Mohamed Khalgui

List of Publications by Year
in descending order

181	2,103	304368	276539
papers	citations	22 h-index	41 g-index

188	188	188	1103
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of a Maximally Permissive Liveness- Enforcing Petri Net Supervisor for Flexible Manufacturing Systems. IEEE Transactions on Automation Science and Engineering, 2011, 8, 374-393.	3.4	237
2	Micro Air Vehicle Link (MAVlink) in a Nutshell: A Survey. IEEE Access, 2019, 7, 87658-87680.	2.6	158
3	Reconfigurable Coordination of Distributed Discrete Event Control Systems. IEEE Transactions on Control Systems Technology, 2015, 23, 323-330.	3.2	108
4	Dynamic Low-Power Reconfiguration of Real-Time Systems With Periodic and Probabilistic Tasks. IEEE Transactions on Automation Science and Engineering, 2015, 12, 258-271.	3.4	107
5	Dronemap Planner: A service-oriented cloud-based management system for the Internet-of-Drones. Ad Hoc Networks, 2019, 86, 46-62.	3.4	74
6	RWiN: New Methodology for the Development of Reconfigurable WSN. IEEE Transactions on Automation Science and Engineering, 2017, 14, 109-125.	3.4	56
7	R-TNCES: A Novel Formalism for Reconfigurable Discrete Event Control Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 757-772.	5.9	53
8	Digital Twin Based Real-time Production Logistics Synchronization System in a Multi-level Computing Architecture. Journal of Manufacturing Systems, 2021, 58, 246-260.	7.6	49
9	Reconfiguration of Distributed Embedded-Control Systems. IEEE/ASME Transactions on Mechatronics, 2011, 16, 684-694.	3.7	47
10	Qualitative and Quantitative Risk Analysis and Safety Assessment of Unmanned Aerial Vehicles Missions Over the Internet. IEEE Access, 2019, 7, 53392-53410.	2.6	46
11	UTM-Chain: Blockchain-Based Secure Unmanned Traffic Management for Internet of Drones. Sensors, 2021, 21, 3049.	2.1	45
12	Dual mode for vehicular platoon safety: Simulation and formal verification. Information Sciences, 2017, 402, 216-232.	4.0	44
13	Multiagent Framework for Smart Grids Recovery. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1284-1300.	5.9	43
14	MAVSec: Securing the MAVLink Protocol for Ardupilot/PX4 Unmanned Aerial Systems. , 2019, , .		43
15	Improved Multi-Step Look-Ahead Control Policies for Automated Manufacturing Systems. IEEE Access, 2018, 6, 68824-68838.	2.6	41
16	Multiobjective Optimization Approach for a Portable Development of Reconfigurable Real-Time Systems: From Specification to Implementation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 623-637.	5.9	40
17	Reconfigurable Multiagent Embedded Control Systems: From Modeling to Implementation. IEEE Transactions on Computers, 2011, 60, 538-551.	2.4	39
18	New Power-Oriented Methodology for Dynamic Resizing and Mobility of Reconfigurable Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1120-1130.	5.9	35

