

Paul Manns

List of Publications by Year in descending order

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23
papers

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citations

1477746

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23
all docs

23
docs citations

23
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion Optimization and Parameter Identification for a Human and Lower Back Exoskeleton Model. IEEE Robotics and Automation Letters, 2017, 2, 1564-1570.	3.3	36
2	Approximation Properties and Tight Bounds for Constrained Mixed-Integer Optimal Control. SIAM Journal on Control and Optimization, 2020, 58, 1371-1402.	1.1	20
3	Improved regularity assumptions for partial outer convexification of mixed-integer PDE-constrained optimization problems. ESAIM - Control, Optimisation and Calculus of Variations, 2020, 26, 32.	0.7	17
4	Mixed-integer optimal control problems with switching costs: a shortest path approach. Mathematical Programming, 2021, 188, 621-652.	1.6	16
5	Instrumenting AUTOSAR for dependability assessment: A guidance framework. , 2012, , .		14
6	MultiDimensional Sum-Up Rounding for Elliptic Control Systems. SIAM Journal on Numerical Analysis, 2020, 58, 3427-3447.	1.1	14
7	Quadratically Regularized Optimal Transport. Applied Mathematics and Optimization, 2021, 83, 1919-1949.	0.8	13
8	A switching cost aware rounding method for relaxations of mixed-integer optimal control problems. , 2019, , .		9
9	Multi-dimensional Sum-Up Rounding using Hilbert curve iterates. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900065.	0.2	7
10	Compactness and convergence rates in the combinatorial integral approximation decomposition. Mathematical Programming, 2021, 188, 569-598.	1.6	5
11	Convergence of sum-up rounding schemes for cloaking problems governed by the Helmholtz equation. Computational Optimization and Applications, 2021, 79, 193-221.	0.9	5
12	Relaxed Multibang Regularization for the Combinatorial Integral Approximation. SIAM Journal on Control and Optimization, 2021, 59, 2645-2668.	1.1	5
13	Towards Highly Reliable Autonomy for Urban Search and Rescue Robots. Lecture Notes in Computer Science, 2015, , 118-129.	1.0	5
14	Efficient Derivative Evaluation for Rigid-Body Dynamics Based on Recursive Algorithms Subject to Kinematic and Loop Constraints. , 2019, 3, 619-624.		4
15	Approximation properties of sum-up rounding in the presence of vanishing constraints. Mathematics of Computation, 2021, 90, 1263-1296.	1.1	3
16	Optimizing Wearable Assistive Devices with Neuromuscular Models and Optimal Control. Biosystems and Biorobotics, 2017, , 627-632.	0.2	3
17	Towards Discrete Mechanics and Optimal Control for Complex Models * *Financial support by the European Commission within the H2020 project Spexor (GA 687662) is gratefully acknowledged. IFAC-PapersOnLine, 2017, 50, 4812-4818.	0.5	2
18	Switching Cost Aware Rounding for Relaxations of Mixed-Integer Optimal Control Problems: The 2-D Case. , 2022, 6, 548-553.		2

#	ARTICLE	IF	CITATIONS
19	Sequential Linearization Method for Bound-Constrained Mathematical Programs with Complementarity Constraints. <i>SIAM Journal on Optimization</i> , 2022, 32, 75-99.	1.2	2
20	Decomposition and Approximation for PDE-Constrained Mixed-Integer Optimal Control. <i>International Series of Numerical Mathematics</i> , 2022, , 283-305.	1.0	1
21	Asymptotics of Rounding Algorithms for Integer Control Problems in the Presence of Convexified Pointwise Mixed Constraints. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2021, 20, e202000005.	0.2	0
22	Model-Based Generation of Run-Time Monitors for AUTOSAR. <i>Lecture Notes in Computer Science</i> , 2013, , 70-85.	1.0	0
23	Evolving Smoothing Kernels for Global Optimization. <i>Lecture Notes in Computer Science</i> , 2016, , 56-72.	1.0	0