

# Martin Melik-Merkumians

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1178255/publications.pdf>

Version: 2024-02-01

23  
papers

167  
citations

1937685

4  
h-index

1872680

6  
g-index

25  
all docs

25  
docs citations

25  
times ranked

108  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Approach for Integrating IEC 61131-3 Engineering and Execution Into IEC 61499. IEEE Transactions on Industrial Informatics, 2021, 17, 5411-5418.	11.3	5
2	Heuristic Path Planning Approach for a Granular-fill Insulation Distributing Robot. IFAC-PapersOnLine, 2020, 53, 9956-9961.	0.9	1
3	Automated Tripod Leveling and Parameter Estimation for a Granular-fill Insulation Distributing Robot. IFAC-PapersOnLine, 2019, 52, 223-228.	0.9	3
4	Comparison of Code Measures of IEC 61131-3 and 61499 Standards for Typical Automation Applications. , 2018, , .		14
5	Patching process optimization in an agent-controlled timber mill. Journal of Intelligent Manufacturing, 2017, 28, 69-84.	7.3	2
6	A framework for automatic knowledge-based fault detection in industrial conveyor systems. , 2017, , .		6
7	Ontology-based framework for the generation of interlock code with redundancy elimination. , 2017, , .		4
8	A service-oriented domain specific language programming approach for batch processes. , 2016, , .		15
9	A framework for modular and distributable control of reconfigurable robotic systems. , 2016, , .		2
10	Automatic generation of diagnostic handling code for decentralized PLC-based control architectures. , 2016, , .		4
11	Probabilistic Absolute Position Sensor Based on Objective Laser Speckles. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1188-1196.	4.7	13
12	Vision-based probabilistic absolute position sensor. , 2015, , .		1
13	Visualization of an agent-based batch process system. , 2013, , .		0
14	Extraction of Automation System Engineering Knowledge for Mapping Plant and Simulation Interfaces. Studies in Computational Intelligence, 2013, , 247-261.	0.9	2
15	Semantic Runtime Interface Description Based on Engineering Knowledge. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 805-810.	0.4	4
16	Test-driven agent-oriented software development. , 2012, , .		1
17	Towards OPC UA as portable SOA middleware between control software and external added value applications. , 2012, , .		27
18	Towards an increased reusability of distributed control applications modeled in IEC 61499. , 2012, , .		11

#	ARTICLE	IF	CITATIONS
19	Efficient automation systems engineering process support based on semantic integration of engineering knowledge. , 2011, , .		12
20	Enforcing safety requirements for industrial automation systems at runtime position paper. , 2011, , .		2
21	Utilizing IEC 61499 in an MDA control application development approach. , 2011, , .		10
22	Ontology-based fault diagnosis for industrial control applications. , 2010, , .		14
23	Increasing portability and reuseability of distributed control programs by I/O access abstraction. , 2010, , .		5