

# Lukas Marko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1093240/publications.pdf>

Version: 2024-02-01

14  
papers

90  
citations

1478505

6  
h-index

1372567

10  
g-index

14  
all docs

14  
docs citations

14  
times ranked

55  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Model Predictive Control of a Variable-Speed Pumped-Storage Power Plant. IEEE Transactions on Control Systems Technology, 2021, 29, 645-660.	5.2	21
2	Active rejection control for unknown harmonic disturbances of the transverse deflection of steel strips with control input, system output, sensor output, and disturbance input at different positions. Mechatronics, 2018, 56, 73-86.	3.3	16
3	The spectral element method as an efficient tool for transient simulations of hydraulic systems. Applied Mathematical Modelling, 2018, 54, 627-647.	4.2	12
4	Frequency-adaptive cancellation of harmonic disturbances at non-measurable positions of steel strips. Mechatronics, 2020, 71, 102423.	3.3	7
5	Feedforward control of the transverse strip profile in hot-dip galvanizing lines. Journal of Process Control, 2020, 92, 35-49.	3.3	7
6	Early- and late-lumping observer designs for long hydraulic pipelines: Application to pumped-storage power plants. International Journal of Robust and Nonlinear Control, 2018, 28, 2759-2779.	3.7	6
7	Cancellation of unknown multi-harmonic disturbances in multivariable flexible mechanical structures. Automatica, 2022, 137, 110123.	5.0	6
8	Magnetic Actuator Design for Strip Stabilizers in Hot-Dip Galvanizing Lines: Examining Rules and Basic Tradeoffs. IEEE Industry Applications Magazine, 2020, 26, 54-63.	0.4	5
9	Magnetic actuator design for strip stabilizers in hot dip galvanizing lines. , 2018, , .		3
10	Nichtlineares Bewegungsmodell für ein Stahlband in einer Oberflächenbeschichtungsanlage. Automatisierungstechnik, 2017, 65, 546-560.	0.8	2
11	Non-Collocated Position Control of Steel Strip With Electromagnetic Rejection of Unknown Multi-Harmonic Disturbances. IFAC-PapersOnLine, 2019, 52, 430-435.	0.9	2
12	Discrete-Time Repetitive Control for Multi-Harmonic Reference Trajectories with Arbitrary Frequency. IFAC-PapersOnLine, 2020, 53, 1646-1651.	0.9	2
13	Iterative learning and feedback control for the curvature and contact force of a metal strip on a roll. Control Engineering Practice, 2022, 121, 105071.	5.5	1
14	Optimal feedforward control of hydraulic drive systems with long pipelines. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900195.	0.2	0