

Philipp

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

374
citations

1478505

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24
all docs

24
docs citations

24
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed and Decentralized Control of Residential Energy Systems Incorporating Battery Storage. IEEE Transactions on Smart Grid, 2015, 6, 1914-1923.	9.0	162
2	Hierarchical Distributed Model Predictive Control of Interconnected Microgrids. IEEE Transactions on Sustainable Energy, 2019, 10, 407-416.	8.8	65
3	A Distributed Optimization Algorithm for the Predictive Control of Smart Grids. IEEE Transactions on Automatic Control, 2016, 61, 3898-3911.	5.7	55
4	Feedback design using nonsmooth control Lyapunov functions: A numerical case study for the nonholonomic integrator. , 2017, , .		14
5	Towards price-based predictive control of a small-scale electricity network. International Journal of Control, 2020, 93, 40-61.	1.9	9
6	Towards dynamic contract extension in supplier development. Logistics Research, 2016, 9, 1.	1.6	8
7	Unsafe Point Avoidance in Linear State Feedback. , 2018, , .		8
8	Explicit Construction of Stabilizing Robust Avoidance Controllers for Linear Systems With Drift. IEEE Transactions on Automatic Control, 2021, 66, 595-610.	5.7	6
9	Distributed Optimization Based Control on the Example of Microgrids. Springer Optimization and Its Applications, 2019, , 173-200.	0.9	6
10	Predictive control of a Smart Grid: A distributed optimization algorithm with centralized performance properties. , 2015, , .		5
11	Reduced-order LQG control of a Timoshenko beam model. Bulletin of the Brazilian Mathematical Society, 2016, 47, 143-155.	0.8	4
12	Complete Instability of Differential Inclusions using Lyapunov Methods. , 2018, , .		4
13	Complete control Lyapunov functions: Stability under state constraints. IFAC-PapersOnLine, 2019, 52, 358-363.	0.9	4
14	Comment on "Stabilization with guaranteed safety using Control Lyapunov Barrier Function". Automatica, 2020, 122, 109225.	5.0	4
15	Predictive Control Algorithms: Stability despite Shortened Optimization Horizons. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 274-279.	0.4	3
16	On Contractual Periods in Supplier Development. IFAC-PapersOnLine, 2016, 49, 60-65.	0.9	3
17	(In-)Stability of Differential Inclusions. SpringerBriefs in Mathematics, 2021, , .	0.3	3
18	An Asymmetric Stabilizer Based on Scheduling Shifted Coordinates for Single-Input Linear Systems With Asymmetric Saturation. , 2022, 6, 746-751.		3

#	ARTICLE	IF	CITATIONS
19	Model Predictive Control of Residential Energy Systems Using Energy Storage and Controllable Loads. Mathematics in Industry, 2016, , 617-623.	0.3	3
20	Augmented obstacle avoidance controller design for mobile robots. IFAC-PapersOnLine, 2021, 54, 157-162.	0.9	2
21	Uniting control laws: On obstacle avoidance and global stabilization of underactuated linear systems. , 2019, , .		1
22	Numerical Calculation of Nonsmooth Control Lyapunov Functions via Piecewise Affine Approximation. IFAC-PapersOnLine, 2019, 52, 370-375.	0.9	1
23	Verteilte Optimierung: Anwendungen in der Modellprädiktiven Regelung. Automatisierungstechnik, 2018, 66, 939-949.	0.8	1
24	A modular architecture for mobile robots equipped with continuous-discrete observers. , 2021, , .		0