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19	R-Node: New Pipelined Approach for an Effective Reconfigurable Wireless Sensor Node. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 892-905.	5.9	32
20	Reconfiguration Protocol for Multi-Agent Control Software Architectures. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 70-80.	3.3	26
21	Modeling and Verification of Reconfigurable and Energy-Efficient Manufacturing Systems. Discrete Dynamics in Nature and Society, 2015, 2015, 1-14.	0.5	26
22	Performance evaluation of vehicular platoons using Webots. IET Intelligent Transport Systems, 2017, 11, 441-449.	1.7	23
23	R-Codesign: Codesign Methodology for Real-Time Reconfigurable Embedded Systems Under Energy Constraints. IEEE Access, 2018, 6, 14078-14092.	2.6	23
24	NCES-based modelling and CTL-based verification of reconfigurable embedded control systems. Computers in Industry, 2010, 61, 198-212.	5.7	22
25	Deadlock Prevention for a Class of Petri Nets With Uncontrollable and Unobservable Transitions. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 727-738.	3.4	22
26	Multi-agent oriented solution for forecasting-based control strategy with load priority of microgrids in an island mode â€“ Case study: Tunisian petroleum platform. Electric Power Systems Research, 2017, 152, 411-423.	2.1	22
27	Multiagent Architecture for Distributed Adaptive Scheduling of Reconfigurable Real-Time Tasks With Energy Harvesting Constraints. IEEE Access, 2018, 6, 2068-2084.	2.6	22
28	Intelligent distributed control systems. Information and Software Technology, 2010, 52, 1259-1271.	3.0	20
29	BROMETH: Methodology to design safe reconfigurable medical robotic systems. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1786.	1.2	20
30	Reconfiguration-based methodology for improving recovery performance of faults in smart grids. Information Sciences, 2018, 454-455, 73-95.	4.0	20
31	Multi-Agent Adaptive Architecture for Flexible Distributed Real-Time Systems. IEEE Access, 2018, 6, 23152-23171.	2.6	16
32	On Methodology for the Verification of Reconfigurable Timed Net Condition/Event Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3577-3591.	5.9	14
33	An IEC61499-based development approach for distributed industrial control applications. International Journal of Modelling, Identification and Control, 2008, 4, 186.	0.2	13
34	Improved Multi-Core Real-Time Task Scheduling of Reconfigurable Systems With Energy Constraints. IEEE Access, 2020, 8, 95698-95713.	2.6	13
35	Feasible Automatic Reconfigurations of Real-Time OS Tasks. Advances in Civil and Industrial Engineering Book Series, 2012, , 390-414.	0.2	13
36	An optimised simulation of component-based embedded systems in manufacturing industry. International Journal of Simulation and Process Modelling, 2008, 4, 148.	0.1	12

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37	Combining Semi-Formal and Formal Methods for the Development of Distributed Reconfigurable Control Systems. IEEE Access, 2018, 6, 70426-70443.	2.6	12
38	Toward a New Methodology for an Efficient Test of Reconfigurable Hardware Systems. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1864-1882.	3.4	12
39	Efficient Allocation Strategy of Energy Storage Systems in Power Grids Considering Contingencies. IEEE Access, 2019, 7, 186378-186392.	2.6	12
40	Energy-Efficient Scheduling of Real-Time Tasks in Reconfigurable Homogeneous Multicore Platforms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5092-5105.	5.9	11
41	One-Step Control-Ahead Approach for the Design of an Optimal Petri-Net Based Deadlock Prevention Policy. IEEE Access, 2018, 6, 34307-34323.	2.6	10
42	On Feasibility of Multichannel Reconfigurable Wireless Sensor Networks Under Real-Time and Energy Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-16.	5.9	10
43	Designing Efficient Reconfigurable Control Systems Using IEC61499 and Symbolic Model Checking. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1110-1124.	3.4	10
44	Automatic NCES-based specification and SESA-based verification of feasible control components in benchmark production systems. International Journal of Modelling, Identification and Control, 2011, 12, 223.	0.2	8
45	Automatic supervisory control for the selfâ€healing of smart grids based on colored Petri nets. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 1612-1623.	0.8	8
46	Source Resizing and Improved Power Distribution for High Available Island Microgrid: <italic>A Case Study on a Tunisian Petroleum Platform</italic>. IEEE Access, 2019, 7, 22856-22871.	2.6	8
47	Performance Optimization of Reconfigurable Real-Time Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2623-2637.	5.9	8
48	Scheduling periodic and aperiodic tasks with time, energy harvesting and precedence constraints on multi-core systems. Information Sciences, 2020, 520, 86-104.	4.0	8
49	GR-TNCES: New Extensions of R-TNCES for Modelling and Verification of Flexible Systems under Energy and Memory Constraints. , 2015, , .		8
50	Coherence and Feasibility of Real-Time Software Tasks in Networked Adaptive Systems. IEEE Access, 2018, 6, 35824-35843.	2.6	7
51	On Hierarchical Construction of the State Space of an Automated Manufacturing System Modeled With Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3613-3627.	5.9	7
52	Runtime Reconfigurations of Embedded Controllers. Transactions on Embedded Computing Systems, 2013, 12, 1-23.	2.1	7
53	A Novel Hierarchical Multi-Agent Architecture for Automatic Restoration of Smart Grids. International Journal of Control and Automation, 2014, 7, 153-170.	0.3	6
54	Real-Time Scheduling of Reconfigurable Distributed Embedded Systems with Energy Harvesting Prediction. , 2016, , .		6

