

# Tomasz Klopot

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

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citations

1478505

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1372567

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docs citations

21  
times ranked

87  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible function block implementation of the balance-based adaptive controller as the potential alternative for PID-based industrial applications. Transactions of the Institute of Measurement and Control, 2014, 36, 1098-1113.	1.7	25
2	Virtual commissioning for the control of the continuous industrial processes &#x2014; Case study. , 2015, , .		25
3	Robust tuning of a first order reduced Active Disturbance Rejection Controller. Control Engineering Practice, 2018, 74, 44-57.	5.5	23
4	Tuning strategy for dynamic matrix control with reduced horizons. ISA Transactions, 2018, 76, 145-154.	5.7	19
5	Flexible function block for PLC-based implementation of the Balance-Based Adaptive Controller. , 2012, , .		14
6	Comparison of DMC and PFC control for heating process. , 2013, , .		13
7	Performance evaluation of redundant OPC UA architecture for process control. Transactions of the Institute of Measurement and Control, 2017, 39, 334-343.	1.7	13
8	Practical PLC-Based Implementation of Adaptive Dynamic Matrix Controller for Energy-Efficient Control of Heat Sources. IEEE Transactions on Industrial Electronics, 2021, 68, 4269-4278.	7.9	12
9	Function block practical implementation of Balance-Based Adaptive Control for pH process. , 2013, , .		9
10	Metamorphic Controller for Collaborative Design of an Optimal Structure of the Control System. Lecture Notes in Computer Science, 2014, , 230-237.	1.3	7
11	Adaptive dynamic matrix control with interpolated parameters. , 2015, , .		6
12	Practical verification of adaptive dynamic matrix control with interpolated parameters. , 2016, , .		6
13	Representative Vector Method for modeling of energy consumption for the assembly line. , 2013, , .		3
14	Practical Verification of the Advanced Control Algorithms Based on the Virtual Commissioning Methodology - A Case Study. , 2018, , .		2
15	Adaptive predictive controller for energy-efficient batch heating process. Applied Thermal Engineering, 2021, 192, 116954.	6.0	2
16	Linearizing Controller for Higher-degree Nonlinear Processes with Compensation for Modeling Inaccuracies - Practical Validation and Future Developments. , 2014, , .		2
17	Optical PMD 3D sensor evaluation for motion detection and tracking application. , 2016, , .		1
18	PID Controller tuning by Virtual Commissioning - a step to Industry 4.0. Journal of Physics: Conference Series, 2022, 2198, 012010.	0.4	1