

João Paulo Barros

List of Publications by Year in descending order

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44
papers

438
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45
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163
citing authors

#	ARTICLE	IF	CITATIONS
1	IOPT-Tools “ From Executable Models to Automatic Code Generation for Embedded Controllers Development. Lecture Notes in Computer Science, 2022, , 127-138.	1.3	6
2	From non-autonomous Petri net models to executable state machines. , 2019, , .		2
3	Bibliometric Analysis of 50 Years of IEEE Industrial Electronics Society Publications. , 2018, , .		0
4	Refining IOPT Petri Nets Class for Embedded System Controller Modeling. , 2018, , .		10
5	Students’ Perceptions of Paper-Based vs. Computer-Based Testing in an Introductory Programming Course. , 2018, , .		5
6	Student perspectives on the use of a Java library for novices. , 2017, , .		0
7	Towards automatic code generation for distributed cyber-physical systems: A first prototype for Arduino boards. , 2017, , .		5
8	Exploring USB Connection Vulnerabilities on Android Devices - Breaches using the Android Debug Bridge. , 2017, , .		3
9	Assessment rules and student cheating: A set of concerns as guidelines. , 2016, , .		3
10	From requirements to code (Re2Code) “ A model-based approach for controller implementation. , 2016, , .		1
11	Controller design and implementation: An approach based on problem frames and Petri Net models. , 2015, , .		3
12	Requirements specification for controller design “ From use cases to IOPT net models. , 2014, , .		2
13	Towards the use of Place/Transition net tools for analysis of IOPT models. , 2014, , .		0
14	From SysML State Machines to Petri Nets Using ATL Transformations. IFIP Advances in Information and Communication Technology, 2014, , 227-236.	0.7	2
15	Curricular unit specification for programme assessment: Fostering teacher reflection, while improving course catalogues. , 2013, , .		0
16	Coloured Petri net model of the bCMS system using CPN tools. , 2013, , .		2
17	A Proposal for the Description of Individual Course Units. International Journal of Engineering Pedagogy, 2013, 3, 71.	1.1	3
18	Educating for mobile computing. , 2012, , .		23

#	ARTICLE	IF	CITATIONS
19	On the verification of non-autonomous Petri net models using autonomous petri net tools. , 2012, , .		1
20	Towards a complete description for individual course units: A follow-up to the Bologna proposals. , 2012, , .		0
21	Model composition by reusing Petri net based modules. , 2012, , .		0
22	From UML state machines to Petri nets: History attribute translation strategies. , 2011, , .		8
23	An Ecore based Petri net type definition for PNML IOPT models. , 2011, , .		10
24	Java2Sequence. , 2011, , .		1
25	Towards Statecharts to Input-Output Place Transition Nets Transformations. International Federation for Information Processing, 2011, , 227-236.	0.4	7
26	Petri Net Based Specification and Verification of Globally-Asynchronous-Locally-Synchronous System. International Federation for Information Processing, 2011, , 237-245.	0.4	6
27	SysVeritas: A Framework for Verifying IOPT Nets and Execution Semantics within Embedded Systems Design. International Federation for Information Processing, 2011, , 256-265.	0.4	7
28	Ecore representation for extending PNML for Input-Output Place-Transition nets. , 2010, , .		14
29	From Petri net models to C implementation of digital controllers. , 2010, , .		12
30	Assessment and grading for CS1. , 2010, , .		6
31	PNML based composition in non-autonomous Petri net models. , 2009, , .		0
32	Petri nets tools framework supporting FPGA-based controller implementations. , 2008, , .		19
33	Petri Net based Building Automation and Monitoring System. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	6
34	From Petri net models to VHDL implementation of digital controllers. , 2007, , .		45
35	The Input-Output Place-Transition Petri Net Class and Associated Tools. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	98
36	A graphical editor for the input-output place-transition petri net class. , 2007, , .		12

#	ARTICLE	IF	CITATIONS
37	Structuring and Composability Issues in Petri Nets Modeling. IEEE Transactions on Industrial Informatics, 2005, 1, 112-123.	11.3	70
38	Structuring Mechanisms in Petri Net Models. , 2005, , 153-166.		10
39	Addition of fault detection capabilities in automation applications using Petri nets. , 2004, , .		2
40	On the Use of Coloured Petri Nets for Object-Oriented Design. Lecture Notes in Computer Science, 2004, , 117-136.	1.3	2
41	Implementation of a Non-Autonomous High-Level Petri Net Model for Reactive Real-Time Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 397-402.	0.4	1
42	On structuring mechanisms for Petri nets based system design. , 0, , .		18
43	Modifying Petri net models by means of crosscutting operations. , 0, , .		12
44	Merging and Splitting Petri Net Models within Distributed Embedded Controller Design. , 0, , 160-183.		1