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55	Dynamic Reconfiguration of Intelligence for High Behaviour Adaptability of Autonomous Distributed Discrete-Event Systems. IEEE Access, 2019, 7, 35487-35498.	2.6	6
56	On Reconfiguration Theory of Discrete-Event Systems: From Initial Specification Until Final Deployment. IEEE Access, 2019, 7, 18219-18233.	2.6	6
57	Most permissive liveness-enforcing Petri net supervisors for discrete event systems via linear monitors. ISA Transactions, 2019, 92, 145-154.	3.1	6
58	An Extended Object Constraint Language for Adaptive Discrete Event Systems With Application to Reconfigurable Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3562-3576.	5.9	6
59	ZiZo: Modeling, Simulation and Verification of Reconfigurable Real-time Control Tasks Sharing Adaptive Resources - Application to the Medical Project BROS. , 2015, , .		6
60	MILP-based Approach for Optimal Implementation of Reconfigurable Real-time Systems. , 2016, , .		6
61	Predictive Intelligent Transportation: Alleviating Traffic Congestion in the Internet of Vehicles. Sensors, 2021, 21, 7330.	2.1	6
62	A deployment methodology of real-time industrial control applications in distributed controllers. Computers in Industry, 2008, 59, 450-462.	5.7	5
63	A formal approach for the development of reactive systems. Information and Software Technology, 2011, 53, 14-33.	3.0	5
64	Reconfigurable Priority Ceiling Protocol - Under Rate Monotonic Based Real-time Scheduling. , 2014, , .		5
65	New solutions for optimal power production, distribution and consumption in smart grids. International Journal of Modelling, Identification and Control, 2016, 26, 110.	0.2	5
66	QCOF: New RPL Extension for QoS and Congestion-Aware in Low Power and Lossy Network. , 2019, , .		5
67	Reconfiguration of Synchronous Real-Time Operating System. International Journal of System Dynamics Applications, 2013, 2, 114-132.	0.3	5
68	NCES-based modelling and CTL-based verification of reconfigurable Benchmark Production Systems. , 2008, , .		4
69	Automatic specification of feasible Control Tasks in Benchmark Production Systems. , 2008, , .		4
70	Model-checking for the functional safety of Control Component-based heterogeneous embedded systems. , 2009, , .		4
71	An approach to implement a Programmable Logic Controller from real-time software components. International Journal of Industrial and Systems Engineering, 2009, 4, 60.	0.1	4
72	Functional Safety of Component-based Embedded Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 281-286.	0.4	4

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73	A Component-Based Approach for the Development of Automated Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 1026-1031.	3.4	4
74	Formal approach for the development of intelligent industrial control components. International Journal of Computer Applications in Technology, 2011, 42, 84.	0.3	4
75	Corrections to â€œDesign of a Maximally Permissive Liveness-Enforcing Petri Net Supervisor for Flexible Manufacturing Systemsâ€•[Apr 11 374-393]. IEEE Transactions on Automation Science and Engineering, 2012, 9, 455-455.	3.4	4
76	UML-Based Design and Validation of Intelligent Agents-Based Reconfigurable Embedded Control Systems. International Journal of System Dynamics Applications, 2012, 1, 17-38.	0.3	4
77	Reconfigurable CAN in Real-time Embedded Platforms. , 2014, , .		4
78	Formal specification and verification of reconfigurable wireless sensor networks. , 2015, , .		4
79	New adaptive middleware for real-time embedded operating systems. , 2015, , .		4
80	Real-Time Reconfigurations of Embedded Control Systems. International Journal of System Dynamics Applications, 2016, 5, 71-93.	0.3	4
81	Verification of Reconfigurable NoC under Quality of Service Constraints. , 2016, , .		4
82	Reconfigurable function blocks: Extension to the standard IEC 61499. , 2016, , .		4
83	Reconfigurable Hierarchical Timed Automata: Modeling and Stochastic Verification. , 2019, , .		4
84	RCTL: New Temporal Logic for Improved Formal Verification of Reconfigurable Discrete-Event Systems. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1392-1405.	3.4	4
85	New Optimal Solutions for Real-Time Reconfigurable Periodic Asynchronous Operating System Tasks with Minimizations of Response Time. International Journal of System Dynamics Applications, 2012, 1, 88-131.	0.3	4
86	New Verification Approach for Reconfigurable Distributed Systems. , 2017, , .		4
87	Mapping of Periodic Tasks in Reconfigurable Heterogeneous Multi-core Platforms. , 2018, , .		4
88	Automatic Properties Classification Approach for Guiding the Verification of Complex Reconfigurable Systems. , 2018, , .		4
89	New Solutions for Feasible and Coherent Reconfigurations of Multi-Agent Embedded Software Architectures. CIM Journal, 2010, 1, 19-28.	0.3	4
90	Functional and Operational Solutions for Safety Reconfigurable Embedded Control Systems. Studies in Computational Intelligence, 2014, , 251-282.	0.7	4

