

# Andrei Karatkevich

## List of Publications by Year in Descending Order

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**Version:** 2024-04-18

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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.

15  
papers

82  
citations

6  
h-index

8  
g-index

22  
ext. papers

135  
ext. citations

3.8  
avg, IF

2.9  
L-index

#	Paper	IF	Citations
15	Challenges in Application of Petri Nets in Manufacturing Systems. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2305	2.6	2
14	Determinism in Cyber-Physical Systems Specified by Interpreted Petri Nets. <i>Sensors</i> , <b>2020</b> , 20,	3.8	8
13	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 3592-3597	7.3	6
12	Decomposition of distributed edge systems based on the Petri nets and linear algebra technique. <i>Journal of Systems Architecture</i> , <b>2019</b> , 96, 20-31	5.5	6
11	Prototyping of Concurrent Control Systems With Application of Petri Nets and Comparability Graphs. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 575-586	4.8	22
10	Petri Nets in Design of Control Algorithms. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 1-14	0.8	0
9	Relation between SM-covers and SM-decompositions of Petri nets <b>2015</b> ,		2
8	FPGA-based embedded Logic Controllers <b>2014</b> ,		4
7	Deadlock detection in Petri nets: One trace for one deadlock? <b>2014</b> ,		9
6	Application of comparability graphs in decomposition of Petri nets <b>2014</b> ,		11
5	Detection of Possible Frozen States in Communicating UML State Machines. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 198-203		
4	On macroplaces in Petri nets <b>2008</b> ,		6
3	Hierarchical Decomposition of Petri Nets for Digital Microsystems Design <b>2006</b> ,		2
2	Memory-Saving Analysis of Petri Nets <b>2005</b> , 63-72		
1	A Method of Analysis of Operational Petri Nets <b>2002</b> , 449-460		1