

# Janos Sztipanovits

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

450  
citations

9  
h-index

20  
g-index

20  
ext. papers

546  
ext. citations

4.6  
avg, IF

3.16  
L-index

#	Paper	IF	Citations
18	Cyber-Physical Vulnerability Analysis of IoT Applications Using Multi-Modeling <b>2020</b> , 161-184		
17	Science of design for societal-scale cyber-physical systems: challenges and opportunities. <i>Cyber-Physical Systems</i> , <b>2019</b> , 5, 145-172	1.1	2
16	Model-based design for CPS with learning-enabled components <b>2019</b> ,		7
15	CPS Design with Learning-Enabled Components <b>2019</b> ,		3
14	. <i>Proceedings of the IEEE</i> , <b>2018</b> , 106, 93-112	14.3	38
13	Model and Tool Integration Platforms for CyberPhysical System Design. <i>Proceedings of the IEEE</i> , <b>2018</b> , 106, 1501-1526	14.3	18
12	OpenMETA: A Model- and Component-Based Design Tool Chain for Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 235-248	0.9	25
11	Specification of Cyber-Physical Components with Formal Semantics Integration and Composition. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 471-487	0.9	15
10	Toward a Science of CyberPhysical System Integration. <i>Proceedings of the IEEE</i> , <b>2012</b> , 100, 29-44	14.3	203
9	Cyber Physical Systems Convergence of Physical and Information Sciences. <i>IT - Information Technology</i> , <b>2012</b> , 54, 257-265	0.4	5
8	PaNeCS: A modeling language for passivity-based design of networked control systems <b>2011</b> ,		1
7	Formalizing the structural semantics of domain-specific modeling languages. <i>Software and Systems Modeling</i> , <b>2009</b> , 8, 451-478	1.9	37
6	Metamodeling: An Emerging Representation Paradigm for System-Level Design. <i>IEEE Design and Test of Computers</i> , <b>2009</b> , 26, 54-69		26
5	Compositional Specification of Behavioral Semantics <b>2008</b> , 253-265		4
4	Efficient Integration of Web Services in Ambient-aware Sensor Network Applications <b>2006</b> ,		9
3	Constraint-Based Design-Space Exploration and Model Synthesis. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 290-305	0.9	40
2	Model-integrated Tools for the Design of Dynamically Reconfigurable Systems. <i>VLSI Design</i> , <b>2000</b> , 10, 281-306		17

- 1 A comparative, sociotechnical design perspective on Responsible Innovation: multidisciplinary research and education on digitized energy and Automated Vehicles. *Journal of Responsible Innovation*,1-24 2.1 ○