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91	Reconfigurable Wireless Sensor Networks - New Adaptive Dynamic Solutions for Flexible Architectures. , 2014, , .		4
92	R-TNCES Rebuilding: A New Method of CTL Model Update for Reconfigurable Systems. , 2019, , .		4
93	Optimal model checking of safe control embedded software components. , 2010, , .		3
94	The embedded control system through real-time task. , 2013, , .		3
95	Distributed Reconfigurations of Autonomous IEC61499 Systems. Transactions on Embedded Computing Systems, 2013, 12, 1-23.	2.1	3
96	New Automatic Agent-Based Solutions for Feasible Reconfigurable MP-SoC Architectures. , 2014, , .		3
97	Adaptive Embedded Systems - New Composed Technical Solutions for Feasible Low-Power and Real-time Flexible OS Tasks. , 2014, , .		3
98	New Solutions for Modeling and Verification of B-based Reconfigurable Control Systems. , 2014, , .		3
99	New Solutions for Fault Detections and Dynamic Recoveries of Flexible Power Smart Grids. , 2014, , .		3
100	New Middleware for Secured Reconfigurable Real-Time Systems. Communications in Computer and Information Science, 2015, , 469-483.	0.4	3
101	Real-time reconfigurable scheduling of multiprocessor embedded systems using hybrid genetic based approach. , 2015, , .		3
102	Real-Time Scheduling of Reconfigurable Battery-Powered Multi-Core Platforms. , 2016, , .		3
103	Enabling reconfiguration of adaptive control systems using real-time context-aware framework. , 2016, , .		3
104	Real-time scheduling of sporadic tasks in energy harvesting distributed reconfigurable embedded systems. , 2016, , .		3
105	Reconfigurable Priority Ceiling Protocol: A Safe Way to Real-Time Reconfiguration. Lecture Notes in Electrical Engineering, 2016, , 23-42.	0.3	3
106	Multi-objective optimization and formal specification of reconfigurable manufacturing system using adaptive NSGA-II. , 2017, , .		3
107	Modeling, Simulation and Verification of Probabilistic Reconfigurable Discrete-Event Systems Under Energy and Memory Constraints. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 229-243.	1.5	3
108	Modeling and Verification of a Reliable Multi-Agent Solution Promoting the Autonomy and Self-Sufficiency of Microgrids in an Isolated Location. IEEE Access, 2019, 7, 55090-55107.	2.6	3

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109	Reconfiguration of Industrial Embedded Control Systems. , 2010, , 318-352.		3
110	New Methodology for Feasible Reconfigurable Real-Time Network-on-Chip NoC. , 2016, , .		3
111	An Automated Approach for Adaptive Control Systems. International Journal of Intelligent Mechatronics and Robotics, 2012, 2, 58-71.	0.4	3
112	New Co-design Methodology for Real-time Embedded Systems. , 2016, , .		3
113	Context-awareness Meta-model for Reconfigurable Control Systems. , 2017, , .		3
114	Cooperative Energy Management Software for Networked Microgrids. , 2019, , .		3
115	Depth-first Search Approach for Language-based Opacity Verification Using Petri Nets. IFAC-PapersOnLine, 2020, 53, 378-383.	0.5	3
116	Execution models for reconfigurable embedded realâ€time systems. Asian Journal of Control, 2009, 11, 249-260.	1.9	2
117	Model checking optimization of safe Control Embedded Components with refinement. , 2010, , .		2
118	Combining formal methods for the development of reactive systems. International Journal of Computer Applications in Technology, 2011, 42, 127.	0.3	2
119	New Optimal Preemptively Scheduling for Real-Time Reconfigurable Sporadic Tasks Based on Earliest Deadline First Algorithm. International Journal of Advanced Pervasive and Ubiquitous Computing, 2012, 4, 65-81.	0.4	2
120	Functional safety of adaptive embedded control systems: new solutions. International Journal of Critical Computer-Based Systems, 2014, 5, 300.	0.1	2
121	Petri Nets-based design of real-time reconfigurable networks on chips. , 2015, , .		2
122	New Solutions for Useful Execution Models of Communicating Adaptive RA2DL. Communications in Computer and Information Science, 2015, , 87-101.	0.4	2
123	R-UML: An UML Profile for Verification of Flexible Control Systems. Communications in Computer and Information Science, 2016, , 118-136.	0.4	2
124	State Space Characterization of Disjunctive Single-Unit Resource Allocation Systems. IEEE Access, 2018, 6, 51515-51527.	2.6	2
125	New Method to Reduce Verification Time of Reconfigurable Real-Time Systems Using R-TNCESs Formalism. Communications in Computer and Information Science, 2020, , 246-266.	0.4	2
126	Safety Reconfiguration of Embedded Control Systems. , 0, , 184-210.		2

