Janos Sztipanovits

List of Publications by Year
in descending order

19 papers	629 citations	1039406 9 h-index	1199166 12 g-index
20 all docs	20 docs citations	20 times ranked	527 citing authors

#	Article	IF	Citations
1	Toward a Science of Cyber–Physical System Integration. Proceedings of the IEEE, 2012, 100, 29-44.	16.4	247
2	Constraint-Based Design-Space Exploration and Model Synthesis. Lecture Notes in Computer Science, 2003, , 290-305.	1.0	60
3	SURE: A Modeling and Simulation Integration Platform for Evaluation of Secure and Resilient Cyber–Physical Systems. Proceedings of the IEEE, 2018, 106, 93-112.	16.4	55
4	Formalizing the structural semantics of domain-specific modeling languages. Software and Systems Modeling, 2009, 8, 451-478.	2.2	52
5	OpenMETA: A Model- and Component-Based Design Tool Chain for Cyber-Physical Systems. Lecture Notes in Computer Science, 2014, , 235-248.	1.0	42
6	Model and Tool Integration Platforms for Cyber–Physical System Design. Proceedings of the IEEE, 2018, 106, 1501-1526.	16.4	34
7	Metamodeling: An Emerging Representation Paradigm for System-Level Design. IEEE Design and Test of Computers, 2009, 26, 54-69.	1.4	32
8	Model-integrated Tools for the Design of Dynamically Reconfigurable Systems. VLSI Design, 2000, 10, 281-306.	0.5	29
9	Specification of Cyber-Physical Components with Formal Semantics – Integration and Composition. Lecture Notes in Computer Science, 2013, , 471-487.	1.0	20
10	Model-based design for CPS with learning-enabled components. , 2019, , .		15
11	Efficient Integration of Web Services in Ambient-aware Sensor Network Applications. , 2006, , .		13
12	A comparative, sociotechnical design perspective on Responsible Innovation: multidisciplinary research and education on digitized energy and Automated Vehicles. Journal of Responsible Innovation, 2021, 8, 421-444.	2.3	8
13	Cyber Physical Systems – Convergence of Physical and Information Sciences. IT - Information Technology, 2012, 54, 257-265.	0.6	6
14	Science of design for societal-scale cyber-physical systems: challenges and opportunities. Cyber-Physical Systems, 2019, 5, 145-172.	1.6	6
15	CPS Design with Learning-Enabled Components. , 2019, , .		5
16	Compositional Specification of Behavioral Semantics. , 2008, , 253-265.		4
17	PaNeCS: A modeling language for passivity-based design of networked control systems. , 2011, , .		1
18	Semantic Integration Platform for Cyber-Physical System Design. , 2019, , .		0

2

#	ARTICLE	IF	CITATIONS
19	Differential-FORMULA: towards a semantic backplane for incremental modeling. , 2021, , .		0