

Martin Kozek

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

255
citations

933447

10
h-index

996975

15
g-index

30
all docs

30
docs citations

30
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal capacity management applied to a low voltage distribution grid in a local peer-to-peer energy community. International Journal of Electrical Power and Energy Systems, 2022, 134, 107355.	5.5	14
2	Intensive care unit occupancy predictions in the COVID-19 pandemic based on age-structured modelling and differential flatness. Nonlinear Dynamics, 2022, 109, 57-75.	5.2	5
3	Emission limited model predictive control of a small-scale biomass furnace. Applied Energy, 2021, 285, 116414.	10.1	5
4	Stratified Control Applied to a Three-Phase Unbalanced Low Voltage Distribution Grid in a Local Peer-to-Peer Energy Community. Energies, 2021, 14, 3290.	3.1	3
5	Estimation of exogenous drivers to predict COVID-19 pandemic using a method from nonlinear control theory. Nonlinear Dynamics, 2021, 106, 1111-1125.	5.2	7
6	A physiological model of human mobility: A global study. Humanities and Social Sciences Communications, 2021, 8, .	2.9	1
7	Fuzzy model predictive control for small-scale biomass combustion furnaces. Applied Energy, 2020, 276, 115339.	10.1	21
8	Three-Phase Unbalanced Optimal Power Flow Using Holomorphic Embedding Load Flow Method. Sustainability, 2019, 11, 1774.	3.2	16
9	Macroscopic traffic model for large scale urban traffic network design. Simulation Modelling Practice and Theory, 2018, 80, 32-49.	3.8	40
10	Phase Balancing Home Energy Management System Using Model Predictive Control. Energies, 2018, 11, 3323.	3.1	10
11	Adaptive model predictive control for energy-efficient smart homes using a dynamic Kalman filter-bank. , 2018, , .		1
12	Hierarchical Predictive Load Control in Smart Grids. IEEE Transactions on Smart Grid, 2017, 8, 190-199.	9.0	22
13	Heat capacity and heat transfer coefficient estimation for a dynamic thermal model of rail vehicles. Mathematical and Computer Modelling of Dynamical Systems, 2017, 23, 439-452.	2.2	10
14	Hierarchical Model Predictive Control for Sustainable Building Automation. Sustainability, 2017, 9, 264.	3.2	16
15	Cooperative Fuzzy model predictive control for a multivariate process. , 2016, , .		2
16	Cooperative Fuzzy Model-Predictive Control. IEEE Transactions on Fuzzy Systems, 2016, 24, 471-482.	9.8	28
17	Load management in smart grids with utilization of load-shifting potential in building climate control. , 2015, , .		5
18	Multi-objective parameter identification of Euler-Bernoulli beams under axial load. Journal of Sound and Vibration, 2015, 341, 86-99.	3.9	7

#	ARTICLE	IF	CITATIONS
19	Stability analysis of data-driven local model networks. Mathematical and Computer Modelling of Dynamical Systems, 2014, 20, 224-247.	2.2	4
20	PID controller design for nonlinear systems represented by discrete-time local model networks. International Journal of Control, 2013, 86, 1453-1466.	1.9	15
21	Multidisciplinary laboratory experiment for active vibration control with piezoelectric patches. , 2013, , .		1
22	Hierarchical application of model-predictive control for efficient integration of active buildings into low voltage grids. , 2013, , .		5
23	A Flexible MATLAB-Based Simulation Framework for Dynamic Catenary-Pantograph Interaction and Co-simulation. , 2013, , .		0
24	Comparison of LQ-optimal actuator / sensor selection approaches for flexible structure systems. , 2012, , .		2
25	Modelling of lateral dynamics for an endless metal process belt. Mathematical and Computer Modelling of Dynamical Systems, 2012, 18, 571-586.	2.2	0
26	Grey-box modelling of a viscose-fibre drying process. Mathematical and Computer Modelling of Dynamical Systems, 2012, 18, 307-325.	2.2	7
27	Piecewise Quadratic stability analysis for local model networks. , 2011, , .		3
28	Integrated Input-output Selection Strategy for Robust Control of Complex Parameter Depending Systems. Journal of System Design and Dynamics, 2011, 5, 1106-1118.	0.3	1
29	Modeling of Lateral Dynamics for an Endless Steel Belt. , 2010, , .		2
30	3B13 Integrated input-output selection strategy for robust control of complex parameter varying systems. The Proceedings of the Symposium on the Motion and Vibration Control, 2010, 2010, _3B13-1_-_3B13-11_.	0.0	2