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127	Modeling and Simulation of an Energy Efficient Skid Conveyor using ZIZO. , 2016, , .		2
128	Specification Approach using GR-TNCES: Application to an Automotive Transport System. , 2017, , .		2
129	On the Improvement of R-TNCESs Verification using Distributed Cloud-based Architecture. , 2020, , .		2
130	On Decomposing Formal Verification of CTL-based Properties on IaaS Cloud Environment. , 2020, , .		2
131	Functional Safety of Distributed Embedded Control Systems. Advances in Civil and Industrial Engineering Book Series, 2012, , 132-170.	0.2	2
132	New Multi-Token based Protocol for Flexible Networked Microcontrollers. , 2014, , .		2
133	A Novel R-UML-B Approach for Modeling and Code Generation of Reconfigurable Control Systems. , 2016, , .		2
134	A New Approach for Optimal Implementation of Multi-core Reconfigurable Real-time Systems. , 2018, , .		2
135	On Improved Verification of Reconfigurable Real-Time Systems. , 2019, , .		2
136	A Novel Approach for Repairing Reconfigurable Hierarchical Timed Automata. , 2020, , .		2
137	Meta-Model for Control Applications of Microgrids. , 2020, , .		2
138	New Energy Efficient and Fault Tolerant Methodology based on a Multi-agent Architecture in Reconfigurable Wireless Sensor Networks. , 2022, , .		2
139	UML MARTE-based design of reconfigurable distributed embedded control systems. , 2013, , .		1
140	Boundary Scan Extension for Testing Distributed Reconfigurable Hardware Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2699-2708.	3.5	1
141	Smart Grid Rebuilding based on Cloud Computing Architecture. , 2019, , .		1
142	A guidance framework for synthesis of multi-core reconfigurable real-time systems. Information Sciences, 2020, 539, 327-346.	4.0	1
143	A Software Framework for Context-aware Secure Intelligent Applications of Distributed Systems. , 2021, , .		1
144	On Parametrizing Feasible Reconfigurable Systems Under Real-Time, Energy, and Resource Sharing Constraints. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1492-1504.	3.4	1

