and challenges. , 2018, , .		2
67	Engineering a new abstraction layer to optimize the HEP analysis process. IEEE Transactions on Nuclear Science, 2004, 51, 1441-1448.	1.2	1
68	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
69	Special issue on quality in model-driven engineering. Software Quality Journal, 2016, 24, 597-599.	1.4	1
70	Evaluating the efficiency of using a search-based automated model merge technique. , 2018, , .		1
71	Using Gamification to Motivate Occupants to Energy Efficiency in a Social Setting of a Building Automation System. , 2019, , .		1
72	Model-Driven Requirements Specification for Software Product Lines. , 0, , 369-386.		1

#	ARTICLE	IF	CITATIONS
73	A DOMAIN SPECIFIC LANGUAGE FOR THE I* FRAMEWORK. , 2009, , .		1
74	Designing a DSL Solution for the Domain of Augmented Reality Software Applications Specification. Lecture Notes in Computer Science, 2009, , 423-434.	1.0	1
75	Summary of the Workshop on Multi-Paradigm Modelling: Concepts and Tools. Lecture Notes in Computer Science, 2012, , 83-88.	1.0	1
76	Towards a full implementation of a robust solution of a domain specific visual query language for HEP physics analysis. , 2007, , .		0
77	Towards the application of a model based design methodology for reliable control systems on HEP experiments. , 2008, , .		0
78	Foreword: Quality in model driven engineering. , 2012, , .		0
79	Summary of the Workshop on Multi-Paradigm Modelling: Concepts and Tools. Lecture Notes in Computer Science, 2011, , 274-278.	1.0	0
80	Supporting the Engineering of Multi-Fidelity Simulation Units With Simulation Goals. , 2021, , .		0