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145	Formalization and Verification of Reconfigurable Discrete-event System using Model Driven Engineering and Isabelle/HOL. , 2020, , .		1
146	Feasible Dynamic Reconfigurations of Petri Nets. Advances in Civil and Industrial Engineering Book Series, 2013, , 247-267.	0.2	1
147	Transformation from R-UML to R-TNCES: New Formal Solution for Verification of Flexible Control Systems. , 2015, , .		1
148	ROCL: New Extensions to OCL for Useful Verification of Flexible Software Systems. , 2015, , .		1
149	RA2DL-Pool: New Useful Solution to Handle Security of Reconfigurable Embedded Systems. , 2016, , .		1
150	An Energy Aware Scheduling for Reconfigurable Heterogeneous Systems. , 2017, , .		1
151	New Methodology for Backward Analysis of Reconfigurable Event Control Systems using R-TNCESs. , 2019, , .		1
152	New Optimal Solutions for Real-Time Reconfigurable Periodic Asynchronous OS Tasks with Minimizations of Response Times. , 0, , 236-274.		1
153	Fairness concernâ€based coordinated vehicle route guidance using an asymmetrical congestion game. IET Intelligent Transport Systems, 2022, 16, 1236-1248.	1.7	1
154	Reconfigurable Wireless Sensor Networks Simulator (RWSNSim): A New Discrete-event Simulator. , 2022, , .		1
155	Erratum to â€œReconfiguration of Distributed Embedded-Control Systemsâ€•[Aug 11 684-694]. IEEE/ASME Transactions on Mechatronics, 2012, 17, 592-592.	3.7	0
156	Corrections to â€œDeadlock Prevention for a Class of Petri Nets With Uncontrollable and Unobservable Transitionsâ€•[SMCA May 12 727-738]. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1385-1386.	5.9	0
157	Towards a Safer and More Optimal Treatment of the Supracondylar Humerus Fracture. Communications in Computer and Information Science, 2015, , 403-423.	0.4	0
158	New solutions for optimization of the electrical distribution system availability in microgrids: Application to petroleum platform in Tunisia. , 2017, , .		0
159	CRMPSoC: New Solution for Feasible Reconfigurable MPSoC. Communications in Computer and Information Science, 2017, , 175-198.	0.4	0
160	A New Approach for Automatic Development of Reconfigurable Real-Time Systems. Communications in Computer and Information Science, 2017, , 22-44.	0.4	0
161	Adaptive Task Mapping and Scheduling for Reconfigurable Distributed Embedded Energy Harvesting Systems. , 2017, , .		0
162	Formal methodology for modeling, verifying and optimizing reconfigurable NoC modes. , 2017, , .		0

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163	Enhanced Test for Reconfigurable Hardware Systems Based on Sequential Logic. , 2018, , .		0
164	From Specification to Implementation of an Automotive Transport System. Communications in Computer and Information Science, 2018, , 49-68.	0.4	0
165	On Mapping of Reconfigurable Hierarchical Tasks to MP-SoC-Oriented Architectures Under Real-Time and Energy Constraints. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 207-220.	1.5	0
166	Efficient Verification of Reconfigurable Discrete-Event System Using Isabelle/HOL Theorem Prover andÂHadoop. Communications in Computer and Information Science, 2021, , 227-241.	0.4	0
167	On Improvement of Formal Verification of Reconfigurable Real-Time Systems Using TCTL and CTL-Based Properties on IaaS Cloud Environment. Communications in Computer and Information Science, 2021, , 114-133.	0.4	0
168	R-TNCES State Space Generation Using Ontology-Based Method on a Distributed Cloud-Based Architecture. Communications in Computer and Information Science, 2021, , 44-69.	0.4	0
169	Combinatorial Optimization Approach for Feasible Low-Power and Real-Time Flexible OS Tasks. Lecture Notes in Electrical Engineering, 2016, , 59-77.	0.3	0
170	Towards a Secure RA2DL Based Approach. Communications in Computer and Information Science, 2016, , 89-110.	0.4	0
171	I-Codesign: A Codesign Methodology for Reconfigurable Embedded Systems. Communications in Computer and Information Science, 2017, , 153-174.	0.4	0
172	REHLib: New Optimal Implementation of Reconfigurable Energy Harvesting Multiprocessor Systems. , 2017, , .		0
173	Automatic Properties Classification Approach for Guiding the Verification of Complex Reconfigurable Systems. , 2018, , .		0
174	On Improving Parallel Rebuilding of R-TNCESs. , 2019, , .		0
175	Portable Synthesis of Multi-core Real-Time Systems with Reconfiguration Constraints. Communications in Computer and Information Science, 2019, , 165-185.	0.4	0
176	Towards a Generic Framework for Formal Verification and Performance Analysis of Real-Time Scheduling Algorithms. Lecture Notes in Computer Science, 2020, , 116-130.	1.0	0
177	Two-Stage Game Theoretic Approach for Energy Management in Networked Microgrids. Communications in Computer and Information Science, 2020, , 205-228.	0.4	0
178	Efficient Diagnosis of Reconfigurable Systems with Incorrect Behavior andÂFaulty Components: A Case Study onÂSGrids. Communications in Computer and Information Science, 2020, , 108-129.	0.4	0
179	On Improving R-TNCES Rebuilding for Reconfigurable Real-Time Systems. Communications in Computer and Information Science, 2020, , 267-285.	0.4	0
180	A UML-Compliant Approach for Intelligent Reconfiguration of Embedded Control Systems. , 0, , 108-124.		0

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181	Development of Automated Systems using Proved B Patterns. , 0, , 125-139.		0